

2019-20



# 11<sup>th</sup>

## वार्षिक लेखा विवरण ANNUAL REPORT



केरल केंद्रीय विश्वविद्यालय  
CENTRAL UNIVERSITY OF KERALA



Inaugural address by Hon'ble Governor of Kerala,  
Shri. Arif Mohammad Khan in the 4th Convocation



Dr. Ramesh Pokhriyal 'Nishank', Hon'ble Minister of Education,  
Govt. of India inaugurates the new academic building,  
SARASWATHY



11th Foundation day speech by Dr. G. Madhavan Nair  
former Chairman, ISRO



Padmashri Adoor Gopalakrishnan at the inaugural ceremony  
of the Centre for Cinema and Screen Studies



Tourism Day Celebration



Gandhi Darshan Yatra organised by NSS Cell



The NSS team of Central University of Himachal Pradesh with Hon'ble Vice Chancellor,  
CUK Officers and Faculty Members during the visit under Ek Bharat Shreshtha Bharat programme



Hon'ble Vice Chancellor inaugurates the Theatre Workshop organised by the Dept. of Malayalam



Hon'ble Vice Chancellor and CUK Gandhi Darshan Yatra Team at Sadhujana Paripalana Sangam, Thiruvananthapuram



Hon'ble Vice Chancellor flags off the NSS Ek Bharat Srestha Bharat team for visiting CUHP



Newly inaugurated academic buildings, YAMUNA and SARASWATHY



CUKerala Sports Meet



**CENTRAL UNIVERSITY OF KERALA**

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**Prof. (Dr). G. Gopa Kumar**

Vice Chancellor, Patron

**Prof. (Dr.) Amruth G Kumar**

Professor & Head, Dept. of Education  
Chief Editor

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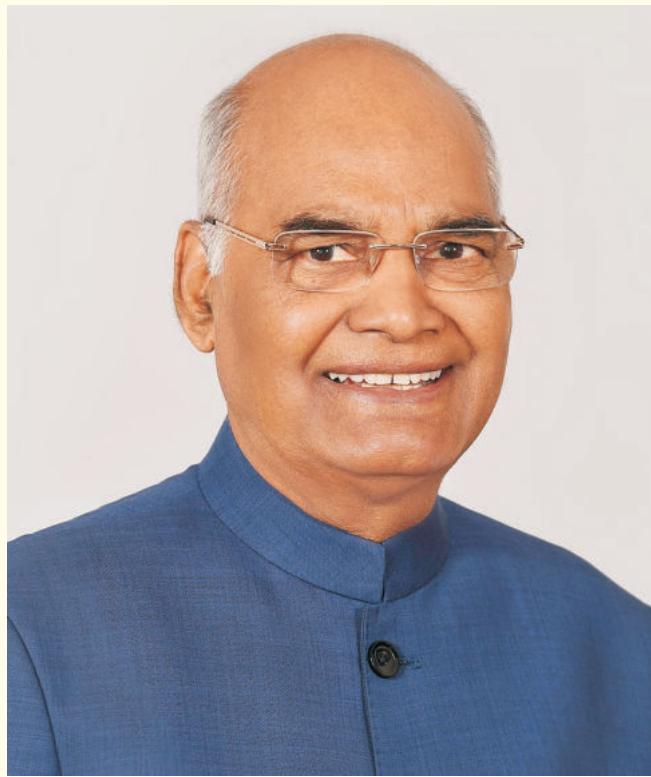
Assistant Professor, Dept. of Genomics

**Layout & Design**

Aneesh A.

## Officers of the University

Chancellor	: <b>Prof. (Dr.) S. V. Seshgiri Rao</b>
Vice-Chancellor	: <b>Prof. (Dr.) G. Gopa Kumar</b>
Deans of Schools	<b>: Prof. (Dr.) Dennis T Thomas</b> Upto 26-1-2019 & <b>Prof. (Dr.) Govinda Rao</b> School of Biological Science (SBS) <b>Prof. (Dr.) K. Jayaprasad</b> School of Cultural Studies (SCS) <b>Prof. (Dr.) Muthukumar Muthuchamy</b> Up to 2-2-2019 & <b>Prof. (Dr.) Prathapachandra Kurup</b> School of Earth Science Systems (SESS) <b>Dr. Abdul Kareem</b> School of Economics (SE) <b>Prof. (Dr.) K. P. Suresh</b> School of Education (SEd) <b>Prof. (Dr.) M. S. John</b> up to 7-2-2019 & <b>Prof. (Dr.) Jayaprasad</b> School of Global Studies (SGS) <b>Prof. (Dr.) Ajith Kumar N</b> School of Languages and Comparative Literature (SLCL) <b>Prof. (Dr.) K. C. Sunny</b> up to 27-2-2019 & <b>Dr. Mr. Biju</b> School of Legal Studies (SLS) <b>Dr. Rajendra Pilankatta</b> School of Medicine and Public Health (SMPH) <b>Prof. (Dr.) K. J. Thomas</b> up to 7-2-2019 & <b>Prof. (Dr.) P. Kurup</b> School of Physical Science <b>Dr. M. R. Biju</b> School of Social Science (SSS)
Registrar	: <b>Dr. A. Radhakrishnan Nair</b>
Finance Officer	: <b>Dr. B. R. Prasannakumar</b>
Controller of Examinations	: <b>Dr. Muralidharan Nambiar</b>



Visitor  
**SHRI. RAM NATH KOVIND**  
HIS EXCELLENCY THE PRESIDENT OF INDIA

A lawyer, veteran political representative and an ardent, long-time champion of equitability in society and integrity in Indian public life, Shri Ram Nath Kovind was born on October 1, 1945, in Village Paraunkh, District Kanpur Dehat, Uttar Pradesh. Before assuming office of the 14th President of India on July 25, 2017, Shri Kovind served as the 36th Governor of the state of Bihar from August 16, 2015 to June 20, 2017.

Shri Ram Nath Kovind completed his school education in Kanpur and pursued higher education in Kanpur University for receiving the degrees of B.Com and LL.B. He enrolled as an Advocate with the Bar Council of Delhi in 1971.

Shri Kovind was Counsel of Union Government in the Delhi High Court from 1977 to 1979. He became an Advocate-on-Record of the Supreme Court of India in 1978. Thereafter, from 1980 to 1993, he was the Union Government's Standing Counsel in Supreme Court. He practised at the Delhi High Court and Supreme Court for 16 years till 1993.

Shri Ram Nath Kovind was elected as and became a member of the Rajya Sabha (Upper House of Parliament) from Uttar Pradesh in April 1994. He served for two consecutive terms of six years each till March 2006. A keen Parliamentarian, Shri Kovind served on the Parliamentary Committee on Welfare of Scheduled Castes/Tribes, Parliamentary Committee on Home Affairs, Parliamentary Committee on Petroleum and Natural Gas, Parliamentary Committee on Social Justice and Empowerment, and Parliamentary Committee on Law and Justice. He was also Chairman of Rajya Sabha House Committee.

Shri Kovind also served as Member of the Board of Management of the Dr B.R Ambedkar University, Lucknow and as Member of the Board of Governors of the Indian Institute of Management, Kolkata. As a member of the Indian delegation, he addressed the United Nations General Assembly on 22nd October 2003.



Born in 1936 at Nellore, Andhra Pradesh, Sarvepalli Venkata Seshagiri Rao had his post graduation in mathematics in Osmania University. He did research in applied Mathematics in IIT, Delhi, under Prof.M.K.Jain. His Ph.D., thesis in Fluid Mechanics was evaluated in London State University.

For over three decades, he taught Mathematics and Geophysics, supervised research in these and allied fields in Osmania University. He was guest scientist in *Data Processing* at the Geological Prospecting Institute, Moscow in 1974 and in *Physics of Earth* at the International Centre for Theoretical Physics of UNESCO, Trieste, Italy, in 1977. He had a stint as Professor of Petroleum Engineering at Al Fathe University, Tripoli, Libya during 1981-82.

He had the distinction of authoring research papers with reputed Russian scientists, Prof A.G.Tarkhov, Dr.A.A.Nikitin and Dr.G.A.Soloviev. He had published research papers in Mathematics and Geophysics in about 30 reputed international journals such as *Geophysics* (USA), *J. of Geophysics* (Germany), *Geophysical Prospecting* (The Netherlands) and in 10 national journals. Prof.Rao co-authored the book titled "*Theory of Fields*" along with Dr.G.A.Soloviev and Prof. VLS Bhimasankaram published by the Osmania University. He had also co-authored with Dr.A.A.Nikitin a monograph "*Theory of Probability and its Applications in Geophysics*." He presented his work in geophysics in international conferences in USA and Europe. Seven scholars were awarded PhDs under his supervision in mathematics and geophysics.

Prof. Rao was Head, Centre of Exploration Geophysics, Osmania University during 1987-90. He was member, Board of Studies in Geophysics and Board of Studies in Mathematics of Osmania University during 1971-96. He was Chairman Board of Studies in Geophysics of Osmania University in 1987. He was a member of the Senate of Osmania University during 1970-73.

Prof. Rao was life member of Association of Exploration Geophysicists and Fellow of Indian Geophysical Union.

Prof. Rao was given the coveted "Sivananda Eminent Citizen Award" by the reputed *Sanatana Dharma Charitable Trust* (Visakhapatnam) in 2008 along with top space and defense Scientists.

Chancellor  
**Prof. (Dr.) S. V. SESHAGIRI RAO**



Vice-Chancellor  
**Prof. (Dr.) G. Gopa Kumar**

Dr. G. Gopa Kumar served as Professor at Kerala University for over fifteen years. He was formerly UGC-Emeritus Fellow, ICSSR Senior Fellow, Dean of Social Sciences and Professor and Head of the Department of Political Science, University of Kerala with more than forty three years of teaching experience in Political Science at the University level. He was also the Vice-Chairman, Academic Committee, Credit and Semester System, University of Kerala and Director, Nehru Study Centre, Director, V.K. Krishna Menon Study Centre for International Relations, Co-ordinator, UGC Special Assistance Programme, Department of Political Science, University of Kerala. He also served as the Director General of the Institute of Parliamentary Affairs, Government of Kerala. He received numerous international and national awards and fellowships like Visiting Research Fellow, University of New South Wales, Australia (2010), Prince of Songkla University, Thailand (2010), Australian Studies Senior Fellow (2009), Visiting Fellow, Shastri Indo-Canadian Fellowship (2000 & 2006), Visiting Faculty, Claremont Graduate University, USA (2003), Fulbright Award, USA (1998 & 2002), Salzburg Fellow, Austria (1998), Visiting Faculty, University of Calgary, Canada (2001), International Visiting Fellow in US (1996), UGC-Indo-French Cultural Exchange Award (1990) and UGC-Research Scientist (1988-1989). He declined the Fulbright Scholar In Residence Award from Morgan University, USA to accept the position of Vice Chancellor of the Central University of Kerala, which he joined on 7th August 2014. As an Education administrator he was awarded Shastri Mobility Fellowship (2017) and visited University of Calgary, Canada to study on "Canadian Contribution in Internationalizing Higher Education in the era of Globalization".

Prof. (Dr.) K. Jayaprasad, with an academic career of 28 years is the Dean, School of Global Studies; Dean, School of Cultural Studies and Director, Mahatma Ayyankali Centre for Kerala Studies, Central University of Kerala. A Professor at the Department of International Relations & Politics, he became the first Pro Vice Chancellor of Central University of Kerala in 2018, a position that he holds even today. Started his career as a UGC Research Associate in the Department of Politics, University of Kerala in 1991, he then joined the Sree Narayana College Thiruvananthapuram as Lecturer in Political Science, in 1994. While in service, he served as the Head of the Department of Politics, Sree Narayana College, Cherthala; became Reader in Political Science in 2003 and Associate Professor in 2006 at Sree Narayana College, Kollam, under University of Kerala. He joined the Central University of Kerala, in 2014, as a Faculty at the Department of International Relations & Politics. He also served as Finance Officer (2014-16) and was a Member of the Executive Council, Central University of Kerala.

With six books authored and edited, chapters in sixteen edited volumes, both in English and Malayalam and over 60 research articles, his contribution to the area of research is distinguishable. He is a popular figure in media, a columnist and an active participant of various debates and on-air discussions. His publications in various newspapers and journals would count up to a number of more than 400. He is the Editor of the Research Journal *Pragathi* and also the Associate Editor of *South Asian Journal of Socio Political Studies* (SAJOSPS). His publications include areas related to Education, International Politics, Human Rights, Nationalism, State Politics and Electoral Politics. Prof. Jayaprasad has been elected as the President of All India Political Science Association in 2018, after a tenure as Vice President, in 2017.

He is also the Vice President of Bharatheeya Vichara Kendra, Kerala since 2013, where he served as General Secretary, from 2004-2013. He was also involved with the Governing Body of State Resource Centre, Kerala and is Member, Board of Studies, of various universities, including JNU. As an expert member he is associated with national bodies like the UGC, ICSSR and the NAAC.



Pro-Vice Chancellor  
**Prof. (Dr.) K. Jayaprasad**

# Executive Summary

The Central University of Kerala was established in 2009 at Kasaragod under The Central Universities Act 2009 with the objectives of disseminating and advancing knowledge by providing instructional and research facilities in such branches of learning as it may deem fit, making special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes, and taking appropriate measures for promoting innovations in teaching learning process and interdisciplinary studies and research. The Act also put forward as its many objectives the education and training of manpower for the development of the country, establishing linkages with industries for the promotion of science and technology, and giving special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development. Keeping the objectives in mind, the Central University of Kerala is committed to provide instructional and research facilities in all suitable and relevant branches of learning. The academic courses and research programmes encourage interdisciplinarity. The curricula incorporate and highlight innovations in modern teaching-learning processes, avoiding rigidity and exclusion while extending the borders of learning and research resources. The University plans its activities keeping in mind the contributions it can make towards developing intellectual, academic and cultural resources and thereby improving the social and economic conditions of people.

The University started functioning in its permanent campus at Periyar from April 2018 onwards. The University has 310 acres of land allotted by Government of Kerala at Periyar. Apart from this, 10 acres of land was sanctioned at Thiruvalla (Pathanamthitta Dist.) where the School of Legal Studies functions.

The construction for the water supply scheme for the university has started at Moonnamkadavu with the financial assistance of Government of

Kerala. The Guest House construction of the University is progressing in faster pace. Both the schemes are expected to commission by December 2020.

2019-2020 has seen tremendous progress in the infrastructure development of the University. During the reporting period one girl's hostel and one boy's hostel under OBC hostel scheme of Ministry of Social Justice and Empowerment, Government of India was inaugurated. Apart from this one girl's hostel under Babu Jagjivan Ram Chakra Awas Yojana also inaugurated in this period. Construction of one SC Boys hostel, one hostel each for girls and boys under OBC hostel scheme and second girl's hostel under Babu Jagjivan Ram Chakra Awas Yojana started during this period. All these hostels have the capacity of 100 students each. Moreover Minority Affairs Ministry under Govt. of India has sanctioned one boy's hostel and one girl's hostel with the capacity of 200 seats each.

Construction of academic building for the School of Education under PMMMNMTT was completed and inaugurated by Dr. Ramesh Pokhriyal 'Nishank', Hon. Minister of Education, Govt. of India. The academic building of Department of Yoga Studies was completed and inaugurated by Sri. Sripad Yeso Naik, Minister of State for AYUSH (i/c), Government of India.

Central University of Kerala has got sanction for the construction of 9 projects under Higher Education Finance Agency (HEFA) for Rs. 129.00 crore during the report period. CPWD is the construction agency for these projects.

The university has witnessed several academic and administrative initiatives in the year 2019-20. Major academic initiatives include the programmes undertaken by the PMMMNMTT project of School of Education, at the university. In addition to this, other departments and study centers have conducted various academic activities including seminars, workshops, symposia, extension activities, inspire programmes, etc.

Faculty members of the university have made tremendous achievements in the fields of publication, attracting research funding, availing fellowships and international collaborations. In continuation of the progress attained by the teaching staffs, students have also brought in many laurels to the university. The examinations of students have been carried out according to the academic planning set by the university. The meetings of the Court, Executive Council, Finance Committee, Academic Council and Board of Studies of various departments are conducted in regular intervals so as to facilitate effective functioning of the university's academic and administrative systems.

The academic year 2019-20 was special to CUK with the commencing of the Department of Management, Department of Tourism Studies and Department of Commerce and International Business under the School of Business Studies and the Department of Kannada under School of Languages and Comparative Literature.

The university had the privilege to have the Hon. Governor of Kerala, Sri. Arif Muhamad Khan as the Chief Guest of the convocation ceremony. The Foundation Day lecture was delivered by Sri. G. MadhavanNair, Former Chairman, ISRO. In addition to these, Hon. Minister of Human Resource Development visited the university to lay the foundation stone for the Administrative building and also inaugurated and opened the building for School of Education.

The academic year 2019-2020 also becomes remarkable as the University had the opportunity to present and discuss the draft National Education Policy. The Department of Education has taken a lead role in this process with due participation of all the teaching, student and non-teaching fraternity of CU Kerala. Initially an invited lecture by Prof. Ramachandran, who served as a drafting committee member of NEP was conducted. Followed by this one-day discussion and debate was conducted by Department of Education involving research scholars and teachers from all the departments of CU Kerala. As a third step national conclave was conducted, by inviting experts to discuss NEP and its implications on Education. The suggestions

emerged from the discussions and conclave was consolidated and forwarded to MHRD for the kind consideration of the committee of NEP.

The year 2019-2020 witnessed the recruitment of 50 non-teaching staff in the university among Group-B and C category. The examination for recruitment was conducted by IBPS, Mumbai.

The university has implemented the reservation scheme for Economically Weaker Sections (EWS) in the recruitment of teaching and non-teaching category. The student admission also was made as per EWS scheme.

The increase of student intake in PG courses in the last five years is as follows:

Year	Male	Female	Total	% of increase
2016-17	115	303	418	8%
2017-18	175	418	593	7%
2018-19	214	482	696	8%
2019-20	290	631	921	7%

Achievement of the University as per the Tripartite MoU between Ministry, UGC and the University for 2019-2020.

1. The student intake in the University has noted sizeable increase over the years.
2. University has promoted equity and diversity in the intake of students. 63% of the students are women and 17% are from other states, whereas the presence of international students is only 8 in numbers.
3. Quality strengthening of the faculty in several parameters has achieved. The student-teacher ratio of the University at preset is 9.6:1. 11 faculties from other national and international universities visited university in its activities against the target of 5. Similarly 7 faculties from the university visited other national and international universities against the target of 5. 12 faculties enrolled in ARPIT programme against the target of 3. 38% of the teaching and 29% of the non-teaching positions are vacant; this is due to the absence of a regular Vice Chancellor in the University.
4. The academic outcome of the students during the reporting year is encouraging. 47 students are placed in various positions during the period against the target of 50. 190 students qualified in the NET/GATE/SLET/JRF examinations against the target fixed 200.

University has recorded 100% achievement in teaching days.

5. Research outcome is another recorded notable achievement in this period. 159 research papers in UGC listed journals were published by the faculties and students in the university against the target of 300, clocking 53% achievement. 61 externally funded projects against the target of 86 (71%) and participation of faculty in 4 IMPRESS/IMPRINT/SPARC/STARS, etc. were reported against the target of 2. the achievement pertaining to contribution to books and chapters in books is 71%.
6. Policy reports, foreign university invited lectures/seminars, extra-mural research grants, consultancy and patents remains as a grey area in the university.
7. Co and Extra-curricular activities of the students have achieved only 60% in the reported year. The major impediments in sports and games are the lack of infrastructure like play grounds, stadia and the availability of physical education instructors/coaches.
8. In governance the cash transfers and payments are 100% cashless transaction and through PFMS. The complete office automation project is in its completion stage.
9. As far as budget is concerned, there is 100% utilization of UGC grant in the report period. Internal resource mobilization is only from the students fees and the other sources are not

forthcoming as expected. As the University is relatively new, the Alumni support is not encouraging.

10. The NAAC accreditation was done during 2016 and the rank is B++. 2021 is the next cycle of NAAC accreditation. NIRF ranking overall and discipline, the rank of the university is in between 100-150. The OUTLOOK ranking of Central universities places the University in 14<sup>th</sup> rank.
11. Extension activities of the University are not very promising. The extension work of the students of Social Work is the major programme in this category. Other than that blood donation programmes, legal aid camps, adoption of villages under Unnat Bharat Abhiyan, etc are happening. National Service Scheme units are functioning in the campus but its outreach activities are yet to gather momentum. under Ek Bharat Shresht Bharat programme the University was paired with Central University of Himachal Pradesh. %0 students from the University visited Himachal and 50 students from CU Himachal Pradesh visited Kasargod. One programme each is organized in every month under EBSB.

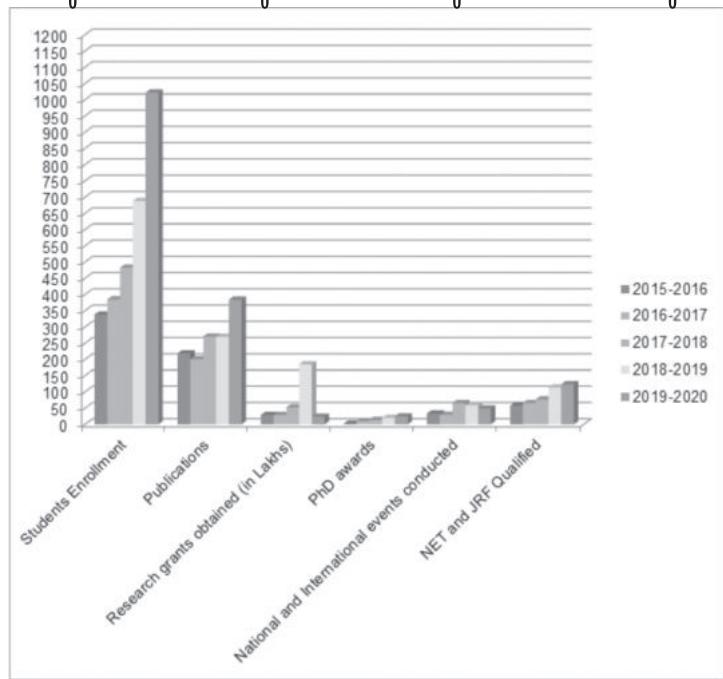
#### Performance in 2019-20 compared with previous years

A comparison of the performance of the University compared to previous years is carried out on selected criterions. The details are given under in graphical form.

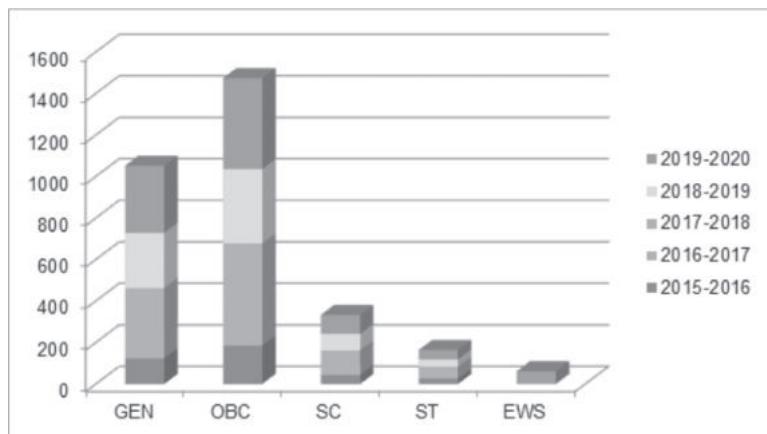
Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Students Enrollment	338	385	483	688	1022
Publications 21901	271	270	384		
Research grants obtained by faculty members in the financial year (in Lakhs)	29	29	52.5	185.35	24
PhD awards	3	10	14	20	25
National and International events conducted	34	30	66	59	49
NET and JRF Qualified	58	66	77	114	124

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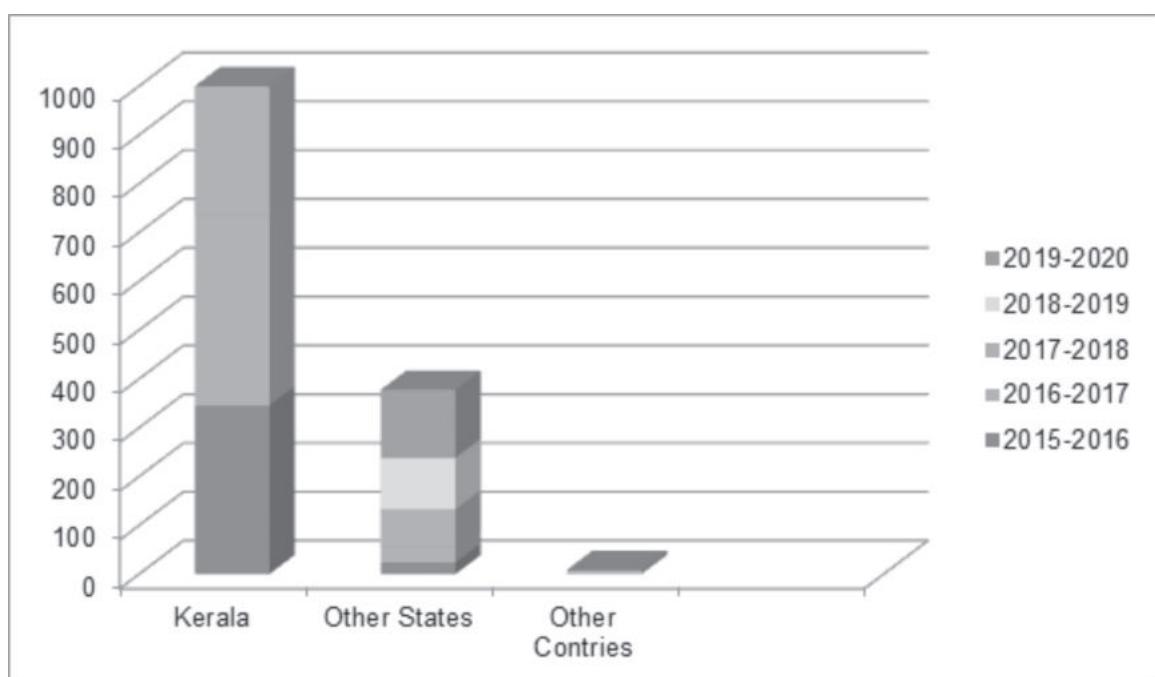
Sl.No	Category	Equity				
		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	124	142	197	266	323
2	OBC	185	219	273	358	439
3	SC	44	51	67	79	92
4	ST	26	24	33	36	45
5	EWS	0	0	0	0	61



Inclusion		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Sl.No	Caterogy					
1.	Female	249	282	360	412	556
2.	Male	86	94	139	217	284
3.	PWD	5	2	5	5	3
4.	Minorities	97	108	142	155	194
5.	Students from rural areas	143	148	220	239	355



Regional Diversity SI.NO Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1. Kerala	346	390	492	541	722
2. Other States	24	32	77	105	140
3. Other Countries	0	4	0	1	4



# The Vision

The Central University of Kerala is founded on the lofty vision of ‘caring wisdom’ that aims at sensitizing present and future generations to the need for the enrichment of the individual, to the sustainable development of society, and to environmental harmony. We are committed to the task of generating and disseminating knowledge in cutting edge areas of learning through innovative teaching/learning methodologies which ensure the maturation of individuals through physical, emotional, intellectual, and spiritual growth. This challenging academic mission is enthused by the

ideals of interdisciplinarity, meaningful local-global interaction, ecological balance, and equilibrium of physical and spiritual faculties.

Our holistic scheme of education privileges critical insight, transparent methodology and scientific temperament, even as it emphasizes the values of tolerance, peace and joy. The concept of education as envisioned by the Central

University of Kerala transcends the barriers of time and place facilitating a confluence of various cultures and traditions upholding the rights and dignity of the individual across all classes, knowledge systems and all ages. We wish to set a new benchmark for quality higher education which is charged with the missionary zeal to establish a world that respects the equality of genders, classes and creeds; promotes scientific thought, cherishes the dreams of inclusive development, and celebrates the balance of culture and nature.

# The Logo



The Logo of the CUK is designed by the renowned sculptor Kanayi Kunhiraman. The name of the University is given in Hindi and in English within 2 concentric circles. It suggests that the CUK is a local site to create, collect, and codify knowledge and to disseminate the light of knowledge globally. In the central image, the abbreviation of the name of the University (CUK) is placed in such a way as to evoke a crown of Theyyam, the indigenous art form of the Malabar region where the University is located. The image also evokes the shapes of a

nib and a computer mouse, which represent traditional and modern pursuits of knowledge respectively. The open book, the classic

representation of learning, acts as the base of the logo. In the lettering ‘CUK’, the character ‘U’ is made taller to signify that a university is an end in itself. The circle with nine rays represents the radiance of knowledge, which is further affirmed in the motto ‘Amritam tu vidya’ which means, ‘Knowledge is eternal’. It appears in many scriptures such as the Katha Upanishad 2:3:17. Here, it is taken from Shvetashvatara Upanishad (5:1): “Ksharam tu avidaya hi amritam tu vidya.” (Ignorance leads to decay, and knowledge to Immortality).

# Objectives

The Central Universities Act, 2009, enumerates the objectives of the University as follows:

1. To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
2. To make special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes;
3. To take appropriate measures for promoting innovations in teaching-learning process and interdisciplinary studies and research;
4. To educate and train manpower for

the development of the country;

5. To establish linkages with industries for the promotion of science and technology;
6. To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

Keeping the objectives as enumerated in the Act in mind, the Central University of Kerala is committed to provide instructional and research facilities in all suitable and relevant branches of learning. Special provisions shall be made for integrated courses in Humanities, Social Sciences, Science & Technology in our academic

programmes. Interdisciplinarity will be promoted in the academic courses and research. Innovations in modern teaching-learning process will be implemented, avoiding rigidity and exclusion in extending the borders of learning and research resources. We shall educate and train the manpower for the development of the country; establish linkages with industries for promoting science and technology. The activities of the University will be planned in order to contribute to the improvement of the social and economic conditions of the people by developing their intellectual, academic and cultural resources.

# CONTENTS

## **Statutory Bodies**

The Court	211
Executive Council	212
Academic Council	213
Finance Committee	216
Building Committee	217
Department of Genomic Science	218
Department of Plant Science	224
Department of Zoology	228
Department of Biochemistry and Molecular Biology	233
Department Management Studies	241
Department of Tourism Studies	244
Department of Commerce and International Business	247
Mahathma Ayyangali Centre for Kerala Studies	252
Department of Environmental Science	254
Department of Geology	259
Department of Economics	265
Department of Education	269
Department of International Relations and Politics	276
Department of International Relations, Capital Centre	279
Department of English & Comparative Literature	284
Department of Hindi & Comparative Literature	288
Department. of Kannada	293
Department of Linguistics	296
Department of Malayalam	300
Department of Law	305
Department of Public Health and Community Medicine	310
Department. of Yoga	313
Department. of Physics	319
Department. of Computer	324
Department of Mathematics	328
Department of Chemistry	333
Department of Social Work	337
Department of Public Administration & Policy Studies	342
University Library	346

Department of Students' Welfare	350
<b>Administrative &amp; Support Services</b>	352
Vice-Chancellor's Office	353
Registrar's Office	354
Administration	355
Academic Branch	357
Research Project Cell	358
Engineering	359
Purchase and Store	362
Estates	363
IT Wing	364
Examination	367
Finance	369
Health Centre	370
Hindi Cell	371
Recruitment and Leagal	373
Media Relations office	374
<b>Cells/Committee</b>	376
Academia-Industry Collaboration	377
Anti Discrimination Cell	378
Anti Ragging Committee	378
Digital Initiative In All Spheres	379
Cultural Committee	379
Centre for International Co-operation	380
Ek Bharath Shreshtha Bharath (EBSB) Youth Exchange	381
Grievance Redressal committee for Non-Teaching Staffs	382
Innovation Council	382
Internal Complaints Committee (ICC)	383
International Linkage Committee	383
IPR Cell	384
National Service Scheme	384
SC/ST Cell	385
Sports	386
Student Discipline Committee	387
Swachh Bharath Abhiyan	388
Unnat Bharat Abhiyan	390

# The Court

1	Chancellor	Chairperson
2	Vice Chancellor	Member
3	All Deans	Members
4	Finance Officer	Member
5	Controller of Examinations	Member
6	Librarian	Dr. P Senthilkumaran, Deputy Librarian
7	Senior most Warden	Ms. Jayalakshmi Rajeev, Assistant Professor, Department of Public Health and Community Medicine
8	One Professor/Associate Professor / Assistant Professor from each school, by rotation in the order of seniority	Prof (Dr.) K C Baiju
	Prof. (Dr.) Prathapa Chandra Kurup	
	Prof (Dr.) Ajith Kumar N	
	Dr. Sudha K Associate Professor	
	Dr. M R Biju Associate Professor	
	Dr. P C Prasanna Kumar Associate Prof.	
	Dr. Mary Vineetha Thomas Asst. Prof.	
	Dr. Jeyabalan Sangeetha Asst. Prof.	
	Dr. Gireesh Kumar J Asst. Prof.	
	Dr. Elezebeth Mathews Asst. Prof.	
09	Two Persons representing learned professional nominated by the Visitor	<p>i. Dr. Vinodkumar T G Nair, Senior Scientist, Ethnomedicine &amp; Ethnopharmacology Division, Jawaharlal Nehru Tropical Botanic Garden &amp; Research Institute, Palode, Thiruvananthapuram</p> <p>ii Dr. K N Madhusudanan Pillai, Academic Dean, Bharatheeya Vicharakendram Research Centre, GPO Lane, Thiruvananthapuram</p> <p>i SC/ST Member - Adv. P Sudheer, Kochuputhu Veedu, Udayagiri, Chempazhanthy PO, Trivandrum 695 587.</p> <p>ii OBC Member Shri. Balakrishnan P, Koonathara House, Padappangad PO, Kannur 670 581</p> <p>iii Women Member Prof. (Dr.) Jameela Beegam, Aashiana, TC9/830, JAKRA-14, Kavuvila Lane, V J Road, Vellayambalam, Sasthamangalam, Trivandrum 10</p> <p>iv Minority Member Adv. P J Thoivmas, Sahyadri, Kalarikkal Lane, Thannikkal, Elamakkara PO, Kochi 682 026.</p>
10	Four persons nominated by the Vice-Chancellor, representing SC/ST, OBC, Women, Minority	
11	Two teachers from the University nominated by the Vice-Chancellor	i Dr. Ranjith N Kumavath, Asst. Professor
12	One Non-Teaching staff from the University nominated by the Vice-Chancellor	<p>ii Dr. Josith, Assistant Professor</p> <p>Shri. Predeep. P. T., Section Officer - Member</p>
13	The President and the Secretary from Students Council	Members
14	The Registrar	Member Secretary

# Executive Council

Vice Chancellor	Chairperson
Secretary, Department of Higher Education, MHRD, GoI or his nominee	Member
Chairman, UGC or his /her nominee	Prof. M. K. Sridhar, Professor (Retired), Canara bank School of Management Studies, Bangalore University, Bangalore – Member (Nominee of Chairman, UGC)
Principal Secretary, Higher Education, Govt. of Kerala Pro Vice Chancellor	Member
One Dean from among the Deans of Schools to be nominated by the Vice Chancellor	Prof. (Dr.) M.R. Prathapachandra Kurup, Dean, School of Physical Science, Central University of Kerala- Member
One Professor, who is not a Dean, by rotation according to the seniority of the incumbent as Professor, to be nominated by the Vice Chancellor	Vacant
One Associate Professor, who is not a Dean, by rotation, according to seniority of the incumbent as Associate Professor, to be nominated by the Vice Chancellor	Vacant
Two members of the Court, none of whom shall be an employee or student of the University or an Institution recognized by the University or bodies associated with the University, to be nominated by the Visitor from a Panel recommended by the Vice Chancellor	<ol style="list-style-type: none"> <li>1. Dr. Vinodkumar T.G Nair, Senior Scientist, Ethnomedicine &amp; Ethnopharmacology Division, Jawaharlal Nehru Tropical Botanic Garden &amp; Research Institute, Palode, Thiruvananthapuram, Kerala- Member</li> <li>2. Dr. K.N. Madhusudanan Pillai, Academic Dean, Bharatheeya Vicharakendram Research Centre, GPO Lane, Thiruvananthapuram, Kerala-Member</li> <li>3. Dr. P.L.Dharma, Professor, Department of Political Science, Mangalore University- Member</li> <li>4. Prof. M. Parameswaran, Chairman and Member, Board of Studies in Library and Information Science, Calicut University and Kannur University - Member</li> <li>5. Dr. Bindu M Nambiar, Principal, Government Law College, Thrissur - Member</li> </ol>
Three distinguished academicians nominated by the Visitor	
An eminent academician belonging to SC/ST nominated by the Vice Chancellor from other reputed academic institution in the country, if none of the members in the EC under (a)-(i) above belongs to SC/ST Registrar, Central University of Kerala	Dr. C.A. Jayaprakas, Principal Scientist (Entomology) & Head, Division of Crop Protection, ICAR-CTCRI, Sreekariam, Trivandrum- Member Ex-Officio Secretary

# Academic Council

(a) Vice Chancellor	: Prof. (Dr.)G Gopa Kumar	
(b) Pro Vice- Chancellor	: Prof. (Dr.) K Jayaprasad	
(c) A serving Professor of eminence, co-opted by the Academic Council on the recommendation of the Vice-Chancellor	: Prof. (Dr.) K.S. Chandrasekar, Institute of Management in Kerala, University of Kerala	
(d) All Deans		
Name of School	Name of the Dean	
School of Biological Science (SBS)	: Prof.(Dr.) D Govinda Rao,	
School of Cultural Studies (SCS)	: Prof.(Dr.) K Jayaprasad	
School of Earth Science Systems (SESS)	: Prof.(Dr.) Prathapachandra Kurup	
School of Economics (SE)	: Prof.(Dr.) P Abdul Kareem 07/07/2019-09/07/2019 Prof. (Dr.) K C Baiju 10/07/2019- Continuing	
School of Education (SEd)	: Prof.(Dr.) K P Suresh 08/02/2016-06/07/2019 Prof.(Dr.) Mohammedunni Alias Musthafa 07/07/2019-Continuing	
School of Global Studies (SGS)	: Prof.( Dr.) K Jayaprasad 08/02/2019- Continuing	
School of Languages and Comparative Literature (SLCL)	: Prof.(Dr.) Ajith Kumar N 01/08/2017-31/07/2020	
School of Legal Studies (SLS)	: Dr.M R Biju, Associate Professor 28/02/2019- Continuing	
School of Medicine and Public Health (SMPH)	: Dr. Rajendra Pilankatta, Associate Professor 07/07/2016-Continuing	
School of Physical Sciences (SPS)	: Prof.(Dr.) Prathapachandra kurup 08/02/2019- Continuing	
School of Social Science (SSS)	Dr.M R Biju, Associate Professor 07/07/2016-28/06/2020	
School of Business Studies	: Prof.(Dr.) V Balachandran	
Dean of Student Welfare	: Dr. A Manickavelu	
(e) All Head of the Departments		
Department	Name of HoD	period
1 English and Comparative Literature	: Dr. Prasad Pannian	26/12/2018 to 08/04/2019
	: Dr. Joseph Koyipalli,	09/04/2019-24/09/2019
	: Dr. Vellikkeel Ragahavan	25/09/2019-31/10/2020
2. Hindi	: Dr. Sudha Balakrishnan	29/08/2016-10/03/2020
	: Dr. Taru S Pawar	11/03/2020-Continuing
3. Linguistics	: Dr. Palani Rajan	19/01/2017 to 18/01/2020
	: Dr. Thennarassu, Asst. Professor	05/03/2020- Continuing
4. Malayalam	: Prof. (Dr.) Ajith Kumar N	10/03/2017-09/03/2020
	: Dr. V Rajeev, Professor	10/03/2020-Continuing
5. Education	: Dr.Amruth G Kumar, Professor	24.07.2018- Continuing
6. Economics	: Dr.Abdul Kareem, Asso. Professor	28.05.2018-Continuing
7 Physics	: Dr.Swapna S Nair, Asso. Professor	08.02.2019-Continuing

8	Mathematics	: Dr. V Vilfred, Asso. Professor	29/08/2016-28/08/2019
		: Dr. Germina, Asso. Professor	29.08.2019-Continuing
9	Chemistry	: Prof. (Dr). Prathapachandra Kurup	05/04/2017-27/05/2020
10	International Relation and Politics	: Prof.(Dr.) K Jayaprasad	08.02.2019-Continuing
11	B A International Relations	: Dr.Prasannakumar P C, Asso. Professor	02/12/2018
12	Computer Science	: Dr.Rajesh.R, Associate Professor	08.02.2019-Continuing
13	Biochemistry and Molecular Biology	: Prof. (Dr.) Govinda Rao	03/10/2016-17/10/2019
		: Dr. Rajendra Pilankatta, Asso. Professor	18-10-2019-Continuing
14	Genomic Science	: Dr. A Manickavelu, Asso. Professor	01/11/2017-20/04/2020
		: Dr. Padmesh P Pillai, Asso. Professor	21.04.2020-Continuing
15	Geology	: Dr. Sandeep K, Assistant Professor	15/02/2018 to 08/12/2019
		: Dr. Pratheesh .P, Assistant Professor	09.12.2019- Continuing
16	Zoology	: Prof. (Dr.) Arunachalam	17/03/2017-29/12/2019
		: Prof.(Dr.) Sudha .K	30.12.2019-Continuing
17	Environmental Science	: Prof.(Dr.) Muthukumar Muthuchamy	03/02/2016-Continuing
18	Plant Science	: Prof. Dr.Arun Kumar K	08.01.2019-Continuing
19	Public Administration and Policy Studies	: Prof. (Dr.) M R Biju	29.03.2017-Continuing
20	Law i/c	: Dr. Gireesh Kumar J, Assi.	24/01/2019-30/06/2020
21	Social Work i/c	: Dr.Mohan A K , Asso.P rofessor	13/03/2017-12/03/2020
		: Dr. Jilly John, Assi. Professor	13/03/2020-09/09/2020
22	Public Health and Community Medicine i/c	: Dr.Elezebeth Mathews, Assi. Professor	03.03.2018-Continuing
23	Yoga	: Dr. Subramanya Pailoor	
24	Management Studies- MBA (G)	: Dr. Balachandran .V	
25	Tourism Studies- MBA (TTM), i/c	: Dr. Balachandran .V	
26	Commerce & International Business (M.Com)	: Dr. Mallikarjunappa	
27	Kannada	: Prof.(Dr.) Sivarama Shetty	

(f) Four Professors by Rotation, representing different schools Nominated by the Vice-Chancellor : VACANT

(g) Four Associate Professors, by Rotation, representing Different schools nominated by the Vice-Chancellor : Prof. (Dr.) V Rajeev, Dept. of Malayalam  
 Prof. (Dr.) Mohammedunni Alias Musthafa, Dept. of Education  
 Dr. Aswathi Nair, Asso. Professor, Dep. of BCMB  
 Dr. Arun Kumar, Asso. Professor, Dept. of Plant Science

(h) Four Assistant Professors, by Rotation, representing Different schools nominated by the Vice-Chancellor : Dr. T.J. Joseph philip, Asst. Professor, Dept. of Economics  
 : Dr. Ajay Kumar. Asst. Professor, Dept. of Plant Science  
 Dr. Efthikar Ahmed B, Asst. Professor, Dept. of English Comparative Litt.

	: Dr. K Sowjanay Sree, Asst. Professor, Dept. of EVS
(i) Dean of Students Welfare (DSW)	: Dr. A Manickavelu, Asso. Professor, Dept. of Genomic Science
(j) The University Librarian	: VACANT
(k) One Provost, by rotation, according to seniority	: VACANT
(l) Two members of the Court from amongst themselves who are not in the employment of the 30.05.2021) University or an organization /institution recognized / associated with University	: 1. Adv. P.J. Thomas, Kochi (Up to 30.05.2021) 2. Shri. Balakrishnan. P, Kannur (Up to
(m) Two Students (One male and one Female) nominated by the Vice-Chancellor on the basis of their merit in terms of attendance and performance in the University examinations	: VACANT
(n) One member belonging to SC/ST working in the University as teacher, to be nominated by the Vice-Chancellor	: Dr. Manikanda Rangaswamy, Assistant Professor, Dept. of Mathematics
Registrar	: Ex-Officio Secretary

# Finance Committee

Vice Chancellor

Pro Vice Chancellor

One person nominated by the Court

Three person nominated by the Executive Council, out of whom at least one shall be a member of the Executive Council

Three persons to be nominated by the Visitor

Finance Officer, Central University of Kerala

Chairperson (Ex-Officio)

Prof. (Dr.) K Jayaprasad

Shri. P Balakrishnan, Koonathara House,  
Padappangad PO, Kannur 670 581

1. Prof. (Dr.) P. L. Dharma, Professor  
Department of Political Science  
Mangalore University, Mangalore
2. Prof. (Dr.) M. Mohandas, Professor (Rtd.)  
Agriculture University, Thrissur
3. Mr. Sudhir Shenoy S, Chartered Accountant  
Laxmi, Mannagudda, Mangalore
1. Joint Secretary and Finance Advisor, MHRD, or his/her nominee from Finance Bureau (dealing with CUs), MHRD not below the level of Under Secretary.
2. Joint Secretary (CU), MHRD or his/her nominee not below the level of Under Secretary from Administrative Bureau.
3. Joint Secretary (CU), UGC or any other officer not below the level of Under Secretary nominated by the Chairman, UGC.

Ex-Officio Secretary

# Building Committee

Vice Chancellor, Central University of Kerala.

Prof. (Dr.) M. Mohandas, Retd. Professor, Kerala Agriculture University, Tower 1, Flat No. 3B, Alukas Bhawanam, Olarikkara, Thrissur-680 012.

Prof. (Dr.) M.S John, Dean & HoD, Dept. of IR, Central University of Kerala.

Prof. (Dr.) Kalarikad Jonah Thomas, Dean & HoD, Dept. of Physics, Central University of Kerala.

Finance Officer, Central University of Kerala.

Head of the Department, Dept. of Civil Engineering, Govt. College of Engineering, Mangattuparamba, Parassinikadavu (P.O), Kannur-670 563.

Chief Engineer (Civil)-CECI, Calicut Project Zone, CPWD, Kendriya Bhavan, MS Baburaj Road, Kallai, Kozhikode-673 003.

Shri. V. Viswanathan Nair, Saroj PLRA 174, Thittamangalam, Vattiyoorkavu (P.O), Thiruvananthapuram-695 013.

Executive Engineer (Elect.)-EEEL, Calicut Electrical Division, CPWD, Kendriya Bhavan, MS Baburaj Road, Kallai, Kozhikode-673 003.

Executive Engineer, Public Health Division, Kerala Water Authority, Kasaragod-671 313.

Executive Engineer, Central University of Kerala.

Head of the Department, Dept. of Architecture, Govt. College of Engineering, Thiruvananthapuram-16.

Deputy Chief Architect, Kerala PWD, Public Office, Museum (P.O), Thiruvananthapuram-695 033.

Dr. M. Aravindakshan, 15/794 TMC 3/943 Aravindam, 68 Green Park, Thiruvambadi (P.O), Thrissur-680 022.

Registrar, Central University of Kerala - Member Secretary

## School of Biological Sciences

Dean of the School: **Prof. (Dr.) Govinda Rao Duddukuri**

# Department of Genomic Science

Head of the Department: **Dr. A. Manickavelu**

Programmes Offered: **M.Sc. & Ph.D.**

The Department was established in 2010 with the vision of leading a center of excellence for Genomics education and research. There are six regular faculty members, one technical assistant and one Lab Assistant. As the Department emphasize on research based teaching, the basic and advance facilities for doing research on molecular genetics and genomics are available to all students and scholars. The syllabus was revised in 2019 in order to apprise students with recent advancement in genomics. As the faculty are from various research expertise with abroad experience, in addition to teaching regular course, research discussions are always there in the classroom. There are eleven externally funded projects currently implemented in the Department supported by Central Government agencies like DBT, DST, ICMR etc., with the total outlay of about Rs3.00 crores.



<b>Present Faculty Position</b>		Sanctioned	Filled up		Vacant		Total	
Posts								
Assistant Professor		4		4		0		4
Associate Professor		2		2		0		2
Professor		1		0		1		1
<b>Students Enrolment</b>								
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male
Ph.D	16	8	2	29	Nil	3	58	16
M.Sc.	9	3	2	11	Nil	Nil	25	8
								Female
								42
								17

### **Faculty Details**

Dr. A. Manickavelu, Head & Associate Professor

Specialization : Molecular Plant Genetics & Genomics

Dr. Padmesh P Pillai, Associate Professor

Specialization : Plant Biotechnology

Dr. Ranjith Kumavath, Assistant Professor

Specialization : Cancer Genomics, Drug Repurposing, Gut, Eco-Biome Metagenomics and Infectious Diseases

Dr. Tony Grace, Assistant Professor

Specialization : Genetics/Genomics/ Bioinformatics

Dr. M. Nagarajan, Assistant Professor

Specialization : Animal Genetics & Genomics

Dr. Smita Sudheer, Assistant Professor

Specialization : Pluripotent Stem Cells and Genomics

### List of Member of Board of Studies:

Chairman: Dr. Manickavelu, Head, Department of Genomic Science

### Internal Members:

Dr. Padmesh Pillai, Associate Professor, Dept. of Genomic Science

Dr. Tony Grace, Assistant Professor, Dept. of Genomic Science

Dr. VB Sameer Kumar, Assistant Professor, Dept. of BCMB

### Expert members:

Prof. P. Reddanna, School of Life Sciences, University of Hyderabad, Hyderabad-500046

Prof. PaturuKondaiah, Dept. of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore – 560012

Prof. Polani B. Seshagiri, Dept. of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore 560012

Dr. K. Thangaraj, Sr. Principle Scientist, Centre for Molecular Biology, Hyderabad – 500046

### Publications of the Faculty

Dr. Alagu Manckavelu

Minu M Nair, Krishna TS, Manickavelu A (2020). Bioinformatics insights into microRNA mediated gene regulation in *Triticumaestivum* during multiple fungal diseases. *Plant Gene* 100219. <https://doi.org/10.1016/j.plgene.2019.100219>

Minu M Nair, Jyothsna S, Manickavelu A(2019). The promise of gene editing tool CRISPR/Cas9 in everyday foods. Book chapter in *Mushrooms – Rise of research and retreats for humanity* published by Tamil Nadu Agricultural University.2019.

Dr. Padmesh P Pillai

Aswati Nair R, Keerthi D, Padmesh Pillai(2020).Evidence for Methylerythritol pathway (MEP) contributions to zerumbone biosynthesis as revealed by expression analysis of regulatory genes and metabolic inhibitors studies. *Plant Molecular Biology Reporter*.<https://doi.org/10.1007/s11105-020-01670-0>

020-01202-5

Dr. RanjithKumavath

Reddy, D., Kumavath, R\*, Tan, T. Z., Ampasala, D. R., & Kumar, A. P. (2020). Peruvoside targets apoptosis and autophagy through MAPK Wnt/â-catenin and PI3K/AKT/mTOR signaling pathways in human cancers. *Life Sciences*, 241, 117147. doi: 10.1016/j.lfs.2019.117147.

Reddy, D., Ghosh, P., & Kumavath, R\*. (2019). Strophanthidin Attenuates MAPK, PI3K/AKT/mTOR, and Wnt/â-Catenin Signaling Pathways in Human Cancers. *Frontiers in Oncology*, 9.1469 doi: 10.3389/fonc.2019.01469.

Reddy, D., Kumavath, R\*, Ghosh, P., & Barh, D. (2019). Lanatoside C induces G2/M cell cycle arrest and suppresses cancer cell growth by attenuating MAPK, Wnt, JAK-STAT, and PI3K/AKT/mTOR signaling pathways. *Biomolecules*, 9(12), 792. doi: 10.3390/biom9120792.

Imchen, M., Vennapu, R. K., Ghosh, P., & Kumavath, R\*. (2019). Insights into Antagonistic Interactions of Multidrug Resistant Bacteria in Mangrove Sediments from the South Indian State of Kerala. *Microorganisms*, 7(12), 678. doi: 10.3390/microorganisms7120678.

Imchen, M., Kumavath R\*, D. R., Vaz, A., Góes-Neto, A., Barh, D., Ghosh, P., ... & Azevedo, V. A. D. C. (2019). 16S rRNA gene amplicon based metagenomic signatures of rhizobiome community in rice field during various growth stages. *Frontiers in microbiology*, 10, 2103. doi: 10.3389/fmicb.2019.02103.

Dr. Tony Grace

DB Dhakan, A Maji, AK Sharma, R Saxena, J Pulikkan, Tony Grace, Andres Gomez, J Scaria, Katherine Ryan Amato, VK Sharma (2019), The unique composition of Indian gut microbiome, gene catalogue, and associated fecal metabolome deciphered using multi-omics approaches. *Gigascience*. 8(3) (2019). <https://doi.org/10.1093/gigascience/giz004>

U Shamjana, R Mahamood, T Grace 2020, Genetic Structure of *Tribolium Castaneum* Populations In And Around A Grain Storage Facility. *Journal of Advanced Scientific Research*. 11(1) 380-386 2020.

Kumar Arvind, MK Rajesh, A Josephrajkumar, Tony

Grace (2020). Dataset of de novo assembly and functional annotation of the transcriptome of certain developmental stages of coconut rhinoceros beetle, *Oryctes rhinoceros* L.28 , 105-136 2020.

Aishwarya Dash, Athira, K. S, Ipsita Pradhan, Ishani Panda, Misriya P.P.M, Mohammed Anshad A. R, R u k s h a n a M a h a m o o d , Tony Grace(2020). *Science of Ageing: Causes, Effects And Treatments*, Indian Journal of Gerontology, 34(2) 264-278 2020.

Preeti Sweta Hembrom, Jisna Jose, Tony Grace(2019). *Detection of Variation in Expression of Insecticide Resistance Gene Cyp4d2 involved in Detoxification of Insecticides in Drosophila melanogaster*. *Research Journal of Pharmacy and Technology*. 12(11) 5315-5319 (2019).

Dr. M. Nagarajan

Prabhu VR, Wasimuddin, Kamalakkannan R., Arjun, MS., & Nagarajan, M. (2020) Consequences of domestication on gut microbiome: A comparative study between wild gaur and domestic mithun. *Frontiers in Microbiology*, 11:133. doi: 10.3389/fmicb.2020.00133

Prabhu, VR., Singha, HS., Kumar, RG., Gopalakrishnan, A., & Nagarajan, M. (2020) (2020). Characterization of the complete mitochondrial genome of *Bariliusmalabaricus* and its phylogenetic implications. *Genomics*, 112, 2154-2163.

Dr. Smita Sudheer

Sweta S, Dudnakova T, Sudheer S, Baker AH, Bhushan R (2019). Importance of Long Non-coding RNAs in the Development and Disease of Skeletal Muscle and Cardiovascular Lineages. *Front Cell Dev Biol*. <https://doi.org/10.3389/fcell.2019.00228>

Devika AS, Wruck W, Adjaye J, Sudheer S (2019). The quest for pluripotency: a comparative analysis across mammalian species. *Reproduction* 158 R97–R111

Books

Dr. RanjithKumavath

Moopantakath J, Athira S, Kumavath R\*. *Extremophilic microbes: Blooms the Biological Synthesis of Nanoparticles"Microbiomes of*

Extreme Environments: Biodiversity and Biotechnological Applications (2020) ISBN 036734274X; 9780367342746 CRC Press, Taylor and Francis.

Rao TE, Kumavath R\*. Role of Quorum Sensing in Microbial Infections and Biofilm Formation. In Model Organisms for Microbial Pathogenesis, Biofilm Formation and Antimicrobial Drug Discovery (2020) (pp. 61-78). ISBN: 978-981-15-1694-8 Springer publishers.

Imchen M, Raveli Krishana, Kumavath R\*. Pan-metagenomics and its applications. Book on Pan-genomics: Applications, Challenges, and Future Prospects (2020) (1st Ed), chapter-1, pp. 335-341. Edited by Debmalya Barh and Vasco. ISBN: 9780128170762. Elsevier, Academic Press.

Imchen M, Raveli Krishana, Kumavath R\*. Pan-omics focused to Crick's Central dogma. Book on Pan-genomics: Applications, Challenges, and Future Prospects (2020) (1st Ed), chapter-1, pp. 1-29. Edited by Debmalya Barh and Vasco. ISBN: 9780128170762. Elsevier, Academic Press.

Dr. Tony Grace

JobyPulikkan, AgnisrotaMazumder, Tony Grace, Role of the gut microbiome in autism spectrum disorders. Reviews on Biomarker Studies in Psychiatric and Neurodegenerative Disorders. Springer Nature. 253-269(2019) Book chapter.

Ongoing Projects:

Dr. Padmesh P. Pillai

Dr. PadmeshP.Pillai is awarded with a project entitled "Bioproduction of lupeol in root culture system of an unexplored medicinal plant *Clinacanthusnutans* (Burm.f.) Lindau" with sanction order No. TAR/2019/000321 funded by DST-SERB (under TARE). Total amount sanctioned for the project is Rs18.30 lakhs.

Dr. Manickavelu

Dr. A. Manickavelu is awarded with a project titled "Molecular understanding of orphan rice landraces and their utilization" funded by DST-SERB with sanction order No. ECR/2016/001934. Total amount sanctioned for the project is Rs. 47,13,060.

Dr.Ranjith Kumavath

Dr.RanjithKumavath is awarded with a project entitled "Molecular Diversity and Bioprospecting of Carotenoid producing haloarchaea in search of novel anti-canceragents" funded by DST-SERB, Govt. of India, Sanction Order No. DST/SERB/EEQ/2018/001085, Total amount sanctioned for the project is Rs. 53 Lakhs

Dr.RanjithKumavath is awarded with a project entitled "Isolation and characterization of Haloarchaeal Carotenoids from Arabian Sea coast and its biological properties" funded by ICMR, GoI, Sanction Order No. ICMR /45/41/2019-BIO/BMS, Total amount sanctioned for the project is Rs. 13.86 Lakh

Dr. M. Nagarajan

Dr. M. Nagarajan is awarded with a project entitled "Transcriptome analysis and identification of genes associated with egg production in duck" funded by Department of Biotechnology agency with sanction Order No. BT/PR14584/AAQ/1/647/2015 Total amount sanctioned for the project is Rs. 71,39,631

Dr. M. Nagarajan is awarded with a project entitled "Identification of miRNAs associated with egg production in duck" funded by Science and Engineering Research Board agency with sanction Order No. EEQ/2016/000390, Total amount sanctioned for the project is Rs. 48,08,000

Dr. Tony Grace

Dr. Tony Grace is awarded with a project entitled "Enhancing BLB immunity in rice through multiplex gene editing" funded by Department of Biotechnology, GOI agency with sanction order No. CRG/2019/006573. Total amount sanctioned for the project is 60.44 lakhs.

Dr.Tony Grace is awarded with a project entitled "Investigating the role of Phytophthora palmivora candidate effectors in bud rot disease of coconut" funded by Science and Engineering Research Board with sanction order No. BT/CR26248/GET/119/247/2017. Total amount sanctioned for the project is 40.48 lakhs.

Dr.Tony Grace is awarded with a project entitled "Understanding the role of unique miRNA

mediated signaling circuits recruited differentially during endothelial mesenchymal transition associated with fibrosis and angiogenesis" funded by Science and Engineering Research Board with sanction order No. CRG/2019/004476. Total amount sanctioned for the project is 63.98 lakhs.

Dr. SmitaSudheer

Dr. SmitaSudheer is awarded with a project entitled "Signalling pathways on presomitic mesoderm development" funded by DST-SERB with sanction order No. No.ECR/2017/001216 dt.18.07.2018 Total amount sanctioned for the project is Rs. 44 Lakhs.

Dr. Smita Sudheer , is awarded with a project entitled "Influence of Vitamin D on development of early embryonic lineages" funded by DBT with sanction order No.BT/PR29717/PFN/20/1361/2018 dt.18.03.2019, Total amount sanctioned for the project is Rs. 40 Lakhs.

Projects completed in 2019-20

Dr.RanjithKumavath, Principal Investigator is awarded with a project entitled ": Studies on the efficacy of Rubrivivaxin and Rhodethrin as Novel Inhibitors for Aromatase in ER- $\alpha$  Positive Breast Cancer Cells" funded by DST-SERB, Govt. of India, Sanction Order No. DST-SERB/EMR/2016/003715, Total amount sanctioned for the project is Rs. 44.84 Lakhs

• Dr. M. Nagarajan is awarded with a project entitled "Genetic characterization and phylogeography of Indian bison" funded by Science and Engineering Research Board agency. With sanction Order No. EMR/2015/000937 Total amount sanctioned for the project is Rs.56,55,200

Programmes Conducted by the Department

The external member of Board of Studies has delivered the talk on their expertise on July 2-3, 2019.

International expert talk by Dr. AyumiKosaka, Kyoto University was organized on 8th November, 2019.

Science day celebration was done at the

department on Feb 27 & 28, 2020

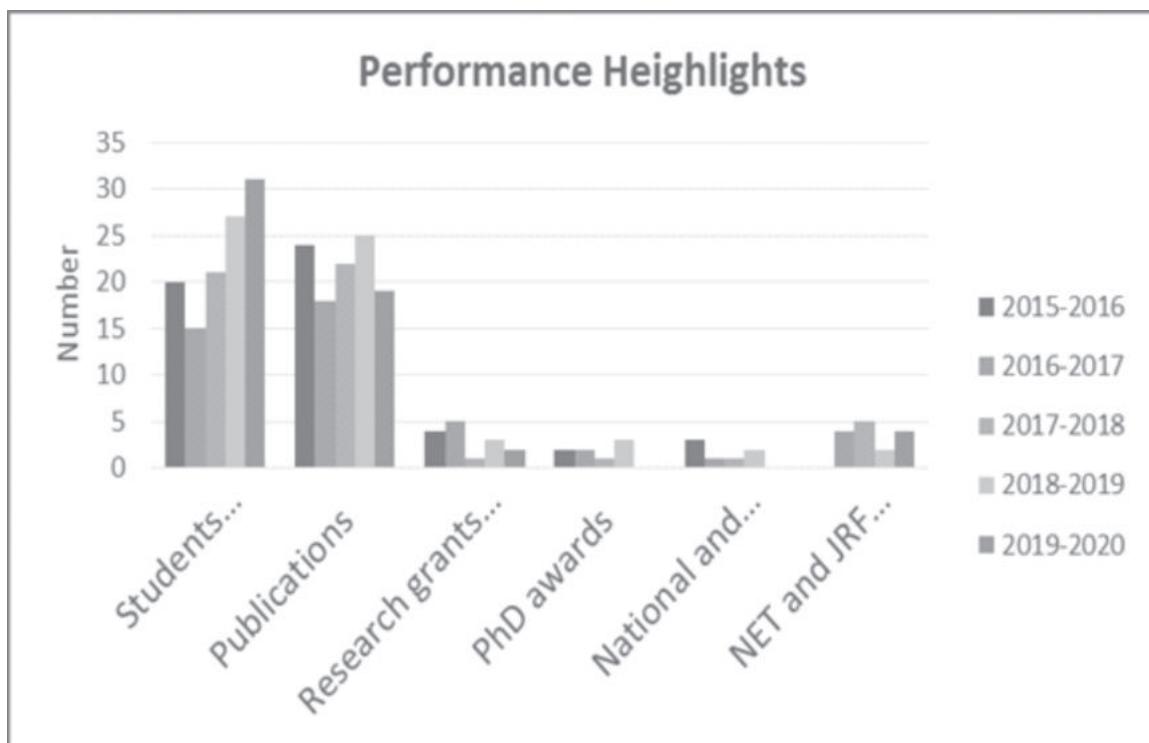
Other Achievement by the Faculty.

Students Achievements

- UG/PG Students:
  - JRF-1, NET-3, GATE-3
  - MidhulaGireesh, MSc student (Guide Dr. Tony Grace). 2014-16 batch PhD position in University of Georgia (2019)
  - Ph.D.scholars:
    - Amritha Asha Phd Student (Guide Dr Tony Grace). Post-Doctoral Research Associate at University of Texas Medical Center, Houston USA, 2019
    - ThashiBharadwajPhD Student (Guide Dr Tony Grace) : Post-Doctoral Research Associate at Columbia University New York, USA 2020
    - Arvind, K. PhD student selected for The 10th IBRO World Congress of Neuroscience IBRO 2019. 21.25 September 2019 with full funding in Daegu, Korea. (2019)
    - Shamjana, U. PhD Student selected for Fourth Bangalore school on population genetics and Evolution. 27 January to 07 February 2020, International Centre for Theoretical Sciences of the Tata Institute of Fundamental Research (ICTS-TIFR), Bangalore.
    - Shamjana, U PhD Student RNA- seq Data Analysis. SRM-DBT platform for Advance Life Science Technologies, Chennai, India. March 25 to 27, 2019.
  - Mr. MadangchanokImchen, PhD scholar awarded "Best Poster Award" in National Conference organized By Cotton University, Assam. On 29th June, 2019
  - Mr. Dhanasekhar Reddy, Ph.D. Scholar "Best Oral Presentation Award" in International Symposium organized By Department of Biotechnology, Mar Ivanios College, Thiruvananthapuram, on 2nd July 2019

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	20	15	21	27	31
2	Publications	24	18	22	25	19
3	Research grants obtained by faculty members in the financial year	4	5	1	3	2
4	PhD awards	2	2	1	3	0
5	National and International events conducted	3	1	1	2	0
6	NET and JRF Qualified	0	4	5	2	4



# Department of Plant Science

Head of the Department: **Dr. K. Arun Kumar**

Programmes Offered: **M.Sc. & Ph.D**

The Department of Plant Science was established as one of the four Department in the school of Biological Sciences in 2013 with 16 students and five guest faculty. The department currently comprises of 6 permanent faculty, one post-Doctoral fellow, 29 Ph.D. scholars, 3 support staff and 67 masters students. The teaching activities in the department cover a wide ranging curriculum designed to provide in depth knowledge to graduate students pursuing M.Sc. and Ph.D. degrees. We also conduct regular training programs and workshop for scientists and students outside the University. Faculty is also actively engaged in promoting science education in schools by organizing regular interaction program with the high school students. Research program is in our department covers wide range of aspects in Plant Science from fruit development, plant micro propagation, algal biochemistry and bio prospecting, genome stability in plants under stress, bio energy and plant-microbe interaction biology.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total
Posts					
Assistant Professor	4	4		Nil	4
Associate Professor	2	1		1	1
Professor	1	1		Nil	1
<b>Students Enrolment</b>					
Programme	General	SC	ST	OBC	PWD
PG	17	10	05	31	-
PhD	09	03	01	16	-
				Total	Male Female
				63	13 50
				29	05 24

**Faculty Details**

Prof. (Dr). T Dennis Thomas, Professor  
Dr. K Arun Kumar, Associate Professor  
Specialization : Diversity, Biology and Biochemistry of algae  
Dr. Jasmine M. Shah, Assistant Professor  
Specialization : Plant Genetic Engineering, Plant-Agrobacterium Interaction, Plant Molecular Biology, Plant Functional Genomics, Epigenetics  
Dr. Ginny Antony, Assistant Professor  
Specialization : Molecular Plant Pathology, Molecular tools for crop improvement  
Dr. Ajay Kumar, Assistant Professor  
Specialization : Plant Developmental Biology  
Dr. Chithra Manisseri, Assistant Professor  
Specialization : Biofuel, Plant cell wall polymers structure-function relationships

#### **List of Member of Board of Studies:**

##### Chairperson

Dr. K. Arunkumar, Professor, Department of Plant Science, Central University of Kerala

##### External Members

Prof. T. Parimelazhagan, Department of Botany, Bharathiar University, Coimbatore

Prof. G. R. Janardhana, Prof. & Head, Department of Botany, University of Mysore, Mysore

Prof. V. Sivaram, Prof. & Head, Department of Botany, Bangalore University

Prof. K. Chandrasekhar, Coordinator, M.V. Shastri Chair, Dept. of Botany, Mangalore University.

##### Intrnal Members

- Prof. Dr. T. Dennis Thomas, Department of Plant Science, Central University of Kerala.
- Dr. Ginny Antony, Department of Plant Science, Central University of Kerala.

#### **Publications of the Faculty**

Prof. T Dennis Thomas

Cyriac A, Thomast, Dennis Thomas T. 2019. Tylophorine: Sources, Properties, Applications and Biotechnological Production. In Swamy M.K (Ed) Plant-derived Bioactives. Publisher: Springer Nature Switzerland AG

Prof. K. Arun Kumar

Sudhakar, M.P., K. Arunkumar and K. Perumal. 2020. Pretreatment and process optimization of spent seaweed biomass (SSB) for bioethanol production using yeast (*Saccharomyces cerevisiae*). Renewable Energy(Elsevier),153:456-471(IM. F 5.439).

Antony Roseline, T., M. Murugan, M.P. Sudhakar and K. Arunkumar. 2019. Nanopesticidal potential of silver nanocomposites synthesized from the aqueous extracts of red seaweeds, Environmental Technology and Innovation (Elsevier),13:82-93(IM. F 2.88)

Sudhakar, M.P., B. Ramesh Kumar, Thangavel, M., K. Arunkumar. 2019. A review on bioenergy and bioactive compounds from microalgae and macroalgae-sustainable energy perspective, *Journal of Cleaner Production*, 228,1320-1333, (Elsevier), (IM.F 6.73).

Arumugam, P., K. Murugan, M. Murugan, L. Sivakumar, K. Arunkumar. 2019. Anticancer effect of fucoidan on cell proliferation, cell cycle progression, genetic damage and apoptotic cell death in HepG2 cancer cells, *Toxicology Report*(Elsevier),IM. F. 1.16); 6: 556-563

Suganya, K., Govindan K., Arunkumar, K. and Murugan, M. 2019. Effect of biosurfactant derived from *Vibrio natriegens* MK3 against *Vibrio harveyi* biofilm and virulence, *J Basic Microbiol.*(Wiley) (59(9); 1-14(IM.F. 1.76).

Dr.Jasmine M.Shah

· Aparna C., Nair P.S., and Shah, J. M. 2019 Plant Growth Promoting Rhizobacteria (PGPRs) Alter Plant Host Somatic Mutation Frequencies 'International Journal of Plant and Environment' 5:149-154.

Dr.Ginny Antony

Sabana, A.A., Rajesh, M.K. & Antony, G. Dynamic changes in the expression pattern of miRNAs and associated target genes during coconut somatic embryogenesis. *Planta* 251, 79 (2020). <https://doi.org/10.1007/s00425-020-03368-4>

Dr.Ajay Kumar

Kumar A, et al. (Accepted 2020). Biosynthesis, Genetic Regulation and Therapeutic Potential of Capsaicinoids. In: M. K. Swamy (ed.), *Plant-derived Bioactives*, A, Springer Nature Singapore Pvt. Ltd., Singapore.

Kumar A, Kumar S, Dennis TD, Ramchiary N, Swamy MK, Ahmad I (2019). Linking Omics Approaches to Medicinal Plants and Human Health. In: *Natural Bioactive compounds: Biotechnology, Bioengineering and Molecular Approaches*, Springer Nature Singapore Pvt. Ltd., Singapore.

Dubey M, Jaiswal V, Rawoof A, Kumar A, Nitin M, Chhapekar SS, Kumar N, Ahmad I, Islam K,

Brahma V, Ramchiary N (2019). Identification of genes involved in fruit development/ripening in *Capsicum* and development of functional markers. *Genomics*. doi: 10.1016/j.ygeno.2019.01.002.

#### Ongoing Projects:

Prof.(Dr.)Arun Kumar k.is awarded with a project entitled "Isolation of anti-angiogenic compounds from seaweeds for anticancer drug development" funded by Science and Engineering Research Board under EEQ Scheme,Total amount Sanctioned for the project is *Rs. 39.94 lakhs*.

Dr. Jasmine M. Shah is awarded with a project entitled "Cloning and characterization of gametophyte-specific promoters from plants" funded by KSCSTE under YIPB Scheme,Total amount Sanctioned for the project is *Rs. 21.78 lakhs*.

Dr. Ginny Antony is awarded with a project entitled "Enhancing BLB immunity in rice through multiplex gene editing" funded by Department of Biotechnology, GOI under Genome engineering Scheme,Total amount Sanctioned for the project is *Rs. 60.44 lakhs*.

Dr. Ginny Antony is awarded with a project entitled "Investigating the role of Phytophthora palmivora candidate effectors in bud rot disease of coconut" funded by Science and Engineering Research Board under Core Research grant,Total amount Sanctioned for the project is *Rs. 40.48 lakhs*.

Dr. ChithraManisseri is awarded with a project entitled "Understanding the impact of cell wall phenolics and xylan-lignin cross-links on 1-Ethyl-3-methylimidazolium acetate pretreatment: A study based on selected crop residues" funded by Science and Engineering Research Board under EEQ scheme, Total amount Sanctioned for the project is *Rs. 40.5 lakhs*.

Dr. Ajay Kumar is awarded with a project entitled "To study the developmental and transcriptomic responses to salinity gradients for understanding biochemical and genetic basis of salt tolerance in mangroves" funded by Science and Engineering Research Board

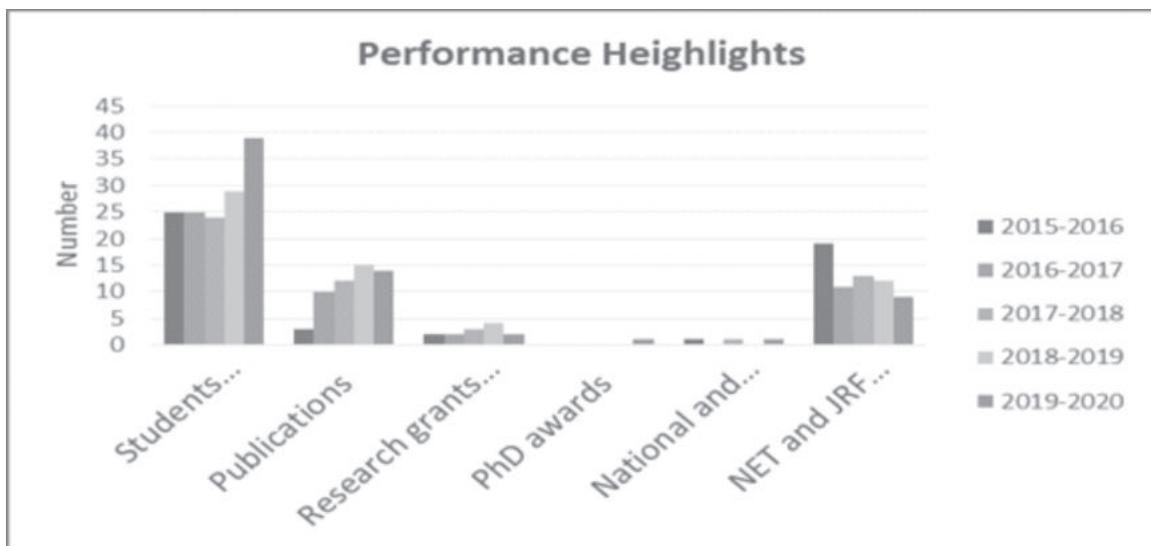
under EEQ scheme, Total amount Sanctioned for the project is Rs. 40 lakhs.

Programmes Conducted by the Department  
 Organized Invited lecture series, Dept. of Plant Science (Feb- Mar, 2020)  
 Organized National Science day, Dept. of Plant Science (Feb. 28, 2020)  
 Organized in National conference on Bioprospecting of Algae: Resources, Conservation and Utilization, 1-2 August 2019 held at Dept. of PlantScience, CUK.

#### Students Achievements

#### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	25	25	24	29	39
2	Publications	3	10	12	15	14
3	Research grants obtained by faculty members in the financial year	2	2	3	4	2
4	PhD awards	0	0	0	0	1
5	National and International events conducted	1	0	1	0	1
6	NET and JRF Qualified	19	11	13	12	9



# Department of Zoology

Head of the Department: **Prof. (Dr.) Sudha Kappalli**

Programmes Offered: **M.Sc. and Ph.D.**

The Department of Zoology was started in 2010 one year after the University was founded through an Act of Parliament. The Department, was functioning as Department of Animal Science from its Riverside Transit Campus in Padannakad, Kasaragod District for about nine years, and subsequently moved to the permanent University campus at Tejaswini Hills, Periya in July 2018. In 2019, the Department was rechristened as Department of Zoology and the Master's program as MSc Zoology. The Department comes under the School of Biological Sciences and is housed in the Godavari building on the north-western side of the campus.

This department has the expertise in invertebrate and vertebrate taxonomy, Phylogenetics, experimental studies using invertebrate models, application oriented research leading to policy making and for application to man-kind.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total			
Posts								
Assistant Professor			4	0	4			
Associate Professor								
Professor			2		2			
<b>Students Enrolment</b>								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Sc.	22	12	5	30		69	15	54
Ph.D.	6	4	-	13	-	23	7	16

### **Faculty Details**

Dr. Sudha K, Associate Professor

Specialization : Physiology and Endocrinology of Crustaceans; Distribution, Phylogeny of parasitic Crustaceans; Optimization of irradiation dose for Shellfish meat preservation Shell fish Immunology

Dr. M. Arunachalam, Professor

Specialization : Fish taxonomy and phylogenetics, River and wetland Ecology, habitat studies of freshwater fishes

Dr. Divya, Assistant Professor

Specialization : Developmental Biology, Caecilian Biology & molluscan taxonomy

Dr. Sinu P. A, Assistant Professor

Specialization : Ecology, biodiversity and conservation biology studies, Entomology, Systematics

Dr. H. P. Gurushankara, Assistant Professor

Specialization : Genetics & Molecular Biology, Toxicology, Cell and Microbiology, Immunology

Dr. Ramachandran Kotharambath, Assistant Professor

Specialization : Caecilian Systematic Biology, Anthrozoology

### **List of Members of Board of Studies:**

Chair Person

Dr. Sudha.K Professor and Head, Dept. of Zoology, Central University of Kerala

Dr. M. Arunachalam: Professor, Dept. of Zoology, Central University of Kerala

Dr. P. A. Sinu: Professor, Dept. of Zoology, Central University of Kerala.

### External Members

Dr. H. N. Yajurvedi: Professor, Dept. of Zoology, University of Mysore

Dr. M. C. Subhash Peter: Professor, Dept. of Zoology, University of Kerala

Prof. N. Munuswamy: UGC-DSR Emeritus Scientist, Dept. of Zoology, University of Madras

Dr. K. P. Joy: INSA Emeritus Scientist, Dept. of Biotechnology, Cochin University of Science and Technology

### Publications of the Faculty

Dr. Sudha K

Kottarathil, H. A., & Kappalli, S. (2019). Characterization of a protandrous hermaphroditic reproductive system in transitional and female phases of *Norileca indica*—morphological, histological and ultrastructural approach. *Crustaceana*, 92(6), 641–664. 31 May 2019

Rijin Kattambally, Mumthaz TMV, Sudha Kappalli, Gopinathan Anilkumar (2019) Clupeid fish hosts a *Peniculus* sp. (Pennellidae, Siphonostomatoida, Copepoda)—First report on new host and season dependent prevalence. *Acta Oceanol. Sin.* 38, 118–125

### Internal Members

Dr. M. Nagarajan: Assistant Professor, Dept. of Genomic Science, Central University of Kerala

(2019). <https://doi.org/10.1007/s13131-019-1517-0> - 23 December 2019

Kottarathil, H. A., Sahadevan, A. V., Kattamballi, R., & Kappalli, S. (2019). *Norileca indica* (Crustacea: Isopoda, Cymothoidae) Infects *Rastrelliger kanagurta* Along the Malabar Coast of India—Seasonal Variation in the Prevalence and Aspects of Host-parasite Interactions. *Zoological Studies*, 58(2019) - 25 November 2019

Nikhila, R. M. V., Drisya, O. K., Rijin, K., Mumthaz, T. M. V., Helna, A. K., Ivanenko, V. N., & Sudha, K. (2019). Copepod crustaceans parasitizing marine fish of the Kerala coast, India. *Arthropoda Selecta*. 28(4), 529-544.

Panakkool-Thamban, A., Kappalli, S. Occurrence of Life Cycle Dependent Monophasic and Biphasic Molting in a Parasitic Isopod, *Mothocya renardi*. *Thalassas* 36, 115–124 (2020). <https://doi.org/10.1007/s41208-019-00188-6> - 13 January 2020

Dr.P.A.Sinu

Prashanth Ballulaya U., Reshma, K.S., Rajesh, T.P., Manoj, K., Lowman, M., Sinu, P.A. (2019) Stakeholder motivation for the conservation of sacred groves in south India: An analysis of environmental perceptions of rural and urban neighbourhood communities. *Land Use Policy* 89:104213.

Varma, S. & Sinu, P.A. (2019) Nectar robbing in bellflower (*Sesamum radiatum*) benefited pollinators but unaffected maternal function of plant reproduction. *Scientific reports* 9: 1-9

Sinu, P.A., Varma, S., Reshma, K.S., Aswathi, K., Megha, P.P., Jasna, T.V. (2019) Effect of flower sex ratio on fruit set in pumpkin (*Cucurbita maxima*). *Scientia horticulturae* 246, 1005-1008

Sinu, P.A., Pooja, A.R., & Aneha K. (2019) Overhead sprinkler irrigation affects pollinators and pollination in pumpkin (*Cucurbita maxima*). *Scientia Horticulturae* 258: 108803

Landry Yuan F., Prashanth Ballulaya, U., Roshnath, R., Bonebrake, T.C. & Sinu, P.A. (2020) Sacred groves and serpent gods moderate human–snake relations. *People and Nature* 2:111–122.

Dr.H.P Gurushankara

Anjitha, R., Anet Antony, Shilpa, O., Anupama K.P., Shanthala, M., & Gurushankara H.P. (2020) Malathion induced cancer-linked gene expression in human lymphocytes. *Environmental Research*, 182:109131.

Shilpa, O., Anupama K.P., Anet Antony, Shanthala, M., & Gurushankara H.P. (2020) Oxidative stress-mediated genotoxicity of malathion in human lymphocytes. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 849:503138.

Dr. Ramachandran Kotharambath

Carolina Reyes-Puig, Bittencourt-Silva G.B., Torres-Sánchez M., Wilkinson M., Streicher J.W., Maddock S.T., Kotharambath R., Müller H., Angiolani Larrea F.N., Almeida-Reinoso D., Ro S.R., Cisneros-Heredia D.F. (2019). Rediscovery of the Endangered Carchi Andean Toad, *Rhaebo colomai* (Hoogmoed, 1985), in Ecuador, with comments on its conservation status and extinction risk. *Check List* 15 (3): 415–419.

Books:

Dr. Ramachandran Kotharambath

Kotharambath, R. (2019). *Randumalsyangal: Jaivasrunkalakal Shidhilamakunna Anthropocoene*. In Katalur, S. (Ed.), In *Athmabhodhathinte Uriyattam* (pp. 198– 217). Kairali Books, Kannur. ISBN 93-88087896.

Books: Franks, A. (2005). *Margaret Sanger's eugenic legacy: The control of female fertility*. Jefferson, NC: McFarland & Company.

Journal (single author): Seale, C. (2007). Learning to do qualitative data analysis: An observational study of doctoral work. *Qualitative Health Research*, 17(10), 1442-1452.

Journal (multiple authors): Barnard, R., de Luca, R., & Li, J. (2015). First-year undergraduate students' perceptions of lecturer and peer feedback: A New Zealand action research project. *Studies In Higher Education*, 40(5), 933–944

Ongoing Projects:

Dr. Sudha K

Dr. Sudha K is awarded with a project entitled "Studies on Biphasic moult and hermaphroditic reproduction in *Norileca indica*, a parasitic cymothoid (Isopoda: Crustacea) infesting the marine fishes of malabar coast" funded by DST- SERB. Total

amount sanctioned for the project is Rs. 40.89 Lakh. (ongoing)

Dr. Sudha K is awarded with a project entitled "Studies on occurrence, sexuality, growth and reproduction of cymothoids parasitizing commercially important marine fishes of Malabar coast" funded by KSCSTE, Govt of Kerala. Total amount sanctioned for the project is Rs. 24.57 Lakh. (ongoing)

Dr. Sudha K is awarded with an Indo-Russian joint research project entitled "Integrative study of parasitic crustacean copepods from coral communities of the Northwest Indian Ocean" funded by DST-RFBR. Total amount sanctioned for the project is Rs. 24.69 Lakh. (ongoing)

Dr. Sudha K as Scientist Mentor is awarded with project entitled " Molecular interaction of Cryptocaryon irritans with mucosal, humoral and cellular components of selected marine cultured/aquarium teleost fishes of Kerala" funded by DST-WOS-A. Total amount sanctioned for the project is Rs. 31.89 Lakh. (ongoing)

Dr. P.A. Sinu is awarded with a project entitled "Flower constancy predicts pollination efficiency of bees." funded by SERB-New Delhi. Total amount sanctioned for the project is Rs. 39 Lakh. (ongoing)

Dr. P.A. Sinu

Dr. P.A. Sinu is awarded with a project entitled "Bee genetic resources of Himalayas" funded by National Mission on Himalayan Studies, MoEFC&C. Total amount sanctioned for the project is Rs. 49 Lakh. (ongoing)

Dr. P.A. Sinu is awarded with a project entitled "Leafcutter bee taxonomy, phylogeny and conservation" funded by MoEFC&C. Total

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	22	20	27	31	42
2	Publications	26	9	30	21	14
3	Research grants obtained by faculty members in the financial year	6	6	6	7	7
4	PhD awards	0	0	0	0	3
5	National and International events conducted	1	1	0	0	2
6	NET and JRF Qualified	6	4	6	5	5

amount sanctioned for the project is Rs. 47.23 Lakh. (Sanctioned)

Programmes Conducted by the Department  
DST INSPIRE Internship Science Camp, coordinated by Dr. Sudha Kappalli from 21-26 December, 2019

International symposium on Basic and Advanced Translation Immunology coordinated by Dr. H.P. Gurushankara from 5 th to 7 th March, 2020.

#### **Other Achievement by the Faculty**

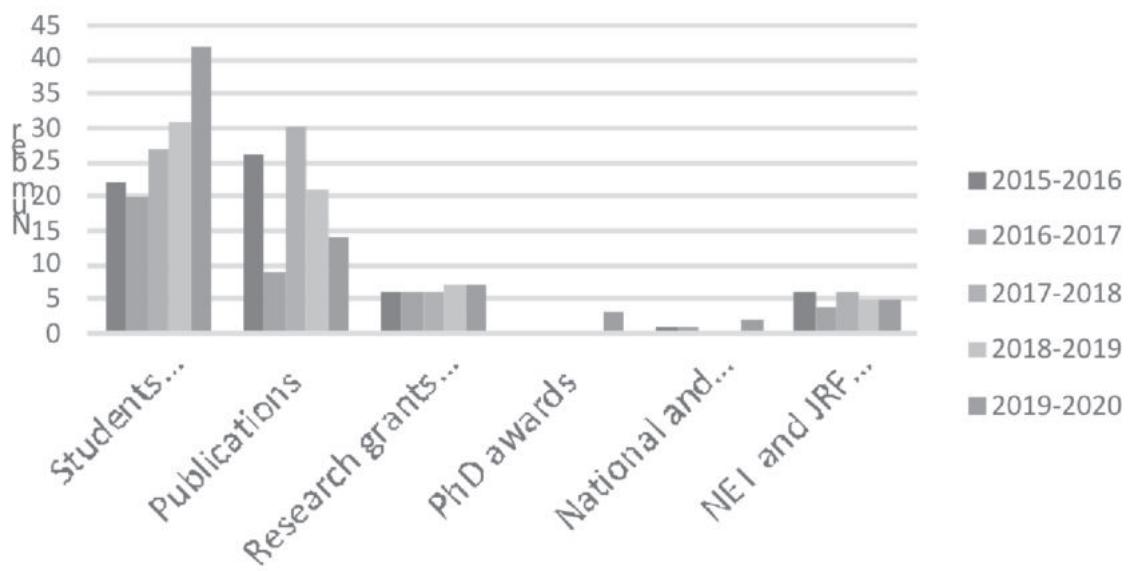
Dr. Sudha K has visited Lomonosov Moscow State University, Russia under Indo-Russian (DST-RFBR) collaborative project during the period from 25 August 2019-7th September 2019. During her visit she has attended and presented a paper entitled "Lernanthropid copepod diversity along Kerala coast, India in 4th International Workshop on Symbiotic Copepoda organized by White Sea Biological Station, Lomonosov Moscow State University, White sea, Russia

#### **Students Achievements**

M. V. Nikhila Reshma, Ph.D scholar and Swaraj P. Project Assistant from the research lab of Dr. Sudha K. have presented their research reports in 4 th International Workshop on Symbiotic Copepoda organized by White Sea Biological Station, Lomonosov Moscow State University, White Sea, Russia during the period from 28 August to 4 th September 2019.

Anjana Unni, M. Sc. Zoology, 2016-18 Batch, has been selected for doing Ph.D. in Neuroscience from Max Plank Institute, Germany Six students qualified CSIR NET and 11 Gate during the academic year.

## Performance Highlights



# Department of Biochemistry & Molecular Biology

Head of the Department: **Dr. Rajendra Pilankatta**

Programmes Offered: **M. Sc. and Ph. D.**

Department of Biochemistry and Molecular Biology (DBMB) was established in 2010 to promote education and research in the area of Biochemistry and Molecular Biology. It is developing into a state of the art facility for Biochemistry & Molecular Biology. It has introduced an interdisciplinary programme through a flexible curriculum, and admits 36 students for MSc (Biochemistry), and 18 PhD scholars are pursuing doctoral degree. The department has got 5 faculty members who steer the current teaching and research activities. The research activities mainly focus on the basic questions in the diverse but complementary areas of biology such as angiogenesis, cell signaling and molecular virology. The department got national recognition by approving the facility for conducting COVID19 RTPCR test by ICMR and served the society in an unprecedented manner during the COVID19 pandemic. The Department is constantly evolving as an advanced research hub in the areas of basic as well as applied Biochemistry and Molecular Biology. Currently, the Department houses laboratories equipped with instruments and equipment such as HPLC, FPPLC, Ultracentrifuge, CO<sub>2</sub> incubators, Real Time PCR, Gradient PCR machines, Gel doc, -80°C freezers, fluorescent and light microscopes, Spectrofluorimeter, multi mode plate reader and Biosafety Class II Cabinets etc. The merge of infrastructure and intellect would evolve the Department as a full-fledged hub to train young minds and conduct cutting edge research in the modern areas of biochemistry and molecular biology.



Present Faculty Position		Sanctioned	Filled up	Vacant	Total				
Posts									
Assistant Professor	4	2	2	2	2				
Associate Professor	2	2	0	2	2				
Professor	1	1	0	1	1				
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
MSc. I	16	6	1	10	0	3	36	11	25
MSc.II	6	1	2	16	0	0	25	5	20
Ph.D	4	2	1	12	0	0	19	13	6

### **Faculty Details**

Prof. (Dr.) Govinda Rao Duddukuri, Professor & Head of the Department

Specialisation : Targeting immune-modulation, Inflammation and cancer by natural and synthetic bioactive compounds with a focus on inhibition of COX-2 and 5-LOX enzymes and protease inhibitors.

Dr.Rajendra Pilankatta, Associate Professor

Specialisation : RNA virus life cycle and replicative mechanisms. Virus and host cellular machinery interaction, and development and evaluation of viral diagnostics and therapeutics. The use of antiviral compounds Indian in medicinal plants to study virus replication. P-type ATPases

Dr. R. Aswathi Nair, Associate Professor

Specialisation : Plant resistance mechanisms, Oomycete pathogenesis, Chemical defense and Metabolic profiling, Endophyte mediated resistance, Biosynthetic potential of endophytes

Dr. Santosh R. Kannade (On Lein), Ph.D, Assistant Professor

Specialisation : Protein Biochemistry, Cell Signalling, Epigenetics

V.B Sameerkumar, Assistant Professor

Specialisation : Tumor biology, Endothelial cell biology, angiogenesis, functional analysis of non-coding RNA and protein engineering

Tejaswini Venkatesh, Assistant Professor

Specialisation : Cancer Genetics and Epigenetics, Cancer Biomarkers, Small ncRNAs in Cancer Biology, Cancer associated cytoplasmic granules

### **List of Member of Board of Studies:**

Internal members

Prof. D. Govinda Rao Dept. of BCMB, CUK  
(Chairperson)

Dr. Rajendra Pilankatta Dept. of BCMB, CUK

Dr. Aswathi Nair, Dept. of BCMB, CUK

Dr. Tejaswini Venkatesh

Dr. K. Arun Kumar Dept. of Plant Science, CUK

External members

Prof. Annie Abraham, University of Kerala, Thiruvananthapuram

Prof. M S Latha, Dean of Science, Mahatma Gandhi University, Kottayam

Dr. Sathisha G.J. Kuvempu University, Shimogga  
T Rajmohan University of Kerala, Thiruvananthapuram

Publications of the Faculty

Prof. D. Govinda Rao

K Krishna Chaithanya, VK Gopalakrishnan, ZenebeHagos, K Kamalakararao, Patricia Ponce Noyola, P John Dogulas, D GovindaRao 2019. Isolation and structural characterization of Bioactive Anti-inflammatory Compound Mesuaferrin –A from M.Ferrea ISSN2231-1874. Analytical Chemistry Letters (TACL), Tayler & Francis 9(1)

2019 pp 74–85.

Dr. RajendraPilankatta  
 NeeliChandran, PrajitJanardhanan, Manikanta Bayal, Unnikrishnan Unniyampurath, RajendraPilankatta\*, and Swapna S. Nair\*. Label Free, Nontoxic Cu-GSH NCs as a Nanoplatform for Cancer Cell Imaging and Subcellular pH Monitoring Modulated by a Specific Inhibitor: Bafilomycin A1. *ACS Appl. Bio Mater.* 2020, 3, 2, 1245–1257

LathikaValliyott, RanjeetDungdung, RajendraPilankatta. Semi-quantification of Antibody-Dependent Enhancement (ADE) in the Uptake of Adenovirus Serotype 5 Into THP-1 Cells. *Anal Biochem.* 2020 Feb 15;591:113568. doi: 10.1016/j.ab.2019.113568. Epub 2019 Dec 24.

Arun Kumar Karayi, VijayaBasavaraj, Saravu R Narahari, MadhurGuruprasadAggithaya, Terence J Ryan, RajendraPilankatta. Human Skin Fibrosis: Up-regulation of Collagen type-III gene transcript in the fibrotic skin nodules of lower limb lymphedema *Tropical Medicine & International Health.* 2020 Mar; 25 (3):319 - 327. doi: 10.1111/tmi.13359. Epub 2020 Jan 2.

Nageswar Reddy, Ranjeet Dung Dung, Pankaj Trivedi, UnnikrishnanUnniyampurath, RajendraPilankatta. Mycophenolic acid (MPA) modulates host cellular autophagy progression in sub genomic dengue virus-2 replicon cells. *MicrobPathog.* 2019 Dec;137:103762.

Bayal M, Janardhanan P, Tom E, Chandran N, Devadathan S, Ranjeet D, Unnikrishnan U, Rajendra P, Nair SS. Cytotoxicity of nanoparticles - Are the size and shape only matters? or the media parameters too?: a study on band engineered ZnS nanoparticles and calculations based on equivolume stress model. *Nanotoxicology.* 2019 Apr 23:1-16. doi: 10.1080/17435390.2019.1602678.

DrAswati.R Nair  
 Sharmila Raj, Aswati R Nair, Princy P (2020) Antimicrobial peptide (AMP) from Zingiberzerumbet rhizomes with inhibitory effect on Pythium myriotylum secretory proteases and zoospore viability. *World Journal of Microbiology and Biotechnology* 36: 77

Aswati Nair R, Keerthi D, Padmesh P (2020) Evidence for Methylerythritol pathway (MEP) contributions to zerumbone biosynthesis as revealed by expression analysis of regulatory genes and metabolic inhibitor studies. *Plant Molecular Biology Reporter* <https://doi.org/10.1007/s11105-020-01202-5>.

Aswati Nair R\*, Geethu C (2020) Improving operational stability of thermostable Pythium myriotylum secretory serine protease by preparation of cross-linked enzyme aggregates (CLEAs). *Preparative Biochemistry and Biotechnology* 50(2): 107- 115

Harshitha K, Aswati Nair R\* (2020) Evaluation of DNA methylation changes by CRED-RA analysis following Prednisone treatment of endophyte, *Fusariumoxysporum*. *Indian J Microbiol* 60: 254- 258

Princy P, Aswati Nair R, Keerthi D, Ganapathy G (2019) Evaluating type III polyketide synthase (PKS) and terpene synthase (TPS) expression in incompatible interactions of *Zingiberzerumbet* to *Pythium myriotylumDrechsler*. *Archives of Phytopathology and Plant Protection* 52(15-16): 1161- 1176

Dr. Sameer Kumar V.B.

LincyEdatt, AswiniPoyyakkara, Grace R. Raji, Vishnu Ramachandran, S. Sharath Shankar and V. B. Sameer Kumar; (2019) Role of Sirtuins in Tumor Angiogenesis; *Frontiers in Oncology*; doi: 10.3389/fonc.2019.01516;

HarithaKunhiraman, Vishnu Ramachandran, LincyEdatt and V. B. Sameer Kumar; Regulation of poly ADP ribosylation of VEGF by an interplay between PARP-16 and TNKS-2; (2020) *Mol. Cell. Biochem.* <https://doi.org/10.1007/s11010-020-03746-2>

RajendranSatheeshkumar, LincyEdatt, AathiMuthusankar, V. B. Sameer Kumar&KarnamJayarampillaiRajendraPrasad; (2019) Synthesis of Novel Quin[1,2-b] Acridines: In Vitro Cytotoxicity and Molecular Docking Studies; *Synthetic communications* 48; 447; doi.org/10.1080/10406638.2019.1689515;;

K Soumya, Karickal R Haridas, Jesna James, V B Sameer Kumar, LincyEdatt, S Sudheesh; (2019)

Study of In vitro antioxidant and DNA damage protection activity of a novel luteolin derivative isolated from Terminalia chebula; Journal of Taibah University for Science 13; 755-763

S. Sharath Shankar, Vishnu Ramachandran, Rabina P. Raj, T. V. Sruthi, and V. B. Sameer Kumar (2020). Carbon Quantum Dots: A Potential Candidate for Diagnostic and Therapeutic Application. In P. Chandra, R. Prakash (eds.) Nano biomaterial Engineering: Concepts and Their Applications in Biomedicine and Diagnostic (49-70) Springer Nature Singapore Pte Ltd.

Dr. Tejaswini Venkatesh

Books chapter: Suresh, P.S. Shetty, A....Venkatesh, T. (2020) MicroRNAs as Biomarkers for Prediction of Environmental Health and Toxicity: A Systematic Overview. Biotechnology Vol. 2, 2020 - Springer.

Cherian, I., Prisho, M.P., Venkatesh, T. (2020). In silico prediction of UCHL1 disease causing SNPs and its effects on protein stability. Gene Reports, 19, 100677.

Paleri, A.V., Cherain, I., Suresh, P.S., Venkatesh, T. (2020). In silico analysis of COSMIC retrieved P body gene mutations in breast cancer. 19, 1000671.

Shetty, A., Venkatesh, T., Tsutsumi, R., Suresh, P.S. (2020). Gene expression changes and promoter methylation with the combined effects of estradiol and leptin in the uterine tissue of ovariectomised mice model. Molecular Biology REports, 47, 151-168.

#### Ongoing Projects:

Dr. RajendraPilankatta

Principal Investigator: Dr. RajendraPilankatta, Title of the Project: Targeting the host factor for inhibiting the secretion of Dengue virus NS1 lipoprotein complex: A novel strategy for anti-dengue viral drug development Funding Agency: ICMR Amount Sanctioned (Rs. in Lakhs): 28,10,748/-

Dr. Aswati R Nair

Principal Investigator: Dr. R. Aswati Nair, Title of the Project: Endophytes and hairy root culture: a concerted effort for biospecting novel sources for the anticancer sesquiterpenoid,

zerumbone. Funding Agency: Department of Science and Technology (DST) Amount Sanctioned (Rs. in Lakhs): 41.64 lakhs

Principal Investigator: Dr. R. Aswati Nair, Title of the Project: Development of Biopesticides for pre- and post-harvest soft-rot disease management. Funding Agency: Biotechnology Ignition Grant (BIG)- BIRAC (Biotechnology Industry Research Assistance Council) Amount Sanctioned (Rs. in Lakhs): 49.34 lakhs

Dr. Sameer Kumar VB

Dr. V.B. Sameer Kumar is awarded with a project entitled "Understanding the role of unique miRNA mediated signaling circuits recruited differentially during endothelial mesenchymal transition associated with fibrosis and angiogenesis" funded by DST SERB. With sanction Order No. CRG/2019/004476 DATED 02 March 2020 Total amount sanctioned for the project is 63,98,120/-

Dr. Tejaswini Venkatesh

Dr. ThejaswiniVenkatesh is awarded with a project entitled "Identification and functional analysis of tRNA derived small non coding RNAs in breast cancer" funded by DST SERB. With sanction order No. YSS/2014/000061 dated 15th Nov 2015. Total amount sanctioned for the project is 20,80,000/-

Dr. ThejaswiniVenkatesh is awarded with a project entitled "Promoter methylation of P body gene components and study of its implications on P body dynamics and tRF-miR pool binding in ER dependent breast cancer" funded by DBT. With sanction order No. BT/PR23887/MED/30/1871/2017 dated 1st June 2018. Total amount sanctioned for the project is 41,85,468/-

Dr. ThejaswiniVenkatesh is awarded with a project entitled "Exploration of the diagnostic/therapeutic potential of non-coding RNAs- Phosphatase-HER2-UPAR cross talk in breast cancer" funded by DBT as a Co-PI. With sanction order No. BT/PR16307/MED/30/1729/2016 dated 19th Jan 2018. Total amount sanctioned for the project is 56.43200/-

Projects completed in 2019-2020:-

DrRajendraPilankatta

PrincipalInvestigator: Dr. RajendraPilankatta, Title of the Project: Role of copper handling proteins in cisplatin drug resistance Funding Agency: DBTAmount Sanctioned (Rs. in Lakhs): 25.0 Lakhs

Dr.Aswati R Nair

Dr. R. Aswati Nair; "Endophytes and hairy root culture: a concerted effort for biosprospecting novel sources for the anticancer sesquiterpenoid, zerumbone", Department of Science and Technology (DST); Rs. 41.64 lakhs.

Dr Sameer Kumar VB

Dr. V.B. Sameer Kumar, "Profiling miRNA downstream of  $\alpha$ 6  $\beta$ 4 integrin; A strategy to target angiogenesis", DBT, Rs. 24,99,600/-

Dr. V.B. Sameer Kumar, "Identification and Functional Analysis of tumor generated exosomal miRNA and elucidating its role in anti-cancer drug resistance". Kerala Biotechnology Commission, KSCSTE; 23,92,500/-

Programmes Conducted by the Department (best 3 programmes with photo).

One-day workshop on "Female reproductive health" coordinated by Dr. Thejaswini on 22nd July 2019.

The department organized the visit of Dr. MV Pillai, MD, F.A.C.P, eminent Clinical Professor of Oncology, Thomas Jefferson University, USA. There was an interaction of faculty members with Dr. Pillai on a special topic titled "Life Style Disorders" on 19th Feb, 2020. Hon.VC has chaired the interactive session.

COVID19-Testing Lab, Department of Biochemistry and Molecular Biology, Central University of Kerala.

COVID19 TEST TEAM\_ 2020 REAL TIME RTPCR MACHINE USED FOR COVID19 TESTING  
Department of Biochemistry and Molecular

Biology, CUK got ICMR approval for conducting COVID19 test by RTPCR method. The tests were carried out effectively after obtaining the approval from NIV, Pune for Quality Assurance. Dr. RajendraPilankatta is in charge of the lab and supported by Dr. Sameer Kumar V B and Dr. RishiramRamanan. The team also involves five senior PhD Scholars (MrRanjeetDungdung, MsLathika V, MrPrajit J, Mr Vishnu R, MsRabina P) and two technical staff (MrRatheesh and Mr Rajesh) of the department. The team was also fortunate to have the services of two alumni, Dr. LincyEdatt and Dr. Prabitha Mohan. Dept of Health, Govt of Kerala deputed five medical lab technicians to the team. The lab provided unprecedented support to the entire community of Kasaragod District as well as the entire Kerala state during the COVID19 pandemic. The northernmost region of Kerala, Kasaragod suffers from serious lacunae of medical facilities. The services of COVID19 Testing facility of CUK significantly decreased the time lag for obtaining the test results and hence augmented the quarantine procedure, which was instrumental in the curbing of community spread of the disease in the locale.

Other Achievement by the Faculty

Dr.RajendraPilankatta was nominated as a member of the Expert Committee of Institute of Advanced Virology (IAV), Trivandrum by the Govt. of Kerala.

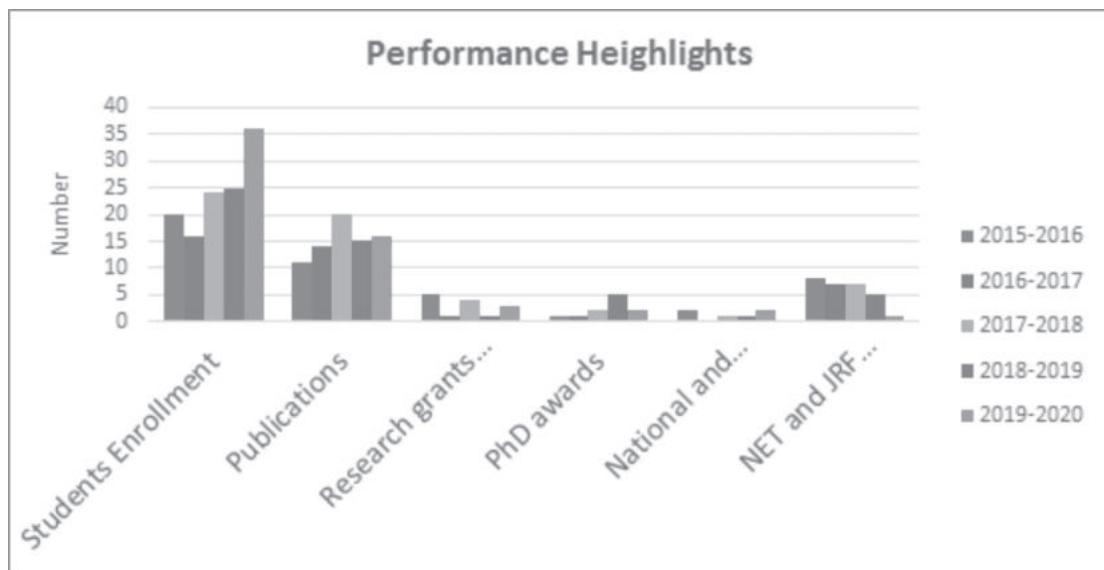
Students Achievements.

UG/PG Students:

- PG Student: First Prize in Poster presentation by Ms. SnehaAsok (II M.Sc BCMB) for presenting PG dissertation work at International Conference on Drug Discovery (29th Feb- 2nd March 2020) organized by BITS Pilani, Hyderabad.

### Analytical data of the Department

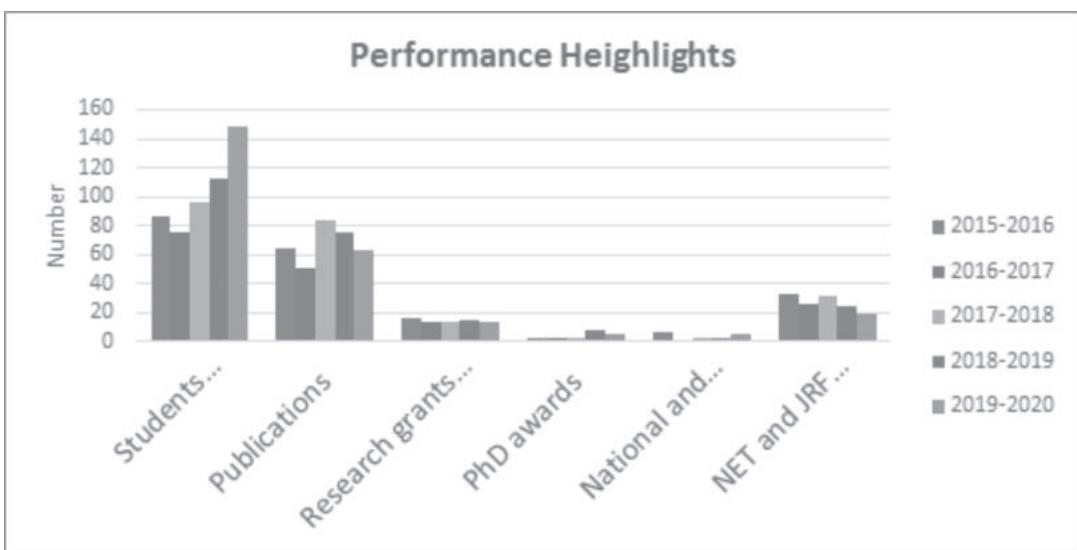
Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	20	16	24	25	36
2	Publications	11	14	20	15	16
3	Research grants obtained by faculty members in the financial year	5	1	4	1	3
4	PhD awards	1	1	2	5	2
5	National and International events conducted	2	0	1	1	2
6	NET and JRF Qualified	8	7	7	5	1



### Analytical data of the School of Biological Sciences

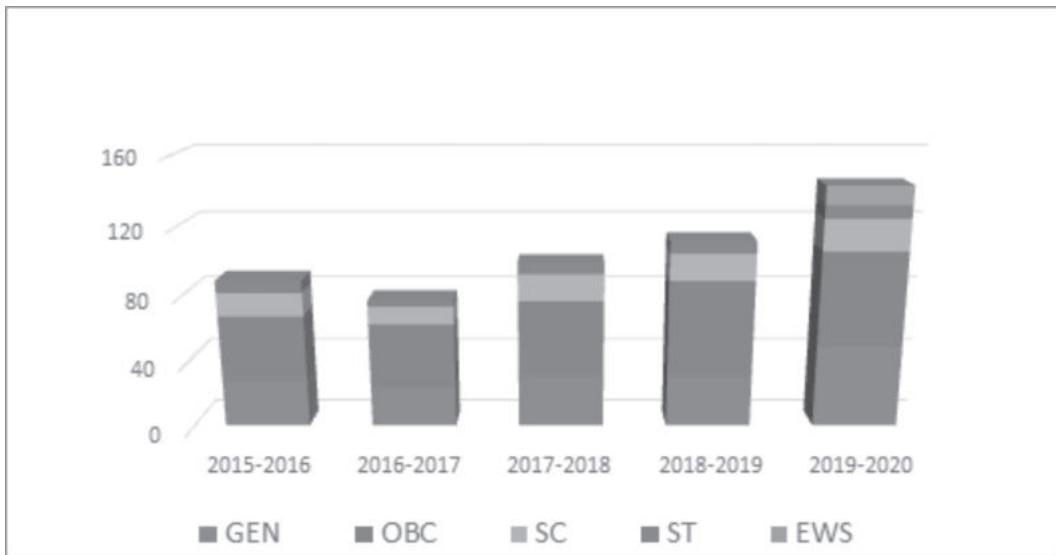
#### A. Performance highlights

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	87	76	96	112	148
2	Publications	64	51	84	76	63
3	Research grants obtained by faculty members in the financial year	17	14	14	15	14
4	PhD awards	3	3	3	8	6
5	National and International events conducted	7	2	3	3	5
6	NET and JRF Qualified	33	26	31	24	19

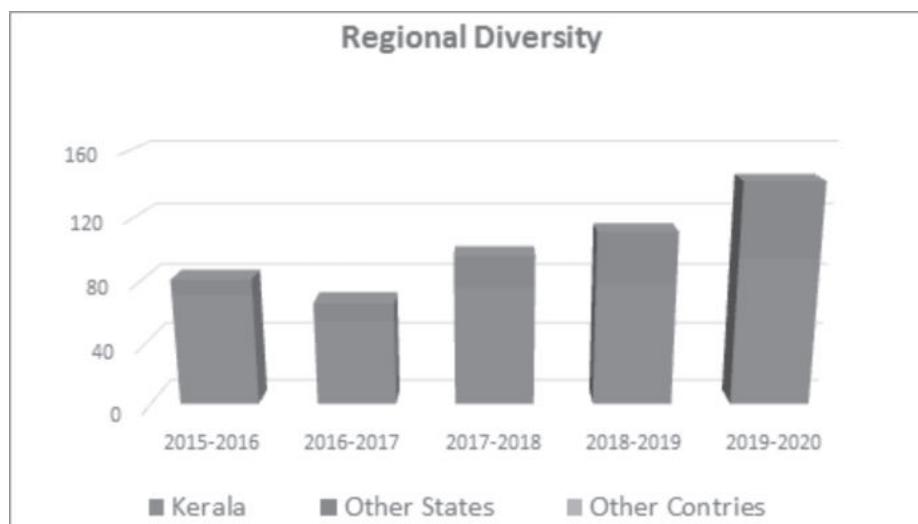


#### B. Student equity, diversity and inclusion comparison charts.

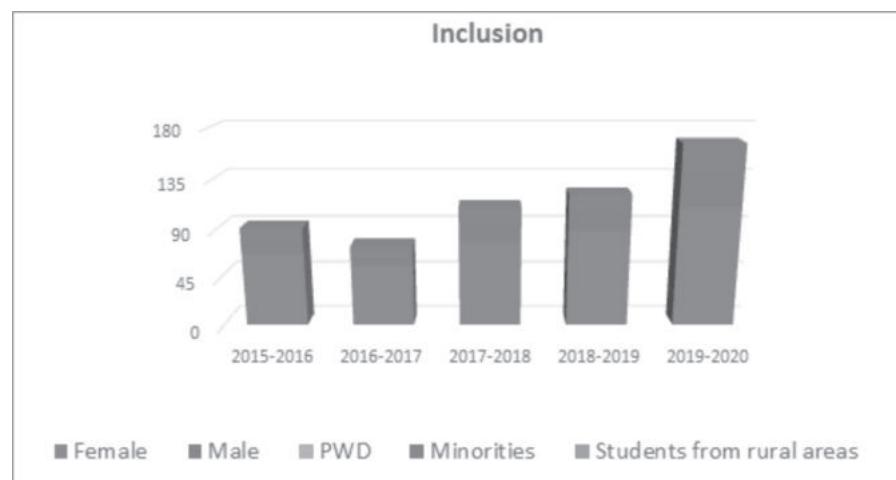
Equity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	28	24	31	31	48
2	OBC	39	38	45	57	57
3	SC	14	11	16	16	19
4	ST	7	3	6	7	8
5	EWS	0	0	0	0	11



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	71	54	76	78	94
2	Other States	10	12	20	33	48
3	Other Countries	0	0	0	0	0



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	68	57	78	88	109
2	Male	13	9	18	23	35
3	PWD	0	0	0	0	0
4	Minorities	10	8	14	11	23
5	Students from rural areas	0	0	0	0	0



## School of Business Studies

Dean of the School: **Prof. Dr. V. Balachandran**

# Department of Management Studies

Head of the Department: **Prof. Dr. V Balachandran**

Programmes Offered: **MBA (G)**

The Department of Management Studies, a significant segment/part of the School of Business Studies, was instituted on 30<sup>th</sup> July 2019 by Central University of Kerala. The study programmes focus to inculcate knowledge, analytical abilities and managerial skills needed for leadership in global organizations with a diverse workforce that compete in the global marketplace. The students acquire foundations in fundamentals of business, global environments and various core functional areas such as finance, human resources and marketing apart from, entrepreneurial, analytical and research perspectives of business. In order to inculcate professionalism and infuse entrepreneurial attitude or mind-set among the students, the Department has been maintaining Industry-Academia interface through invited lectures, management activities by experienced professionals in the field of Management and Corporate Sector. The University has given administrative approval to establish Entrepreneurship Development Cell (EDC) in the Department of Management Studies to encourage and motivate students to acquire various skills of an entrepreneur to become successful entrepreneurs in the long run. The Department provides an opportunity to undergo summer training (Orientation Study) as well as Internship Training to the students to get practical exposure to organizations of repute that will facilitate for their career and to collaborate exchange of information between both the industry and students for mutual benefit and knowledge enhancement.



<b>Present Faculty Position</b>										
Posts	Sanctioned	Filled up		Vacant		Total				
Assistant Professor	2	0		2		2				
Associate Professor	2	0		2		2				
Professor	1	Contractual		0		1				
<b>Students Enrolment</b>										
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female	
MBA [G]	11	3	0	14	0	05	33	16	17	

<b>Faculty Details</b>										
Dr V Balachandran, Head of the Department										
Specialisations : Legal Aspects of Business, Finance & Indirect Taxes (GST), Corporate Governance & CSR, Board Management, Securities Market										
Arunima K V, Ad-hoc Faculty										
Specialisations : Human Resource Management, Marketing Management, Systems										
Sreekha P, Ad-hoc Faculty										
Specialisations : Finance and Marketing										
Saumya C Manoharan, Ad-hoc Faculty										
Specialisations : Finance and Marketing										

#### List of Member of Board of Studies:

##### Chairperson

Prof. (Dr.) V Balachandran, HOD Dept. of Management Studies Head, Department of Management Studies (General)

##### External Members

Prof (Dr.) T.N Sreedhara, Department of Business Administration, Mangalore University, Pin 574199,

Prof (Dr.) K.S Chandrasekar, Dean of Management, Institute of Management, University of Kerala, Thiruvananthapuram -695581

Prof (Dr.) P. Saravanan IIM, Thiruchirapalli,

Dr. SM.Unnikrishnan, Associate Vice-President, H L L Life Care Ltd. Poojapura, Thiruvananthapuram

##### Special Invitee

Dr.B.R.Prasanna Kumar, Finance Officer, Central University of Kerala

Dr .Satheesh Kumar Nair, Deputy Chief of HR, Air India Express, Cherthala, Aleppy, Kerala, PIN:688533.

Mr. John Kuruvilla, Director, Confederation of India Industries(CII), Kerala Chapter,92,93,10th Floor, Abad Nuclear Mal& Office, NH 49,

Maradu(PO) Cochin- 682304

##### Publications of the Faculty

Balachandran, V and Revathi, C. (2019), "A Study of Corporate Social Responsibility Awareness among Small, Medium Enterprises in Virudhunagar", International Journal of Analytical and Experimental Model Analysis, Vol.11, No.9, ISSN-0886-9367, pp. 88-97.

Balachandran, V and V, Arunima. (2019), "Knowledge Management in start - ups to scale up through innovations", International Journal of Analytical and Experimental Model Analysis, Vol.12, No.2, ISSN-0886-9367, pp. 184-195.

##### Books:

V Balachandran and S Thothadri (2014), Business Law, Vijay Nicole Publications, Chennai, ISBN-978-007-0078-055

V Balachandran (2014), Economic and other Legislations, Vijay Nicole Publications Chennai, ISBN-978-81-8209-391-1

V Balachandran and S Thothadri (2016), Business Law, Tata Mc Graw Hill publishing, New Delhi

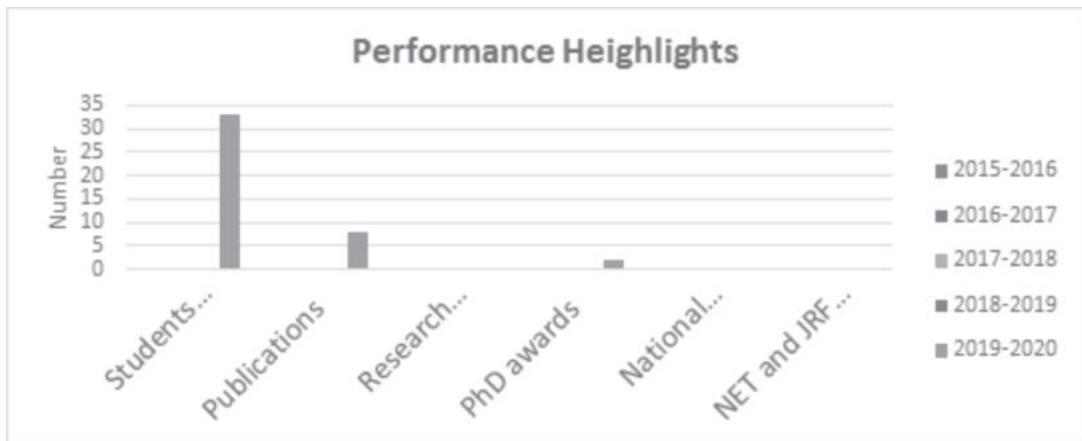
##### Other Achievement by the Faculty

Prof.Dr.V.Balachandran: GLORY OF INDIA GOLD MEDALIST 2020 AWARD conferred to Prof Dr V Balachandran by Best Citizen Publishing

House, New Delhi for his contribution in academic arena.

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	-	-	-	33
2	Publications	-	-	-	-	8
3	Research grants obtained by faculty members in the financial year	-	-	-	-	0
4	PhD awards	-	-	-	-	2
5	National and International events conducted	-	-	-	-	0
6	NET and JRF Qualified	-	-	-	-	-



# Department of Tourism Studies

Head of the Department: **Dr. Sibi P. S.**

Programmes Offered: **MBA** (Tourism and Travel Management)

The Department of Tourism Studies (DTS) in the Central University of Kerala was established in 2019 under the School of Business Studies to prepare competent tourism professionals by offering Post Graduation in Tourism and Travel Management. The department offers two-year full-time MBA in Tourism and Travel Management (TTM) spreading four semesters since July 2019. The department works with the mission of preparing young aspirants to gain professional skills to empower them to lead the tourism business and to creatively think for the benefit of the community, industry and the nation.

The MBA (TTM) is a professional program designed to groom students with the skills and qualities expected to manage the various travel, tourism and hospitality business. The pedagogy and curriculum are designed in such a way that it help the students to learn and acquire theoretical knowledge as well as practical skills in Tourism. The department



offers a great opportunity for the students to specialize in the areas of Tour Operation Management, Airline and

Cargo Management, Special Interest Tourism and Event Management

<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total
Posts					
Assistant Professor		4	0	0	4
Associate Professor		2	0	0	2
Professor		1	0	0	1
<b>Students Enrolment</b>					
Programme	Gen	SC	ST	OBC	PWD
MBA (TTM)	15	0	1	10	0
				EWS	Total
				4	30
				Male	Female
				10	20

**Faculty Details**

Dr. Sibi P.S., Assistant Professor on deputation and Head Incharge

Specialisations : Airline Management, Tourism Product Development, Indigenous Tourism, Special Interest Tourism

Nagaraja Sharma U., Adhoc Faculty

Specialisations : Hospitality Management, Airline and Airport Management, Tourism Products, Airfares and Ticketing, Tourism Marketing

Mohammed Ashraf B A, Adhoc Faculty

Specialisations : Travel Agency and Tour Operation Management, Rural Tourism, Destination Geography

List of Member of Board of Studies:

Chairperson

Dr. Sibi P S Head, Department of Tourism Studies1.

Prof (Dr.) R.Kannan, Professor, Centre for Tourism & Hotel Management, Madurai

External Members

Prof.(Dr.) G.AnjaneyaSwamy, Professor & Dean of Tourism, School of Management, Pondicherry University,

Dr. B R a j e n d r a n , P r i n c i p a l , K I T T S , Thiruvananthapuram

· Dr.Vinod C Sugathan, Head of the Department, S.N.CollegeVarkala

Special Invitee

Sri Raghu Das, Additional Director, Dept. of Tourism , Govt.of Kerala Sri ShajiMadavan, Director, Food Craft Institute, Thiruvananthapuram

Publications of the faculty

· Ashraf, Mohammed & P.S., Dr.Sibi. (2020).

Ecotourism and the Changes in the Lifestyle of Local Community - An Analytical Study in Thenmala, Kerala.Rurality, Ruralism and Rural Tourism, 241-251.

Students Achievements

UG/PG Students:

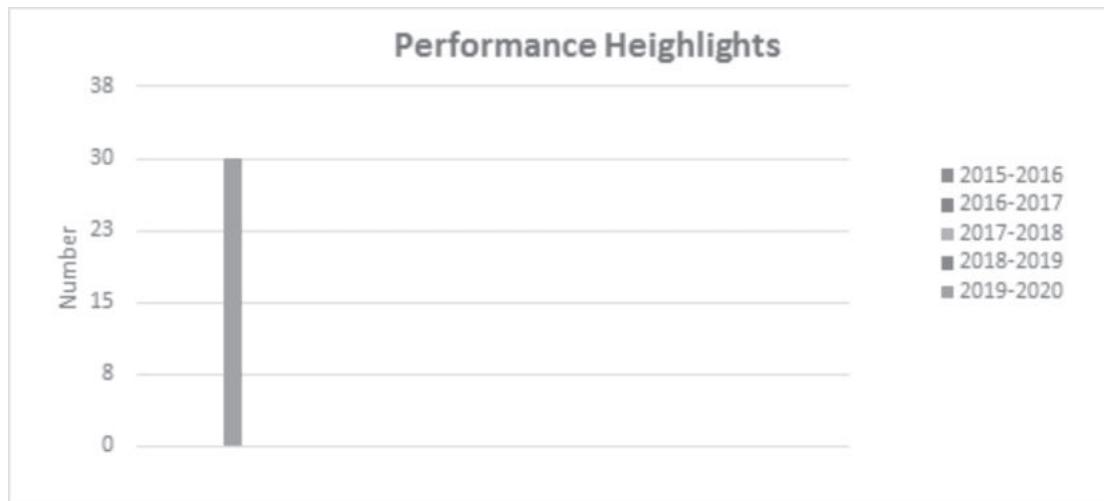
Mr. Jithin and Mr. Anoop (1st Year) participated and Won the title in Inter-School Football Championship and secured a place in the University team for South Zone Inter University Football Tournament held in Tamil Nadu.

Ms Krishna (1st Year) won a 'Guinness World Record' for Ekathmagam Mega Mohiniyattam held in Thrissur.

iii) NFive students of the department –Krishna V S,Anjali ,AmeenP,ReshaBasheer and Kavya V S o f 1 s t Y e a r , a t t e n d e d EkBharathShresthBharath youth exchange programme from Kerala to Himachal Prades.

### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	-	-	-	30
2	Publications	-	-	-	-	0
3	Research grants obtained by faculty members in the financial year	-	-	-	-	0
4	PhD awards	-	-	-	-	0
5	National and International events conducted	-	-	-	-	0
6	NET and JRF Qualified	-	-	-	-	0



# Department of Commerce and International Business

Head of the Department: **Prof. Dr. T. Mallikarjunappa**

Programmes Offered: **M.Come**

The Department of Commerce and International business, a part of the School of Business Studies of Central University of Kerala started on July 2019. It caters to the increasing need for commerce education in India and it intends to increase the strength after few years. The department also intends to have the MOU with local industries and chamber of commerce and it proposes to start more specialization after few years. With the focus on international Finance, the department aims at imparting in-depth knowledge and professional skills required for handling the Finance Functions of business entities and corporate enterprises. The department offers programs on the Master's degree and PhD.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total
Posts					
Assistant Professor		2	0	0	2
Associate Professor		2	0	0	2
Professor		1	Contract basis		1
<b>Students Enrolment</b>					
Programme	General	SC	ST	OBC	PWD
M.Com	06	06	04	25	02
				EWS	Total
				06	49
				Male	Female
				16	33

#### Faculty Details

Prof Dr. Mallikarjunappa, Academic Co-ordinator

Specialization : Accounting and Finance, Materials Management, Cost and management accounting

Dheera K R, Guest Faculty

Haritha PH, Guest Faculty

Specialization : Finance

#### List of Member of Board of Studies:

Head, Department of Commerce and International Business Dr T Mallikarjunappa, Academic CoordinatorChairperson

Prof.(Dr.) Balachandran, Academic Coordinator, Dept. of Management Studies, CUK

#### Experts Members

Prof (Dr.) N Raghavan, Department of Commerce, University of Madras, Chennai 600005, Mob: 8754445929 Prof (Dr.) Mavooth, Director School of Management Studies, CUSAT – Cochin 682022 Phone: 09249947555

Prof (Dr.) Suresh B H, Department of Commerce, University of Mysore, Manasagangotri, Mysore 570006, Mob: 8212419841, 9480253101

Dr. Antony Joseph, Manadan, XV/57, Nazareth Road, Alwaye 683101, Mob: 9746230051 Members

Special Invitee Mr. K G Madhu, Managing Director, Ammini Group of Institutions, Papanamcode, Thirupananthapuram 695019, Mob: 9447060022

Prof (Dr.) E K Sathish, Professor and Dean, Department of Commerce and Management, Calicut University, thenjipalam 673635, Mob: 9902101189

#### Programmes Conducted by the Department

Post Graduate Commerce Students' Association inauguration was held on October 1, 2019, at Sabarmati Block. The Association was inaugurated by Prof Dr K Jayaprasad (Honourable Pro-Vice-Chancellor, Central University of Kerala).

Budget 2020-Discussion was conducted on February 7, 2020, 10 am onwards at Sabarmati Block. Students groups from the Department of Commerce and International Business made the budget presentation.

On March 9, 2020, a Seminar on the topic 'GST and Indirect Tax Reforms in India' was conducted at Seminar Hall, Sabarmati Block. The programme gave an opportunity for the audience to raise questions and clarify their doubts regarding G.S.T.

#### Students Achievements

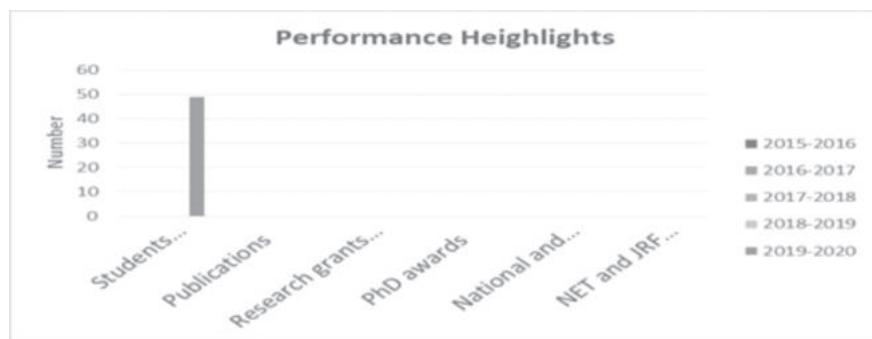
##### UG/PG Students:

Participation in south zone inter university football competition.

Participation in Ek Bharat Shrestha Bharat cultural exchange programmes (Central university of Himachal Pradesh)

### Analytical data of the Department

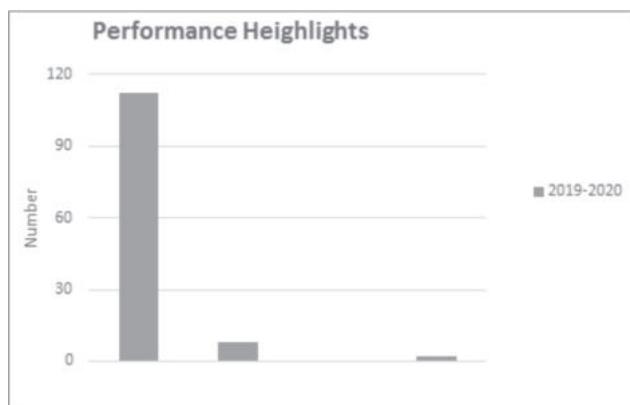
Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	-	-	-	49
2	Publications	-	-	-	-	0
3	Research grants obtained by faculty members in the financial year	-	-	-	-	0
4	PhD awards	-	-	-	-	0
5	National and International events conducted	-	-	-	-	0
6	NET and JRF Qualified	-	-	-	-	0



### Analytical data of the School of Business Studies

#### A. Performance highlights

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment					112
2	Publications					8
3	Research grants obtained by faculty members in the financial year					
4	PhD awards					2
5	National and International events conducted					
6	NET and JRF Qualified					

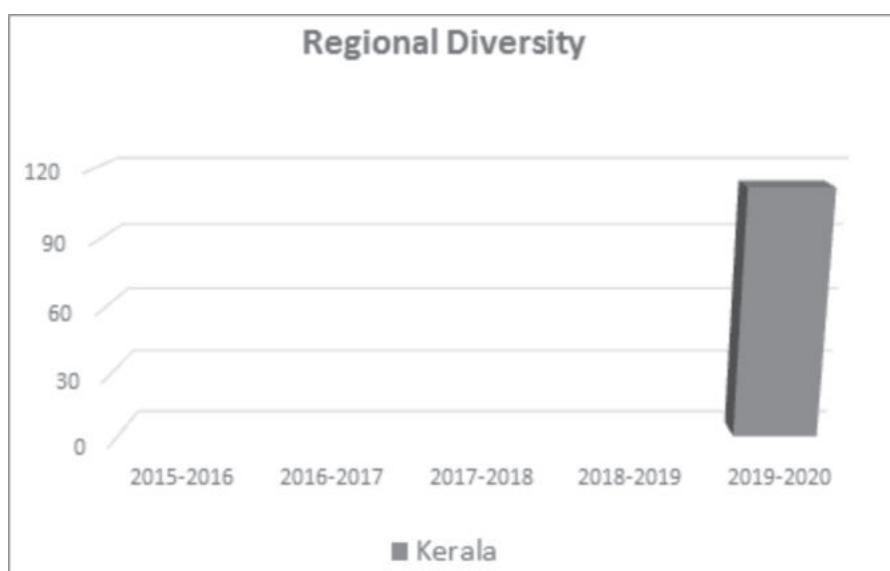


**B. Student equity, diversity and inclusion comparison charts.**

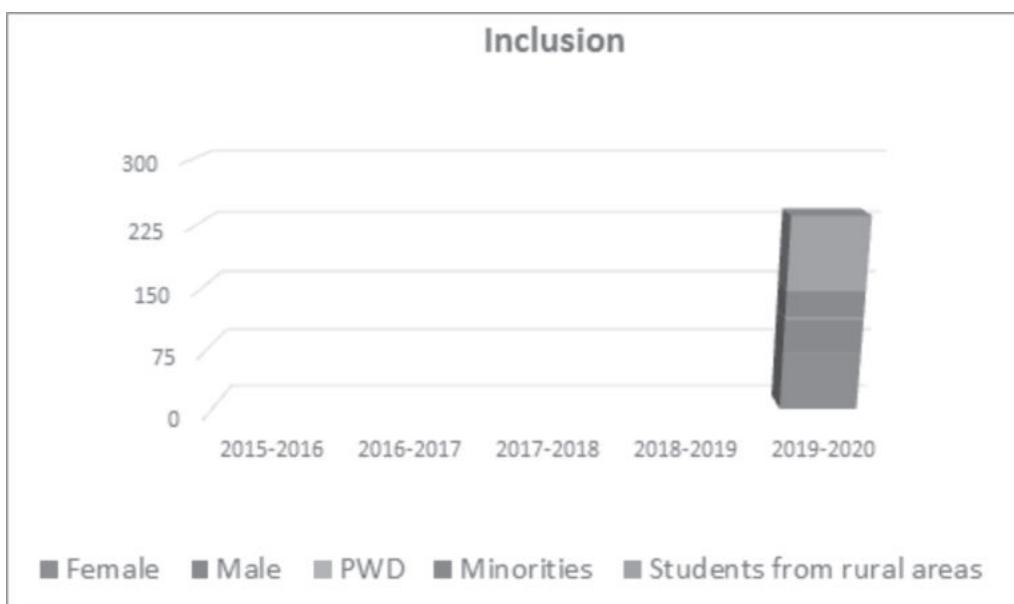
Sl.No	Category	Equity				
		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN					32
2	OBC					49
3	SC					9
4	ST					5
5	EWS					15



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala					112
2	Other States					
3	Other Countries					



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female					70
2	Male					42
3	PWD					2
4	Minorities					32
5	Students from rural areas					90



## School of Cultural Studies

Dean of the School: Prof. (Dr.) K. Jayaprasad

## Mahatma Ayyankali Centre for Kerala Studies

Director: Prof. (Dr.) K. Jayaprasad

The Mahatma Ayyankali Centre for Kerala Studies is one of the innovative centres being established by the Central University of Kerala. The centre is attached to the School of Cultural Studies, one of the infant schools at the Central University and it aspires to be one of the pioneering centres for research in Kerala studies. The centre provides art-of-the-state facilities for research related to Kerala society, polity, economy and culture and will undertake policy oriented research that aims at the overall aspects of Kerala, with a view to bring out solutions for the challenges facing the polity and society. The centre visions to undertake various researches on specific themes, will document our cultural heritage and conduct discussions and seminars with publication of monographs and scholarly works.

1. Name of the Head of the Centre: Prof. (Dr.) K. Jayaprasad

2. Brief summary of the activities carried out by the Centre / Cell / Section:

Organized a three-day National Level Workshop on Designing Research in Social Sciences, in association with the Centre for Curriculum Research Policy and Educational Development, School of Education, from 04-06 March 2020 at the Capital Centre, Thiruvananthapuram.

Organized a Two-Day National Seminar on

"Nation Building and Social Harmony in the Philosophies of Sree Narayana Guru and Mahatma Ayyankali" at Capital Centre Thiruvananthapuram, from 27th to 28th September 2019. Prof. Ashok Modak, Chancellor Guru Ghasidas Central University, Bilaspur, Chhattisgarh delivered the Key note address and around 29 Resources Persons presented research papers.

First Ayyankali Memorial Lecture as part of 157th Birth anniversary of Mahatma Ayyankali, with the support of Indira Gandhi National Centre for Arts New Delhi, on 29th August 2019 at Thiruvananthapuram. Former Union Minister of State HRD Dr. Sanjay Paswan Delivered the Lecture. The memorial Lecture was followed by the Cultural Programmes.

With the Support of Indira Gandhi National Centre for Arts, New Delhi, a Two-Day National Seminar on "Art, Culture and Philosophical Traditions of Kerala" was organized jointly with the VidyathirajaChattambiSawmikal Centre for Classical language on 30th& 31st October 2019 at Main Campus, Periyar, Kasaragod. The National Seminar was inaugurated by great Malayalam Poet and Lyricist Sreekumaran Thambi. Kerala's traditional and classical Art form of Kerala was demonstrated in the stage along with the Seminar presentations. Senior artists of

Kerala performed Sopanasangeetham, Mohiniyattam, Ottanthullal, and chakayarkoothu, Kathakali, Padayani etc. on this occasion.

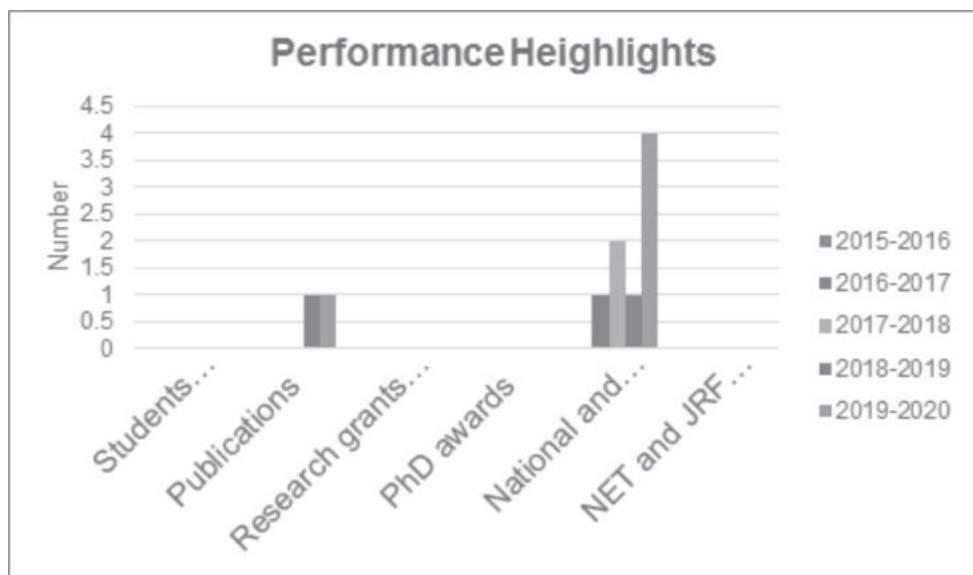
Publication of the Book entitled "Kerala

NavodhanamDishayumDishabodhavum" (Malayalam), Edited by Prof. K. Jayaprasad for Mahatma Ayyankali Centre for Kerala Studies, Central University of Kerala, 2019.

Analytical data of the School:

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment					
2	Publications				1	1
3	Research grants obtained by faculty members in the financial year					
4	PhD awards					
5	National and International events conducted		1	2	1	4
6	NET and JRF Qualified					



## School of Earth Science System

Dean of the School: **Prof.(Dr.) M R PrathapachandraKurup**

# Department of Environmental Science

Head of the Department: **Prof. (Dr.) Muthukumar Muthuchamy**

Programmes Offered: **M. Sc., Ph.D**

The department envisages doing transformative and innovative research in the interdisciplinary fields of environmental science and technology. The department would, in the time to come, align and work towards sustainable development goals of the nation. The faculty have diverse research interests and are well-known scientists in their field of interest with international exposure and acclaim. The core emphasis of the department is in Environmental Chemistry, Ecology, Climate Change, Renewable Energy, Environmental Biotechnology and Microbiology, Environmental Impact Assessment and Environmental Engineering.

The faculty practise novel teaching methods and assess students based on their overall development. The department thrives to organize regular field-work, co-curricular and extension activities to give students a holistic exposure. The faculty encourage students to take up opportunities in their sector of interest, giving equal and special emphasis to each of the various options available to the students of Environmental Science. The students can also advantage of various associations and organizations which operate out of the department like Placement Cell, Alumni Association and Prakruti – an eco-club.



<b>Present Faculty Position</b>								
Posts	Sanctioned	Filled up		Vacant		Total		
Assistant Professor	4	4		0		4		
Associate Professor	2	0		2		2		
Professor	1	1		0		1		

<b>Students Enrolment</b>								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Sc.,	15	3	1	10	0	29	11	18
Ph.D	4	1	0	3	0	8	2	6

### **Faculty Details**

Prof. (Dr.) Muthukumar Muthuchamy, Professor and Head

Specialization : Water and Wastewater Treatment, Renewable Energy, Climate Change Modelling

Dr. Rishiram Ramanan, Assistant Professor

Specialization : Microbial Ecology, Environmental Biotechnology, Bioenergy, Environmental Sustainability & Climate Change

Dr. K. Sowjanya Sree, Assistant Professor

Specialization : Crop pest management (Insect molecular toxicology), Duckweed biology and applications (Duckweed plant Systematics (morphological and molecular), Ecology, Stress Physiology, Flowering, Biotechnology)

Dr. J. Sangeetha, Assistant Professor

Specialization : Environmental Toxicology, Environmental Microbiology, Environmental Biotechnology

Dr. S.Anbazhagi, Assistant Professor

Specialization : Environmental Microbiology and Biotechnology

### **List of Member of Board of Studies**

Dr. Muthukumar Muthuchamy, Professor and Head	Chairperson
Dr. A.G. Devi Prasad, Professor (Subject Expert)	Member
Dr. G. Annadurai, Professor (Subject expert)	Member
Dr. D.S. Jaya, Professor (Subject Expert)	Member
Dr. N. Nandhini, Professor (Subject Expert)	Member
Dr. Ranjith Kumavath, Assistant Professor (other Department)	Member

### **Publications of the Faculty**

Gado Abubakar, Anbazhagi Muthukumar, Muthukumar Muthuchamy, (2019), "Investigation of Small-Scale Wind Electricity Generation Using Spline Interpolation Model". International Journal of Scientific Research and Reviews, 8(2), 3080-3100.

Abubakar, G., Muthukumar, A. and Muthuchamy, M.(2019); "Assessment of small Scale Solar PV Electricity Generation Potential using A Novel Technique", International Journal on Emerging Technologies, 10(4):111-118.

Anju, G., Subha, B., Muthukumar, M., and Sangeetha, T. (2019), Application of Response Surface Methodology for Sago wastewater treatment by ozonation", Iranian Journal of

Energy and Environment, 10 (2): 96-103.  
 RamyaThangamani, Muthukumar Muthusamy, Prem Kumar Manickam Periyaraman, AmudhaThanarasu, ThiruselviDevaraj, AnuradhaDhanasekaran and Subramanian, Sivanesan (2019), "Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 41:7, 866-880.  
 Tran, Q. G., Yoon, H. R., Cho, K., Lee, S. J., Crespo, J. L., Ramanan, R., & Kim, H. S. (2019). Dynamic interactions between Autophagosomes and lipid droplets in *Chlamydomonasreinhardtii*. Cells, 8(9), 992.

Tran, Q. G., Cho, K., Kim, U., Yun, J. H., Cho, D. H., Heo, J., Park, S.B., Kim, J.W., Lee, Y.J., Ramanan, R., & Kim, H. S. (2019). Enhancement of  $\alpha$ -carotene production by regulating the autophagy-carotenoid biosynthesis seesaw in *Chlamydomonas reinhardtii*. *Bioresource technology*, 292, 121937.

Bog, M., Appenroth, K-J., &Sree, K.S. (2019). Duckweed (Lemnaceae): its molecular taxonomy. *Frontiers in Sustainable Food Systems*, 3, 117.

Bog, M., Sree, K.S., Fuchs, J., Hoang, P.T.N., Schubert, I., Kuever, J., Rabenstein, A., Paolacci, S., Jansen, M., &Appenroth, K-J. (2020). A taxonomic revision of *Lemna* Sect. Uninerves (Lemnaceae). *Taxon*, 69, 56-66.

Sree, K.S.&Appenroth, K-J. (2020). Worldwide genetic resources of duckweed: Stock collections. In Cao, X.H., Fourounjian, P., Wang, W. (Eds.), *Compendium of plant genomes: The duckweed genomes* (pp. 39-46). Switzerland: Springer Nature.

Bog, M., Xu, S., Himmelbach, A., Brandt, R., Wagner F., Appenroth, K-J. &Sree, K.S. (2020). Genotyping-By-Sequencing for species delimitation in *Lemna* section UninervesHegelm. (Lemnaceae). In Cao, X.H., Fourounjian, P., Wang, W. (Eds.), *Compendium of plant genomes: The duckweed genomes* (pp. 115-123). Switzerland: Springer Nature.

Ndolo, D., Njuguna, E., Adetunji, C.O., Harbor, C., Rowe, A., Breeyen, A.D., Sangeetha, J., Singh, G., Szewczyk, B., Anjorin, T.S., Thangadurai, D and Hospet, R. (2019). Research and Development of Biopesticides: Challenges and Prospects. *Outlooks on Pest Management*, 30(6), 267-276.

Sangeetha, J., Thangadurai, D., Prathima, P., Simmi, M.S., Sreeshma, P., David, M., Hospet, R. (2019), In situ and ex situ conservation of biodiversity in India: Strategies and approaches for environmental sustainability. In: Sangeetha, J., Thangadurai, D., Goh, H.C., Islam, S (Eds.), *Biodiversity and conservation: Characterization and utilization of plants, microbes, and natural resources for sustainable development and ecosystem management* (pp 318-369). Oakville, Canada: Apple Academic Press.

Sangeetha, J., Thangadurai, D., Tanasupawat, S., Kanekar, P.P. (2019). *Biotechnology of microorganisms: Diversity, improvement and application of microbes for food processing, healthcare, environmental safety and agriculture*, Oakville, Canada: Apple Academic Press, Inc.

Sangeetha, J., Thangadurai, D., Goh, H.C., Islam, S. (2019). *Biodiversity and conservation: Characterization and utilization of plants, microbes, and natural resources for sustainable development and ecosystem management*, Oakville, Canada: Apple Academic Press, Inc.

Thangadurai, D., Sangeetha, J., Prasad, R. (2020). *Nanotechnology for food, agriculture and environment*, Switzerland: Springer International Publishing.

AnabzhagiMuthumumar (2019) Light Emitting Diode for the Inactivation of Microorganisms on Fruits and Vegetables. 259-271. In *Microbial technology for the welfare of Society*. Springer.

Muthuraj, M, UshaRani B, Anbazhagi S and Vidya Raj (2019). *Biosafety in Microbiological Laboratories*. Notion Press, 978-1-64587-885-8.

Krishnakumar S, S.Anbalagan , K.Kasilingam , P. Smrithi , S. Anbazhagi, S. Srinivasalu (2020) Assessment of plastic debris in remote islands of the Andaman and Nicobar Archipelago, India. *Marine Pollution Bulletin*. 151, 110841

Nadirsha P.S Nawab, ShilpaPadmanabhan, AnbazhagiMuthukumar (2019) Pathogens and associated waterborne diseases. 9 (4) Guide E - Newsletter

Ongoing Projects:

Prof. (Dr.) MuthukumarMuthuchamy is awarded with a project entitled "Climate change adaptation strategies for Biodiversity conservation in Western Ghats, India" funded by SERB, New Delhi. Total amount sanctioned for the project is Rs.28.072 lakhs.

Prof. (Dr.) MuthukumarMuthuchamy is awarded with a project entitled "Spatial distribution of Uranium and associated water quality

parameters in ground water/ drinking water of Coimbatore, Erode, Tiruppur and The Nilgiris district of Tamilnadu" funded by BRNS, DAE Mumbai. Total amount sanctioned for the project is Rs.26.973 lakhs.

Prof. (Dr.) MuthukumarMuthuchamy is awarded with a project entitled "Production and Utilization of Wind energy from Central University of Kerala Campus" funded by Central University of Kerala. Total amount sanctioned for the project is Rs.1.275 lakhs.

Dr. RishiramRamanan was awarded with a project entitled "ALUV-X – developing algae-based sunscreen formulations for wide-ranging uv protection" funded by DST-SERB with the SERB Sanction Order No. ECR/2018/000410. Total amount sanctioned for the project is Rs. 47.44157 Lakhs.

Dr. Jeyabalan Sangeetha is awarded with a project entitled ""Environmental impact assessment of pesticide application for cashew plantation on soil bacterial diversity, soil biochemical processes and soil enzymes through molecular approaches" funded by SERB, New Delhi with sanction order No. ECR/2017/000865. Total amount sanctioned for the project is Rs.24.2286 Lakhs

Dr. S. Anbazhagi is awarded with a project entitled "Nano scale detection of potentially bio accumulative and toxic Per- and polyfluoroalkyl (PFA) substances in water resources" funded by UGC, New Delhi. Total amount sanctioned for the project is Rs.10 Lakhs.

#### Projects completed in 2019-20

Dr. Ramanan has completed a project entitled "Algisin – bioplastics synthesis from algae based polymers and plastizers" funded by UGC with the UGC Sanction Letter No. F.30-366/2017(BSR). Total amount sanctioned for the project is Rs. 10 Lakhs.

Dr. Ramanan has completed a project entitled "Hydrobiological investigations and awareness campaign on importance and services ofKasargod wetlands among school and university students" funded by State Wetland Authority, Kerala (SWAK) with the

SWAK Proceeding No. SWAK/A1/133/2018. Total amount sanctioned for the project is Rs. 3 Lakhs.

Dr. K. SowjanyaSree, has completed a project entitled "Flowering and seed set in Wolffiamicroscopica, one of the smallest angiosperm, in response to environmental signals" funded by UGC, New Delhi. Total amount sanctioned for the project isRs. 8 Lakhs.

Dr. K. SowjanyaSree, has completed a project entitled "Transcriptional responses of Helicoverpaarmigera to the mycotoxin, destruxin", funded by IGSTC, India and MPG, Germany. Total amount sanctioned for the project isRs. 3 L + Euro 12,000.

#### Programmes Conducted by the Department (best 3 programmes with photo)

"ONE DAY WORKSHOP ON WETLANDS OF KERALA" for University, College & School Students organized by DrRishiramRamanan on 25.07.2019 at Central University of Kerala, Kasaragod, Kerala.

Three days' workshop on "Water Sanitation and Hygiene in School Teacher Education (WASH-2019)" for School Teachers, organized by Dr. S. Anbazhagi,from 29.07.2019 to 31.07.2019.

Two days' workshop on "First Aid Training Programme" along with St.John Ambulance for Central University of Kerala Students , Organized by Dr. S. Anbazhagi, from 04.10.2019 to 05.10.2019.

Five days workshop on "Learning to address climate change", for College Faculties, Organized by Dr. S. Anbazhagi from27.01.2020 to 31.01.2020.

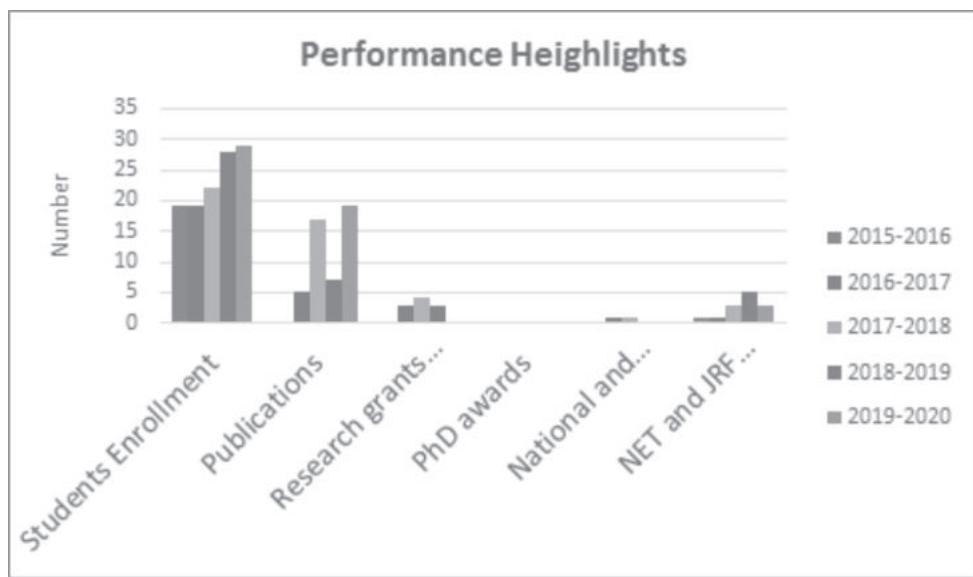
#### Other Achievement by the Faculty

· Certificate of Appreciation for excelling in science and research to Dr. K. SowjanyaSree presented by Dr. K. V. Rao Scientific Society, Hyderabad in 2019.

Dr. S. Anbazhagi has contributed the content writing for MOOC course Biomass

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	19	19	22	28	29
2	Publications	0	5	17	7	19
3	Research grants obtained by faculty members in the financial year	0	3	4	3	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	0	1	1	0	0
6	NET and JRF Qualified	1	1	3	5	3



# Department of Geology

Head of the Department: **Dr. Pratheesh P**  
Programmes Offered: **MSc. and Ph.D.**

The Department of Geology was established in Central University of Kerala under the School of Earth Science Systems during August 2016. Presently department has intake capacity of 20 and runs the credit based course of M.Sc. Geology. At present the department has four faculty members specialised in different areas of Geology such as petrology, geochemistry, structural geology, Quaternary palaeoclimate, micropaleontology, environmental magnetism, palaeomagnetism, remote sensing and GIS. The faculty members are actively engaged in research in these thrust areas.

The Department of Geology is in the process of upgrading its facilities and developing new laboratories. The department is committed to produce future geologists and geo-scientists with academic excellence. The curriculum includes contents from syllabus of various competitive examinations such as UGC-CSIR NET and UPSC geologists and GATE. It also includes recent innovations and practices adopted by the industry especially in the fields of petroleum exploration, geo-technical, energy and mineral exploration. The curriculum of M.Sc. Geology Programme contains extensive field work, geological mapping, mine visits and it is designed in such a way that it is easier for the students to adapt in the role of professional geologists and geo-scientists



<b>Present Faculty Position</b>									
Posts	Sanctioned	Filled up			Vacant		Total		
Assistant Professor	4	4			0		4		
Associate Professor	2	0			2		2		
Professor	1	0			1		1		
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
MSc. 1st YEAR	11	7	Nil	13	Nil	4	35	18	17
MSc. 2nd YEAR	13	4	1	11	1	Nil	29	15	14
Ph.D	5	2	Nil	3	Nil	Nil	10	4	6

<b>Faculty Details</b>									
Dr. Pratheesh P, Assistant Professor & HOD (I/c)									
Specialization : Structural Geology, Petrology, Tectonics									
Dr. Sandeep K, Assistant Professor									
Specialization : Palaeolimnology and Quaternary Palaeoclimate, Environmental magnetism and its applications in pedogenetic and pollution studies									
Dr. Sijin Kumar A V, Assistant Professor									
Specialization : Marine Geology and Paleoclimate, Marine Micropaleontology and Paleoceanography									
Dr. Chandan Kumar B, Assistant Professor									
Specialization : Economic Geology, Petrology									

#### List of Member of Board of Studies:

Dr. Sandeep K, Dept. of Geology  
 Dr. Pratheesh P, Dept. of Geology  
 Dr. Jeyabalan Sangeetha, Dept. of Environmental Science are the internal members.  
 Dr. R. Shankar (Professor (retired), Dept. of Marine Geology, Mangalore University),  
 Dr. V. Prasannakumar (Professor (retired) and Emeritus Fellow, University of Kerala),  
 Dr. K. Ganesha Raj, General Manager, RRSC-S, ISRO, Bangalore  
 Shri. Suresh Chandran (Director General (retired), Geological Survey of India, Trivandrum).

#### Publications of the Faculty

Sandeep, K., Shankar, R., Warrier, A.K., Yadava, M.G., Ramesh, R. and Jani, R.A. (2019). Late Holocene palaeovegetational and environmental changes inferred from organic geochemical proxies in sediments from Pookot Lake, southern India. Arabian Journal of Geosciences, v. 12:643, pp. 1-14 (ISSN: 1866-7511).

Sijinkumar A.V., Nagender Nath B., Miriyala P. (2020) Late Quaternary Chronostratigraphy, Carbonate Mass Accumulation Rates and

Palaeoceanography of the Andaman Sea. In: Ray J., Radhakrishna M. (Eds.), The Andaman Islands and Adjoining Offshore: Geology, Tectonics and Palaeoclimate. (pp 289-313), Society of Earth Scientists Series. Springer, Cham

Sreevidya, E., Sijinkumar, A.V. & Nath, B.N. (2019). Aragonite pteropod abundance and preservation records from the Maldives, Equatorial Indian Ocean: Inferences on past oceanic carbonate saturation and dissolution events. *Paleogeography, Paleoclimatology, Palaeoceanography*, 534, 109313, <https://doi.org/10.1016/j.palaeo.2019.109313>.

Sebastian, T., Nath, B.N., Venkateshwarlu, V., Miriyala, P., Prakash, A., Linsy, P., Kocherla, M., Kazip, A. & Sijinkumar A.V. (2019). Impact of the Indian Summer Monsoon variability on the source area weathering in the Indo-Burman ranges during the last 21 kyr – A sediment record from the Andaman Sea. *Paleogeography, Paleoclimatology, Palaeoceanography*, 516, 22-34.

Chandan Kumar Boraiaha., K.B. Joshi, A.C. Kerr, J.K. Padhi, S.S. Mishra, R. Chandan (2020) Field,

petrographic and geochemical characteristics of alkaline complexes in the Cauvery Shear Zone (CSZ), southern India: Implications for petrogenesis. *Journal of Earth System Sciences* 129-111, 1-17; <https://doi.org/10.1007/s12040-020-1369-1>.

Vijith H, V Prasannakumar and Pratheesh P. (2019) Modelling and interpretation of channel profile anomalies through stream length gradient (SL) indexes and GIS: A case study from the Vamanapuram River, Kerala, India, *Environmental Research, Engineering and Management*, Vol. 75(2), pp. 60-73.

#### Ongoing Projects:

Dr. Sijin Kumar is awarded with a project entitled "Investigations on foraminiferal abundance in the late Quaternary sediments of the Bay of Bengal and the Andaman Sea for paleo monsoon reconstruction" funded by SERB-ECR. With sanction Order No.FILE NO. ECR/2017/000818, Dated: 27-Jun-2017, (17-7-2017 to 16-07-2020). Total amount sanctioned for the project is Rs. 35,95,000/-.

Dr. Pratheesh P. was awarded with a Start-up Grant from University Grants Commission, a project entitled "Temporal relation between deformation, metamorphism and mineralization along the Bavani shear zone (BSZ), South India. (2018-2020), Total amount sanctioned for the project is Rs. 10,00,000

#### 6. Projects completed in 2019-20

- Dr. Chandan Kumar B., is awarded with a project entitled "Geology, geochemistry and

geochronology of the Western Ghats Belt (Kudremukh Greenstone Belt), Western Dharwar Craton, India" funded by SERB-ECR. With sanction Order No.ECR/2016/001449, Dated: 2-Mar-2017. Total amount sanctioned for the project is Rs. 33,48,600/-.

Dr. Chandan Kumar B., is awarded with a project entitled "Geoscience Education in Kerala State – Past, Present and the Future" funded by PMMMNMTT-CUK. With sanction Order No.CUK/SoE/PMMMNMTT/MRP/2018-19/406, Dated: 25-Feb-2019. Total amount sanctioned for the project is Rs. 2,00,000/-.

#### Programmes Conducted by the Department

Organized a two days' workshop on "Marine micropaleontology: Sample processing techniques, identification and applications" with the support from Geological Survey of India, Mangalore. Dr. Pratheesh P coordinated and Dr. Sijin Kumar AV acted as Organizing Secretary from 28-01-2020 to 29-01-2020.

Organized One day training workshop on "Flood and landslides in Kerala" with the support from Peoples Forum Kasaragod and KSCSTE. Dr. Sandeep K coordinated and Dr. Sijin Kumar AV acted as Organizing Secretary on 20-09-2019.

#### Students Achievements

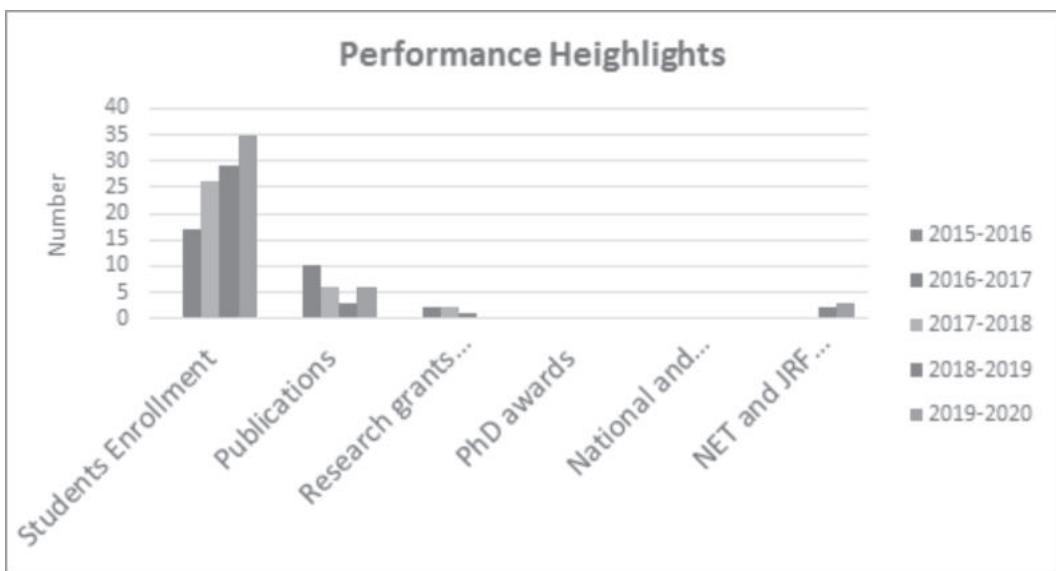
UG/PG Students:NA

Ph.D. scholars:NA

Post-doctoral fellows:NA

#### Analytical data of the Department

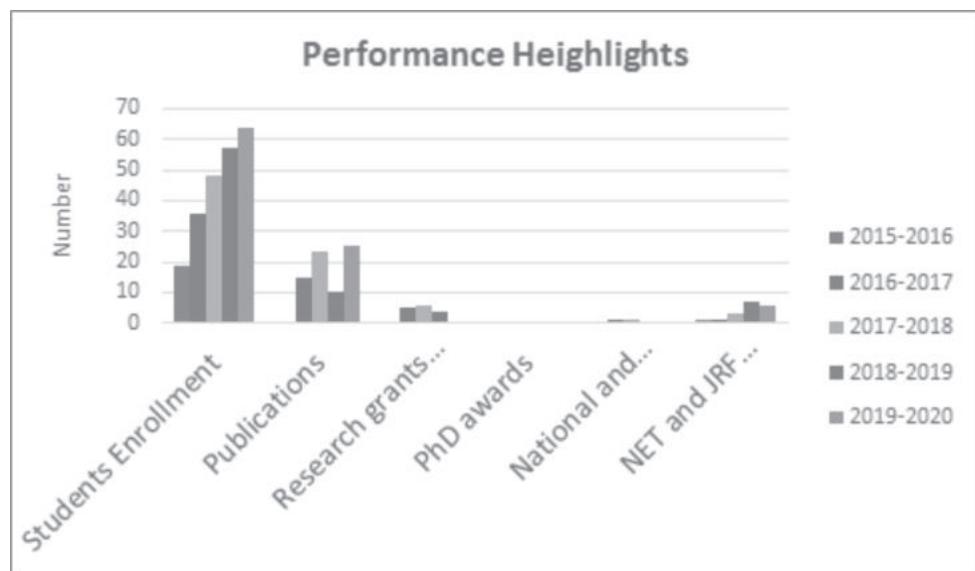
Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	17	26	29	6
2	Publications	-	10	6	3	6
3	Research grants obtained by faculty members in the financial year	-	2	1	1	0
4	PhD awards	-	-	-	-	0
5	National and International events conducted	-	-	-	-	0
6	NET and JRF Qualified	-	-	-	2	3



### **Analytical data of the School of Business Studies**

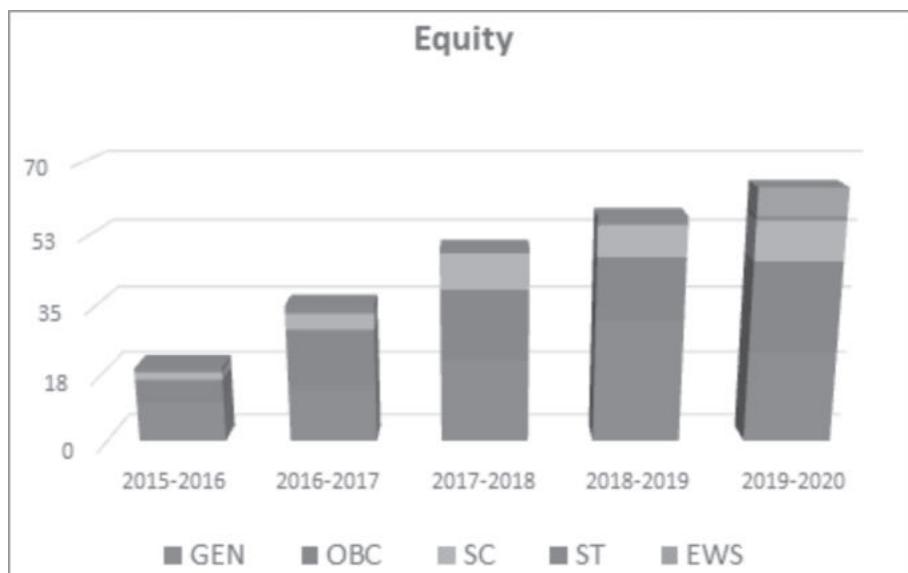
#### **A. Performance highlights**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	19	36	48	57	64
2	Publications	0	15	23	10	25
3	Research grants obtained by faculty members in the financial year	0	5	6	4	0
4	PhD awards	0	0	0	0	2
5	National and International events conducted	0	1	1	0	0
6	NET and JRF Qualified	1	1	3	7	6

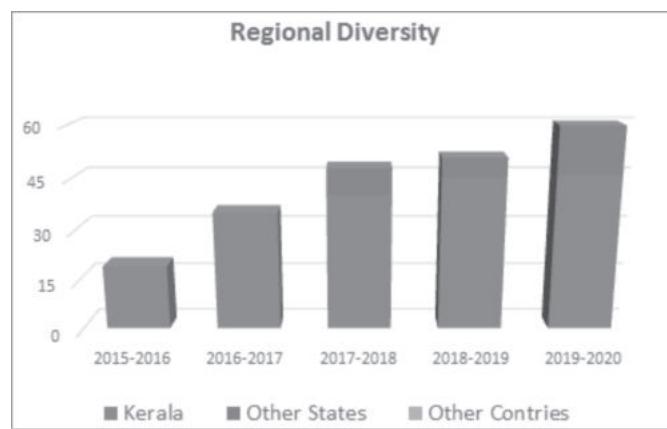


**B. Student equity, diversity and inclusion comparison charts.**

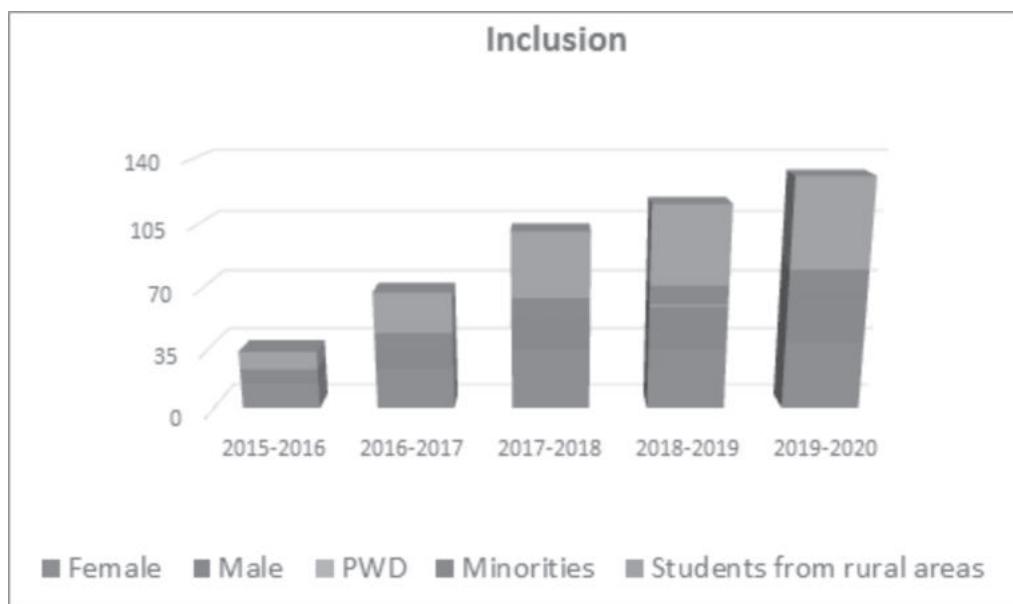
Equity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	10	14	21	31	23
2	OBC	6	15	18	16	23
3	SC	2	4	9	8	10
4	ST	1	2	1	2	1
5	EWS	0	0	0	0	7



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	19	35	40	45	46
2	Other States	0	0	8	6	14
3	Other Countries	0	0	0	0	0



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	15	24	35	35	38
2	Male	4	11	18	24	30
3	PWD	0	0	0	1	0
4	Minorities	4	9	11	11	12
5	Students from rural areas	10	23	37	45	51



## School of Economics

Dean of the School: **Prof. (Dr.) Baiju K.C.**

# Department of Economics

Head of the Department: **Dr. P. Abdul Kareem**

Programmes Offered: **M A & Ph.D**

The Department of Economics is the only department under school of Economics. The Department of Economics is actively engaged in research and teaching activities across various areas of Development Economics. The main aim of this department is to develop economically the backward area of North Malabar Region and also Kerala. The teaching faculties are specialized in various areas such as Local governance, Regional Economics, International trade, energy economics, International finance, demography and population studies, Institutional economics etc. The Department is offering M.A Programme with core economic courses and various elective courses. Also, the Department is offering Ph.D. Programme and the scholars are pursuing research in various important areas of economic development. Now, at present 73 M.A students and 25 Ph.D. Scholars.



<b>Present Faculty Position</b>		<b>Sanctioned</b>	<b>Filled up</b>	<b>Vacant</b>	<b>Total</b>
Posts					
Assistant Professor	4	4	0	4	
Associate Professor	2	2	0	2	
Professor	1	0	1	1	
<b>Students Enrolment</b>					
2018 20 Batch	10	04	03	17	01 (Gen)
2019-21 Batch	14	02	04	15	01(Gen)
Ph.D.	04	04	01	16	00
				00	25
				00	25
				19	19
				06	06

#### Faculty Details

Prof.(Dr.) K C Baiju, Professor

Specialization : Development Economics ,Public Policy and Economics Planning, Decentralized Planning and local governance

Dr.P Abdul Kareem, Associate Professor

Specialization :International Economics

Dr.Anver Sadath C, Assistant Professor

Specialization : Financial Economics, Macroeconomics, Energy and Environmental Economics

Dr. T J Joseph, Assistant Professor

Specialization : International Economics, Industrial Economics, Development Economics

Dr.Syam Prasad, Assistant Professor

Specialization : Development Economics, Health Economics

Dr.V Nagaraj, Assistant Professor

Specialization : Institutional Economics, Environmental Economics

#### List of Member of Board of Studies:

##### Chairperson

Dr.P Abdul Kareem Head, Department of Economics

##### Internal Members

Prof.(Dr.) K C Baiju

Dr.Syam Prasad

##### External Members

Dr. Harikumar, Professor & Head, Department of Economics, Cochin University of Science & Technology (CUSAT), Kochi-682 022

Dr.Manju S Nair, Associate Professor, Department of Economics, University of Kerala, Kariavattom(PO), Trivandrum-695 581

Dr. J A Arul Chellakumar, professor &Head.Dept.of Economics, Bharatidasan University of Khajamalai Camps, Trichinapally-620 023

Dr.Viswanath, Professor, Department of Economics, University of Mangalore,

Publications of the Faculty (in the latest APA referencing style)

Dr. Baiju, K. C. and Shamna T C, (2019). Determinants of Wage Differences between the Inmigrant and Local Labourers in the Construction Sector of Kerala, Economic & Political Weekly, 54 (31), 35-43. (Documented in policy documents NITI Aayog August 2019)

Dr. P Abdul Kareem, Indian multinational corporations and Technology transfer: Prospects and Determinants, Journal of Business and Economic Policy, Vol. 7 No.1, March 2020.

Dr. Joseph T J and Muhammedali K.A. (Research Scholar)Manufacturing Sector in India; An Analysis in the Pre and Post Economic Crisis of 2007-08.Think India Journal,Vol-22-Issue-14,-2019, pp. 1913-1927, [Dec 2019] ISSN:0971-1260.

Dr. Anver Sadath C, Energy Poverty and Economic Development: Household-level Evidence from India, Energy and Building, 183, 785-791

Economic Growth and Environmental Degradation: How to Balance Interests of

Developed and Developing Countries,, Economics and Policy of Energy and Environment (forthcoming).

Dr. V.Nagaraj. (2020). "Factors Discriminating Entitlements to Water Supply: Empirical Evidence from Urban Household Survey in Cuddalore District, Tamil Nadu, India." IASSI Quarterly, Vol. 39 (2): 266-288.

#### Ongoing Projects:

Dr. Baiju, K. C, Socio- Economic and Working Conditions of Women Labourers in the Organized and Unorganized Sectors of Kerala: An Exploratory Study interfaced with Promotional and Protective Measures, ongoing Major Research Project sponsored by Women's commission Government of Kerala.

#### Projects completed in 2019-20

Dr. Joseph TJ, Transfer of Property Rights on Land and its impact on Agricultural Production in Kerala funding agency is Inter University Centre for Alternative Economics, IUCAE, Kerala University. Sanctioned amount of Rs.10,0000/- two research students are engaged in this project.

Programmes Conducted by the Department International Conference on Sustainable Development and Education, organized by the Department of Economics, Central University of Kerala, Kasaragod, during 5-6 March, 2020.

Union Budget discussion 2019 was conducted in the Department, coordinated by Prof. K C Baiju, in March 2020.

#### Other Activities by Faculty members

Dr. Joseph TJ Dissemination Seminar of Short-term research project on "Transfer of property rights on land and its impact on agricultural production in Kerala" 17th June, 2019. Inter University Centre for Alternative Economics (IUCAE), Department of Economics, Kerala University, Thiruvananthapuram

Dr. Joseph TJ Presented a paper on "The Validity of Twin Deficit in Indian Economy: An ARDL Approach", (co-authored with

Aneesmon C.) in the 56th Annual Conference of the Indian Econometrics Society (TIES). 8-10 January 2020 School of Economics, Madurai Kamaraj University, Madurai.

Dr. Joseph TJ Delivered a talk on "Union Budget 2020", in the Multi-Disciplinary Seminar Series FOCUS 2020 7th February, 2020. parent Teacher Association & Internal Quality Assurance Cell, Sree Narayana College, Kannur.

Dr. Joseph TJ Delivered a lecture on "Using SPSS for Data Entry, Data Analysis and Descriptive Statistics", in the ICSSR (SRC) and Central University of Kerala sponsored Three-day Workshop on Research Methodology for Social Sciences (SPSS & R Software)' 12-14 February, 2020. Department of Public Administration and Policy Studies, Central University of Kerala, Kasaragod.

Dr. Joseph TJ Presented a paper on "Agriculture land transactions and sustainability of agricultural production in the High-ranges of Kerala", in the 29th Swadeshi Science Congress 27-29 February, 2020. ICAR-Central Planation Crops Research Institute (CPCRI), and Central University of Kerala, Kasaragod

Dr. Joseph TJ Chaired a Session on 'Macro and Industrial Economics' during the Two-day International Conference on Sustainable Development and Education 5-6 March, 2020 Department of Economics, Central University of Kerala, Kasaragod.

#### Dr. Anver Sadath C

##### Conference papers

Is Macroeconomic Effect of Oil Price Shocks Asymmetric? Evidence from India, Annual conference of The Indian Econometric Society, Madurai Kamaraj University, 8-10, January 2020.

Is Economic Slowdown Structural or Cyclical? National Conference, Department of Economics, Govt. College, Trivandrum, February, 2020

##### Conference organized

- An international conference on Education and Sustainable Development was organized during 6-7, March 2020

### MOOC Refresher Course

Successfully completed MOOC refresher course on Curriculum, Pedagogy and Evaluation for Higher Education offered by Department of Education, CUK.

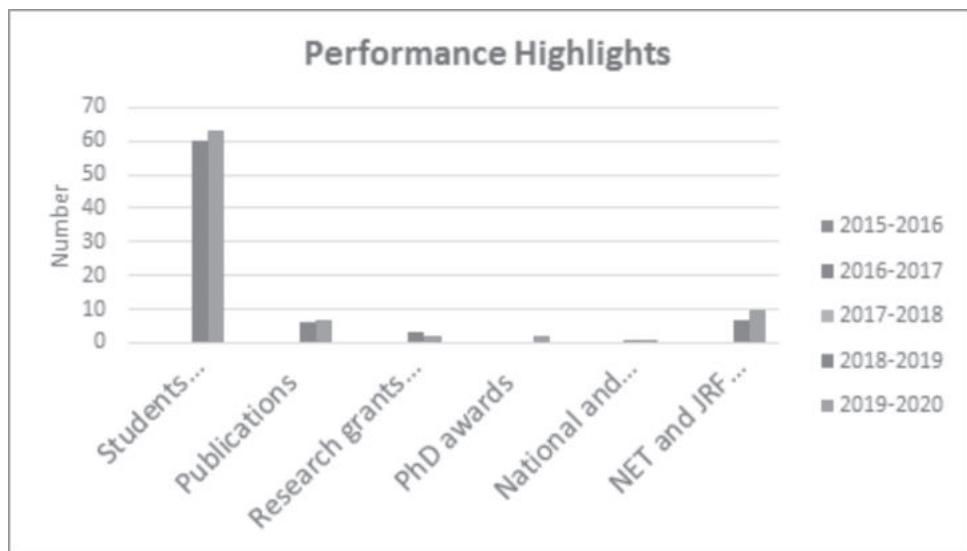
### Dr. V Nagaraj

Acted as resource person in Symposium on "Union Budget 2020: Governance, Ease of Living and Financial Sector" Organised by Periyar Govt. Arts and Science College on 25th February 2020, Cuddalore, Tamil Nadu.

Presented a paper entitled " Trajectory of Institutions and Rural Development in India in International Conference on Sustainable Development and Education held during 5<sup>th</sup> and 6<sup>th</sup> March, 2020, Dept. of Economics, CUKerala.

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	-	-	60	63
2	Publications	-	-	-	6	7
3	Research grants obtained by faculty members in the financial year	-	-	-	3	2
4	PhD awards	-	-	-	0	2
5	National and International events conducted	-	-	-	0	0
6	NET and JRF Qualified	-	-	-	7	10



## School of Education

Dean of the School: **Prof. (Dr.) M.N Mohamedunni Alias Musthafa**

# Department of Education

Head of the Department: **Dr. Amruth G. Kumar**

Programmes Offered: **Master of Education (M.Ed.), Ph.D.**

The Department of Education, under the School of Education was established in the year 2015 and is intended to develop a cadre of professionally qualified teacher educators to meet the needs and challenges of the Knowledge Society across the globe. The Department aims to promote pedagogical researches and intends to reform the teacher education programmes in the country. The Department endeavours to achieve excellence by facilitating quality based innovations in all areas of teaching learning processes. The Department emphasizes a paradigm shift to personalized instruction, multiple learning strategies and learner-centric classroom environment. The thrust areas of research include Environmental Education, Education for Sustainable Development, Instructional Designs, Curriculum Innovations, Web-Based Instruction, Inclusive Education, Value Education, Yoga Education and Multicultural Education.

The Department of Education has been awarded the MHRD's prestigious flagship programme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) under the School of Education, Centre for Curriculum Research, Policy and Educational Development (CCRPED) and Centre for Life Skills in Education are also functioning.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total			
Posts								
Assistant Professor		04	04	-	04			
Associate Professor		02	02	-	02			
Professor		01	01	-	01			
<b>Students Enrolment</b>								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Ed.	26	05	04	23	00	58	10	48
PhD	06	01	02	15	01	25	11	14

### **Faculty Details**

Dr. K P Suresh, Professor & Head

Specialization : Social Science Education, Techniques of Evaluation and Test construction, Psychometry, Teacher Education, Environmental Education

Prof. (Dr.) Amruth G Kumar, Professor

Specialization : Critical Theory in Education, Educational Psychology, Economics of Education

Prof. (Dr.) Mohamedunni Alias Musthafa, Professor

Specialization : Science Education, Teacher Education, Psychological Perspectives of Education, Research methodology, Environmental Education, Distance Education

Dr. V P Josith, Assistant Professor

Specialization : Research Methodology & Advanced Educational Statistics, Educational Technology & ICT in Education, Psychometrics, Science Education

Dr. Mary Vineetha Thomas, Assistant Professor

Specialization : Science Education ICT in education Cooperative Learning Open Educational Resources

Dr. Thiyyagu K, Assistant Professor

Specialization : Mathematics Education ICT in Education Research Methods and Statistics

Dr. Vanitha C, Assistant Professor

Specialization : Social Science Education, Special Education

List of Member of Board of Studies:

Chairperson:

Dr. Amruth G Kumar, Head: Chairperson

Members:

Prof. (Dr.) K P Suresh, Professor and Dean

Dr. M N Mohamedunni Alias Musthafa,

Associate Professor

Dr. K Thiyyagu, Assistant Professor

Prof. (Dr.) Manjula P Rao, Professor, Dept. of Education, RIE, Mysore

Prof. (Dr.) HaseenTaj, Professor, Dept. of Education, Bangalore University

Prof. (Dr.) Usha P, Professor, Dept. of Education, University of Calicut

Prof. (Dr.) Mumthaz Begum, Professor, Dept. of Education, Pondicherry University

Publications of the Faculty

Prof. (Dr.) M N Mohamed Unni Alias Musthafa

Journal (multiple authors):

Musthafa, M.A. & Stephen, R (2019). Synchronizing Quantitative and Qualitative Technological Expansion for Calibrating Quality Research Culture in Education. International Journal of Innovative Knowledge Concepts (IJIKC).7(5), 1004-1008

Musthafa, M.A. & Stephen, R (2019). Education of the Marginalized; In the Context of Policy Initiatives for Universalization of Elementary Education. International Journal of Research in Social Sciences. 9 (7), 723-731

Varghese, Jijo., Mohamedunni Alias, Musthafa (2020). Precursors of Learning Resistance among 21st century Learners. Studies in Indian Place Names, 40(50), 3513-3520.

Shareef, N, Musthafa, M ((2019)). Psychological Deprivation among orphans: learning from the field: International journal of emerging technologies and innovative

research, 6(6), 798-800.,

Prof. (Dr.) Amruth G Kumar

Economic Interest of Online Education – Kerala Sociologist Vol.47 No. II December 2019, ISSN0975-8933

Dr. Vanitha C

Abeera. C. A., and Vanitha. C. (2019). A Review of Rights of Persons with Disability Act 2016 with Special Focus to the Provisions for Capacity Enhancement of Children with Disabilities. International Journal of Research Culture Society, 3(11), 18 - 22.

Anjali Rajeevan., and Vanitha. C. (2020). Assistive Technology Facilities for the Students with Intellectual Disability in The Buds Special Schools in Kannur District of Kerala. Studies in Indian Place Names, 40(60), 2318 – 2328. (UGC Care Journal), Impact Factor: 6.3. ISSN 2394-3114.

Anjali Rajeevan., and Vanitha. C. (2020). Information and Communication Technology Facilities for the Students with Special Needs in the Inclusive Setup in Kannur. Studies in Indian Place Names, 40(50), 4858 – 4869. (UGC Care Journal), Impact Factor: 6.3. ISSN2394-3114.

Full paper published in the proceedings of Conference

Abeera. C. A., and Vanitha. C. (2019). An Analysis of the Right to Education Act 2009 with special reference to the Provisions regarding the Children with Intellectual Disabilities. Paper presented in the National Seminar on Academic Accommodation of the Children with Special Needs- Trends, Challenges and Policies, NSS Training College, Ottappalam, held on 28th – 29th, May. Pg 1- 4. ISBN- 978-81-924710-1-3.

International conference

Abeera. C. A., and Vanitha. C. (2020). Democratic aspects in right to education act 2009 with special focus to the educational provisions for children with disabilities. Paper presented in the International Conference on Education in The Twenty First Century Education at RIE Bhubaneswar, Feb 21-23, 2020.

Ongoing Projects:

Dr. Vanitha C, Assistant Professor, Department of Education

Research Project entitled "Curriculum offered for the students with intellectual disabilities in the special schools of Kasaragod" has been sanctioned by the Centre for Curriculum Research Policy and Educational Development, PMMMNMTT, School of Education, Central of University of Kerala. Total amount sanctioned is Rs.1,35,000/-.

Projects completed in 2019-20

Dr. Mary Vineetha Thomas completed the Minor Research Project from ICSSR entitled "Awareness and Attitude towards Electronic Waste and its Management among Post Graduate Students in Kerala" worth Rs.2,00,000/-.

Dr. Mary Vineetha Thomas completed the Minor Research Project entitled "Life Skills Education Programme of the CBSE Curriculum: A Critical Evaluation" worth Rs.2,00,000/- under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Kerala.

Dr. Josith. V. P completed the project entitled "Open Educational Resources (OER) and Massive Open Online Courses (MOOC) for Professional Development of Secondary Teachers: Design and Development of an E-Learning Courseware" funded by ICSSR, the total amount sanctioned for the project was 8 Lakhs.

Dr. Josith. V. P completed the project entitled "Open Educational Resources Courseware for Teaching Chemistry at Higher Secondary Level" funded by PMMMNMTT, CUK, the total amount sanctioned for the project was 2 Lakhs.

Programmes Conducted by the Department Discussion on Draft National Education Policy 2019 by the PhD Scholars was organized by the department on 16th July 2019.

The Department of Education felicitated the UGC-NET holders in a function organized on 19th July 2019.

The first Alumni Meet and Teacher Quotient Programme was organized by School of Education Alumni Association (SEAA) on 09th November 2019.

Celebrated National Education Day in a Grand function organized by the Department on 11th November 2019. Honourable Vice Chancellor of CUK, Prof. (Dr.) G. Gopakumar, inaugurated the programme and Prof. Pankaj Arora, Delhi University delivered key note address.

#### Students Achievements

##### UG/PG Students:

Two Students of the Department has qualified JRF and Eighteen Students have qualified UGC NET in the examination. The students who have brought laurels to the Department are:

##### UGC JRF

Souri Majumder (JRF)(2018-20 Batch)

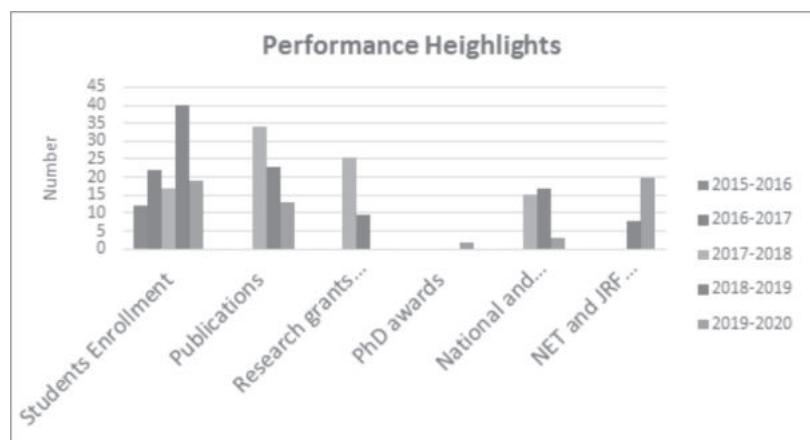
##### UGC NET

AkanshaSaini (NET) (2018-20 Batch)

Aswathi (NET) (2018-20 Batch)

#### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	12	22	17	40	19
2	Publications	0	0	34	23	10
3	Research grants obtained by faculty members in the financial year (in Lakhs)	0	0	25.5	9.35	0
4	PhD awards	0	0	0	0	2
5	National and International events conducted	0	0	15	17	3
6	NET and JRF Qualified	0	0	0	8	20



AyshathAbidha A(NET) (2018-20 Batch)  
 Jeena K V (NET) (2018-20 Batch)  
 Kavitha E (NET) (2018-20 Batch)  
 Malini K (NET)(2018-20 Batch)  
 Manoj Kumar Dewtwal(NET)(2018-20 Batch)  
 Nirmala A (NET)(2018-20 Batch)  
 Sharaniya B (NET)(2018-20 Batch)  
 Shreevidya N S Bhat(NET)(2018-20 Batch)  
 Smitha A (NET)(2018-20 Batch)  
 Soorya Narayanan (NET)(2018-20 Batch)  
 Swathi M (NET)(2018-20 Batch)  
 Ramdas(NET) (2016-18 Batch)

Ph.D. scholars:

UGC JRF

Shiba Khatoon

UGC NET

Dinesh G

Sonu Singh Kushwaha

Sidhique Aslam (Reg No: EME071702) Ph.D. Scholar of the Department represented the 15-member Indian youth delegation that participated in the 5th BRICS Youth Summit from 17-20 October 2019 in Brazil.

### **Centre for Curriculum Research Policy and Educational Development (CCRPED)**

Centre for Curriculum Research Policy and Educational Development (CCRPED) is a research centre under PMMMNMTT, SoE. The Centre promotes pedagogical research and endeavours to achieve excellence by facilitating quality teacher education. The instructional strategies of the department focus on personalized instruction, multiple learning strategies and learner centric classroom environment. The Department of Education is organising various academic and research programmes for the faculties at different level under the centre. Personalised skill based training is provided in the department to meet the challenging roles of teacher educators in the 21<sup>st</sup> century.

Programmes conducted by CCRPED In the 2019-20 Academic Year.

Research Methodology Course on Educational Research Methods & Data Analysis Using IBM SPSS, AMOS & 'R' under PMMMNMTT, SoE was held on 3rd April 2019 to 9th April, 2019 at School of Education at Central University of Kerala.

Centre for Curriculum Research Policy and Educational Development (CCRPED)

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Programmes conducted by CCRPED In the 2019-20 Academic Year.

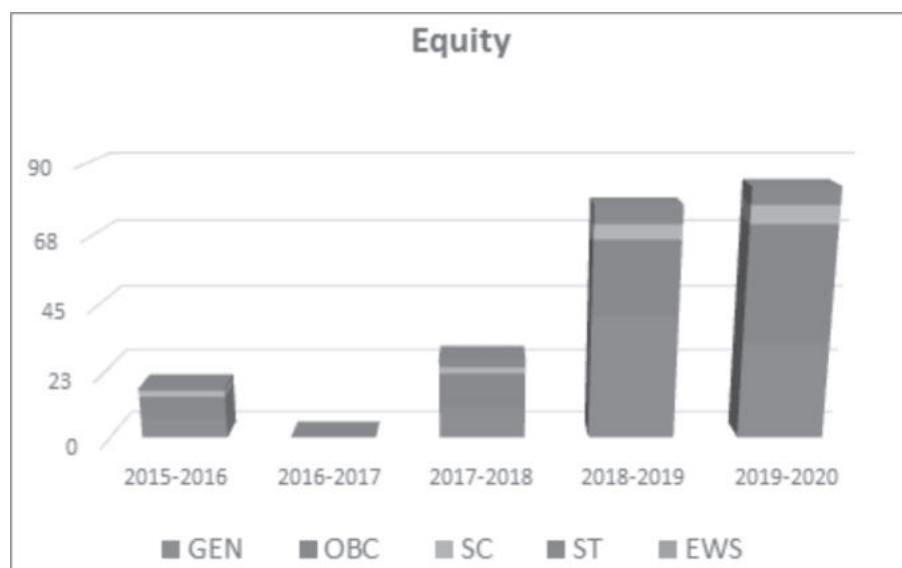
Research Methodology Course on Educational Research Methods & Data Analysis Using IBM SPSS, AMOS & 'R' under PMMMNMTT, SoE was held on 3rd April 2019 to 9th April, 2019 at School of Education at Central University of Kerala.

3rd Induction Training Programme for Teachers working in Universities/Colleges/Institutes was held from 23<sup>rd</sup> September to 22<sup>nd</sup> October 2019.

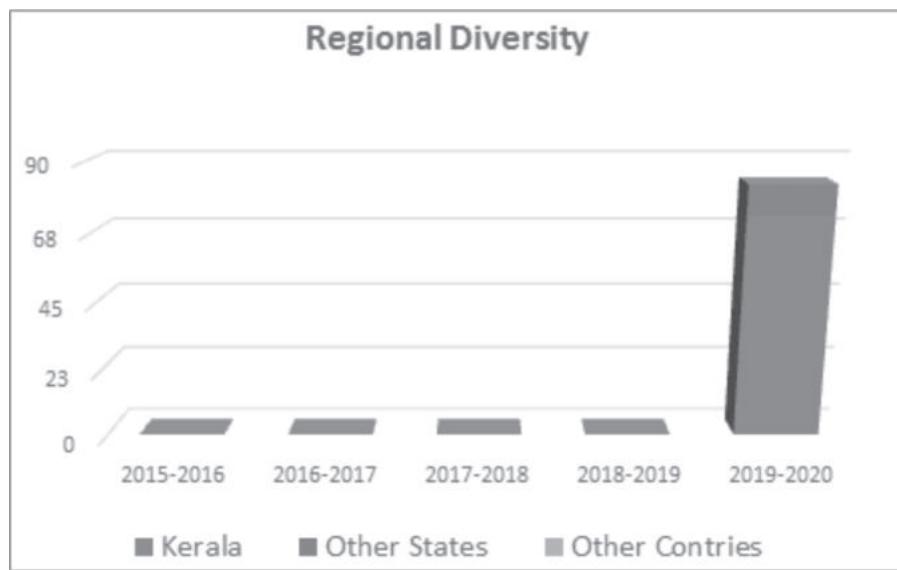
National Conclave on "Draft National Education Policy 2019" organized by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education at Central University of Kerala on 30th July, 2019.

### **Analytical data of the School of Education**

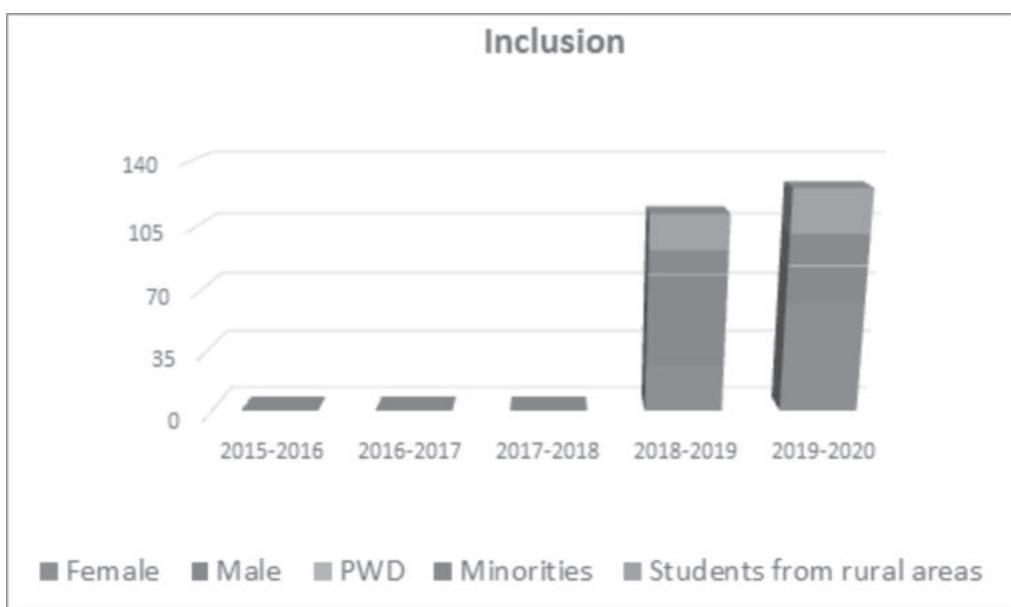
Equity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	6	0	10	41	32
2	OBC	8	0	12	25	39
3	SC	2	0	2	5	6
4	ST	1	0	3	6	6
5	EWS	0	0	0	0	0



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	-	-	-	-	73
2	Other States	-	-	-	-	10
3	Other Countries	-	-	-	-	-



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	0	0	0	26	62
2	Male	0	0	0	52	21
3	PWD	0	0	0	1	1
4	Minorities	0	0	0	13	17
5	Students from rural areas	0	0	0	20	25



## School of Global Studies

Dean of the School: **Prof. (Dr.) K. Jayaprasad**

# Department of International Relations and Politics

Head of the Department: **Prof. (Dr.) K. Jayaprasad**

Programmes Offered: **MA & Ph.D**

The Department of International Relations & Politics, a vibrant and growing entity of the school of Global Studies (SGS), Central University of Kerala, offers matchless opportunities for higher learning in international law, diplomacy, defense studies, national/international security, diaspora studies, public policy, constitutionalism, global governance, decentralized planning, administration, environmental sustainability, gender and human rights. The department has an interdisciplinary approach to the study of international relations and the curriculum includes a wide spectrum of courses such as Theories of International Relations, Research Methodology, Security and Strategic Studies, Foreign Policy Analysis, International Political Economy, International Law, Diplomacy, Defense Studies, International Security, International Organization.



<b>Present Faculty Position</b>									
Posts	Sanctioned			Filled up		Vacant		Total	
Assistant Professor	4			4		0		4	
Associate Professor	2			2		0		2	
Professor	1			1		0		1	
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
M. A.	6	2	1	25	1	1	36	12	24
Ph. D.	3	4	2	3	1	1	14	10	4

### **Faculty Details**

Prof. (Dr.) K. Jayaprasad, Professor & Head, Dean SGS

Specialization : Political Thought, State Politics

Prof.(Dr.) M. S. JohnM.Phil., Professor

Specialization : International Relations, Peace Studies

Dr. P C Prasanna Kumar, Associate Professor

Specialization : Public Administration, Development Studies, Decentralisation

Dr. Reinhart Philip, Assistant Professor

Specialization : International Political Economy, Human Rights, Indian Constitution

Dr. Gilbert Sebastian, Assistant Professor

Specialization : Political Studies, Political Economy

Dr. Lal Ji Pal, Assistant Professor

Specialization : International Relations, Russia and Central Asia

Dr. Uma Purushothaman, Assistant Professor

Specialization : International Relations, US Foreign & Domestic Policies

List of Member of Board of Studies:

Prof. K. Jayaprasad, Chairman

Prof. M.S. John, Member

Dr. P.C. Prasanna Kumar, Member

Dr. Reinhart Philip, Member

Prof. M.J. Vinod, External Member

Prof. Aravind Kumar, External Member

Prof. Rahul Tripathi, External Member

Prof. Pavithran K, External Member

Publications of the Faculty

Prof. K. Jayaprasad

Books

K. Jayaprasad (Eds.). (2019). Kerala NavodhanamDishayumDishabodhavum, Thiruvananthapuram: Mahatma Ayyankali Centre for Kerala Studies.

K. Jayaprasad (Co-author) (2020). India's Energy Security Challengers and Concerns, New Delhi: Gyan Books.

K. Jayaprasad (2020). Narendra Modi: Restructuring

the Foreign Policy ObjectivesInSudhir Singh (Eds.) India's Foreign Policy Modi 2.0, New Delhi: Pentagon Press.

K. Jayaprasad (2020). Look East to Act East: The Changing Dimensions of India's Foreign Policy under Narendra ModiInSudhir Singh (Eds.) New Delhi: Pentagon Press.

Journal Articles

K. Jayaprasad (Co-author) (2019). Dynamics of India's Energy Security: Implications on Environment and Society.South Asian Journal of Socio-Political Studies(SAJOSPS), July-December, 0972-4613.

Prof. M.S. John

John M.S. (2019). Mahatma Gandhi. Kottayam: SPCS.

John M.S. (2019). Gandhi at 150: Green Movements have Gandhian Streak. Down to Earth.

John M.S. (2019). Mahatma Gandhi and the Environment. Terragreen.

Dr. Uma Purushothaman

Proceed with Caution: India's Approach to China's One Belt One Road and Other Cooperation Ideas in the Region In Alexander Lukin (Eds.) Roads and Belts of Eurasia (pp. 103-127). Singapore: Palgrave Macmillan.

Locating the Maldives in Modi's World In Vijay Sakhija (Eds.) Pentagon Yearbook South Asia Defence and Strategic Perspective 2020 (pp. 100-111). New Delhi: Pentagon Press.

Challenges to Global Governance: Can the Asian Giants Show the Way? In Leonid Grigoryev and Adrian Pabst (Eds.), Global Governance in Transformation: Challenges for International Cooperation (pp. 117-127). Cham: Switzerland.

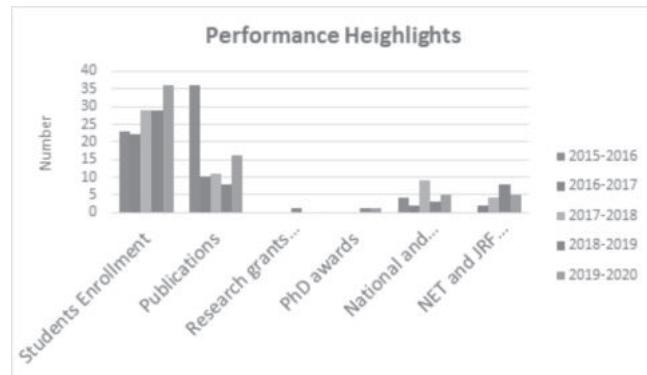
Projects completed in 2019-20

Reinhart Philip, Political Metamorphosis of Karma Yoga: The Contemporary Relevance of the Socio-Political Philosophy of Swami Vivekananda, ICSSR, Rs. 2.5 Lakhs

Programmes Conducted by the Department  
Workshop on "Social Science Research"

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	23	22	29	29	36
2	Publications	36	10	11	8	16
3	Research grants obtained by faculty members in the financial year	0	0	0	1	0
4	PhD awards	0	0	0	1	1
5	National and International events conducted	4	2	9	3	5
6	NET and JRF Qualified	0	2	4	8	5



coordinated by Reinhart Philip from 22.01.2020 to 23.01.2020.

National Conference on "Constitution and Democracy: 70 Years of Indian Experience" coordinated by Prof. M.R Biju and Reinhart Philip from 26.11.2019 to 27.11.2019

Distinguished Lecture on "Looking West: India's Relations with West Asia," Sponsored by Public Diplomacy Division, Ministry of External Affairs, Govt. of India on 10 October 2019.

#### Other Achievement by the Faculty

Prof. K. Jayaprasad was elected as Vice-President, Rasthiya Samaj Vigyan Parishad (RSVP), New Delhi at its 4th annual conference held at Tumkur University, Karnataka, on 15.12.2019.

#### Students Achievements

PG Students: Shabnam Toppo, a first year student cleared UGC NET examination.

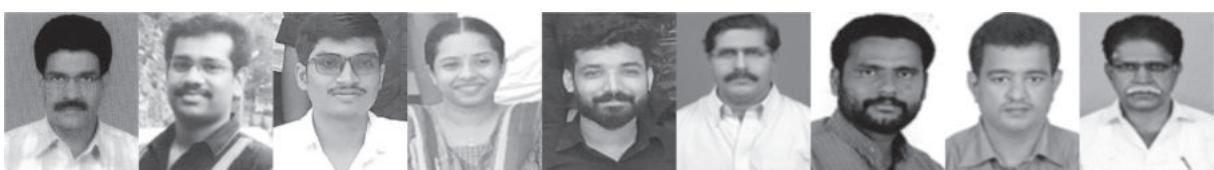
Ph.D. scholars : Mrs. Aleena Thomas has been awarded PhD in International Relations & Political Science for the thesis entitled India's Quest for Energy Security: Challenges and Policy Options in 15 October 2019.

# Department of International Relations, Capital Centre

Head of the Department: **Dr. P. C. Prasanna Kumar**

Programme Offered: **BA Programme in International Relations**

The Department of International Relations, Capital Centre, Thiruvananthapuram is located conveniently within city limits, just 5 kms from the Central Railway Station and 6 kms from the International Airport. Housed in the BSNL building sprawling 9000 sq. feet, it is accessible on foot from Pattom Junction. Inaugurated on 4<sup>th</sup> January 2014 by Dr. Manmohan Singh, the then Prime Minister of the Nation, the Capital Centre offers India's first ever graduate programme in International Relations. The department maintains an impressive student to teacher ratio of 7.33:1 which is proof for the attention that each student receives from the faculty. The department has student-friendly smart classrooms and a fully equipped audio-visual studio hall with a capacity to seat one hundred students at a time. The Centre also provides separate hostel facility for boys and girls. Both hostels are easily accessible from the department and are located in residential areas, offering comfortable accommodation and a peaceful ambience for students to pursue their academics. The University observes almost all days of national and international importance and has active committees that conduct discussions, debates, quizzes and even programmes outside the campus.



<b>Present Faculty Position</b>									
Posts	Sanctioned	Filled up			Vacant		Total		
Assistant Professor	2	--			--		--		
Associate Professor	2	--			--		--		
Professor	--	--			--		--		

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
B.A IR	43*	11	03	56	--	02*	113	51	62

\*out of this, two are EWS category.

### **Faculty Details**

Dr. P.C. Prasanna Kumar, Associate Professor

Specialization : Comparative Politics, Public Administration, Local Governance & Rural Development

Sri. Sujith R, MA, NET, Guest Faculty

Dr. P.Sanal Kumar, PhD, Guest Faculty

Sri. Ramesan Nair, Mphil, Guest Faculty

Mr.Hemanth V L, MA, NET, Guest Faculty

Ms. Deepthikrishna D, MA, NET, Guest Faculty

Mr Mohammed Ismail, MA, NET, Guest Faculty

Dr. Ardra N G, PhD, Guest Faculty

Dr. Aneesha P Mohan, PhD, Guest Faculty

### **List of Members of Board of Studies**

Dr. P C Prasanna Kumar, Chairman

Prof. Mohanan B Pillai, External Member

Prof. R Suresh, External Member

Prof. P L Dharma, External Member

Prof. M J Vinod, External Member

Prof. K Jayaprasad, Member

Dr. Reinhart Philip, Member

### Programmes Conducted by the Department

Sri. Perumbadavam Sreedharan, the famous novelist in Malayalam, made a special lecture and in this function the poetic collection of Ms. Vrunda Krishnan (Student S-IV-B.A IR) "Vrundayude Kavithakal" was released by Sri. Perumbadavam Sreedharan. This function was presided over by Dr. P C Prasanna Kumar, Head of the Department, Capital Centre.

Human Rights Day celebration at Capital Centre was inaugurated and a Special Lecture was delivered on the topic "Human Rights and Right to information" by Sri. Vinson M Paul, Chief Information Commissioner, Kerala State.

The function was co-ordinated by Dr. P C Prasanna Kumar, Head of the Department

The Department of International Relations, Capital Centre, conducted Hindi week Celebrations from 09.12.2019 to 12.12.2019. Seminars on Comparative Literature and Competition for students- (Hindi Calligraphy, Hindi poetry writing, Hindi recitation, Hindi essay writing, Hindi Elocution, Hindi slogan writing) were held. The Inaugural session was presided over by Dr. P.C Prasanna Kumar, Head of the Department, Capital Centre, CUK. Prof. (Dr.) N Raveendranath, former Vice Chancellor, M.G University inaugurated the Hindi Week -2019. Dr. P Sanal Kumar, Faculty in Hindi, Capital Centre addressed the gathering.

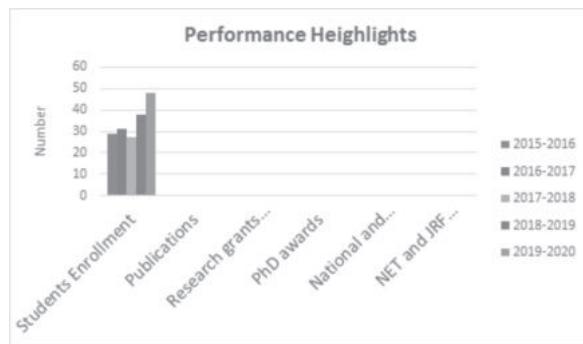
### Students Achievements

#### UG/PG Students:

Two students of the IV semester B.A participated in Asia World Model United Nations held at Indonesia in November 2019.

### Analytical data of the Department

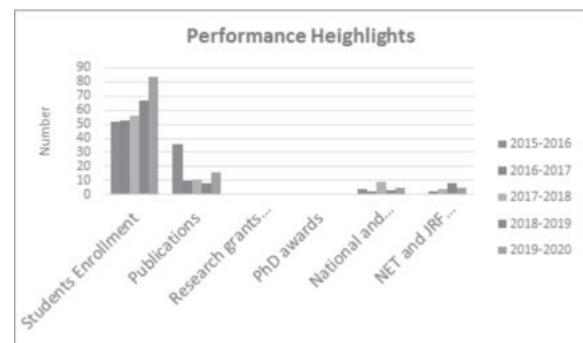
Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	29	31	27	38	48
2	Publications	0	0	0	0	0
3	Research grants obtained by faculty members in the financial year	0	0	0	0	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	0	0	0	0	0
6	NET and JRF Qualified	0	0	0	0	0



### Analytical data of the School of Global Studies

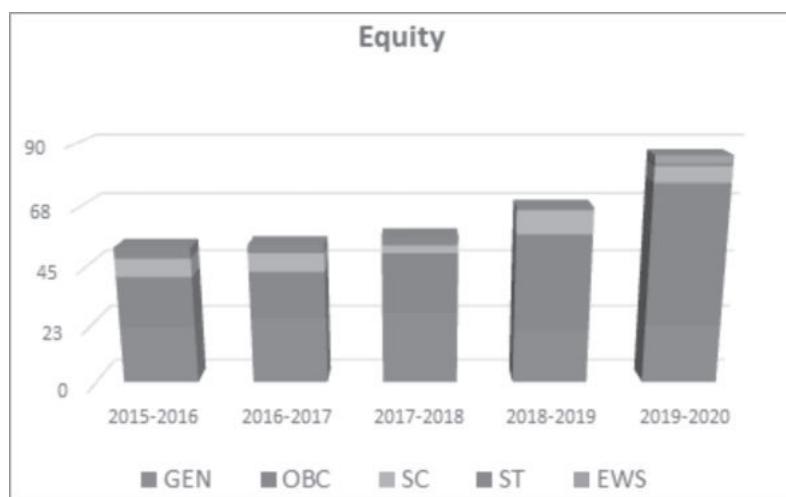
#### A. Performance highlights

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	52	53	56	67	84
2	Publications	36	10	11	8	16
3	Research grants obtained by faculty members in the financial year	0	0	0	1	0
4	PhD awards	0	0	0	1	1
5	National and International events conducted	4	2	9	3	5
6	NET and JRF Qualified	0	2	4	8	5

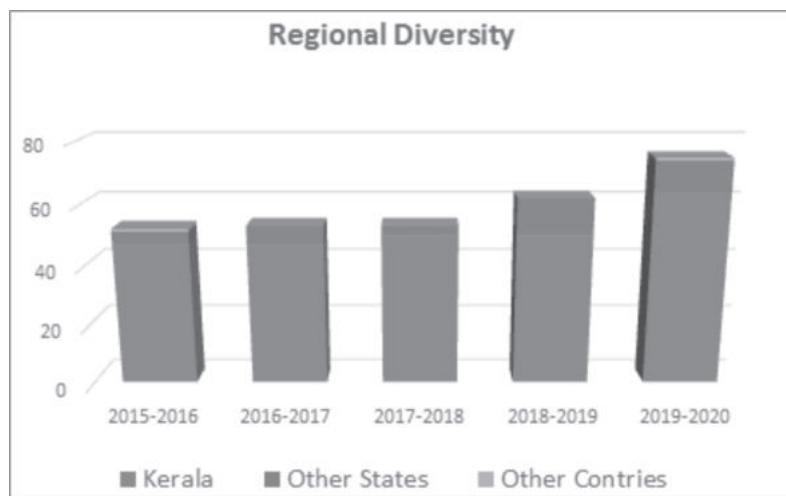


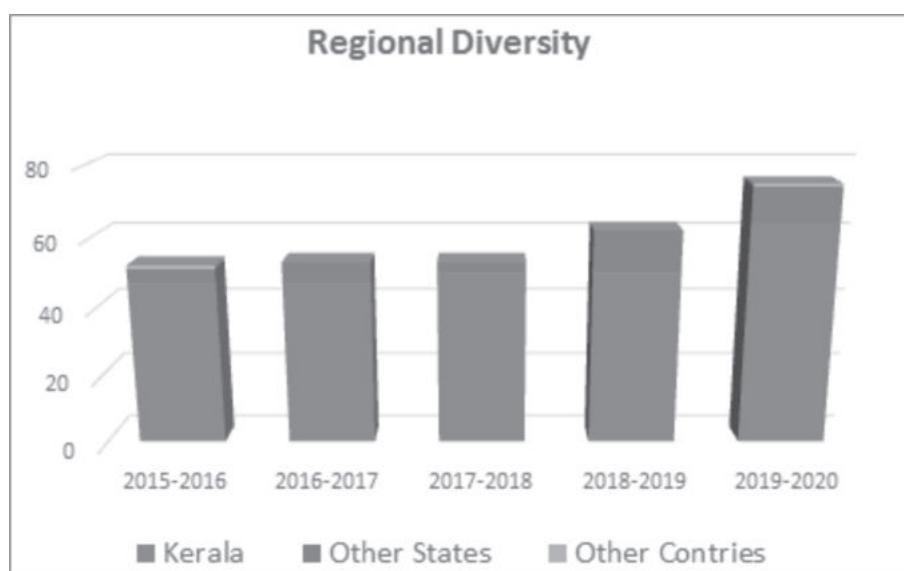
**B. Student equity, diversity and inclusion comparison charts.**

Sl.No	Category	Equity				
		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	21	25	27	20	22
2	OBC	20	18	23	37	54
3	SC	7	7	3	9	6
4	ST	4	3	3	1	1
5	EWS	0	0	0	0	3

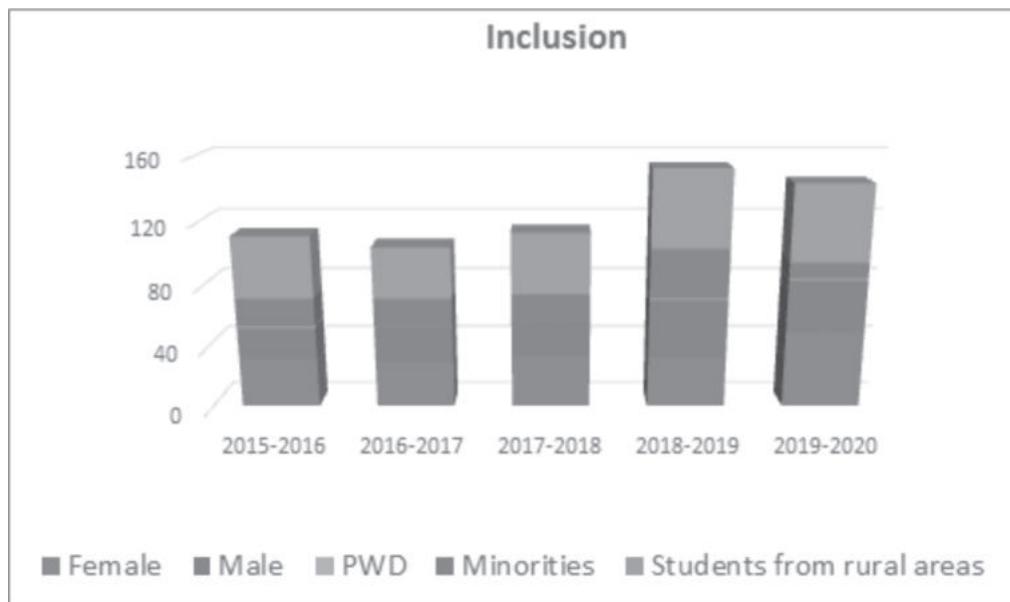


Sl.No	Category	Regional Diversity				
		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	47	47	50	50	64
2	Other States	4	6	3	12	10
3	Other Countries	1	0	0	0	1





Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	31	29	33	32	49
2	Male	21	24	23	38	34
3	PWD	1	0	0	1	1
4	Minorities	18	18	18	32	10
5	Students from rural areas	40	33	39	50	50



## School of Languages and Comparative Literature

Dean of the School: **Prof. (Dr.) Ajith Kumar N**

# Department of English & Comparative Literature

Head of the Department: **Dr. Vellikkeel Raghavan i/c**

Programmes Offered: **M.A and Ph. D.**

The Department of English and Comparative Literature (DECL) was established on 12 October 2009 under the School of Languages and Comparative Literature. It was the first department to be established in the Central University of Kerala (CUK). Keeping in line with CUK's interdisciplinary vision, DECL started by offering MA (English & Comparative Literature) to its first batch of 12 students. It has a unique syllabus and it uses advanced teaching and evaluation methods to enable its students appear for NET (UGC) both in English and in Comparative Literature. Intensive coursework, regular seminars and frequent presentations are regular features of DECL's MA and PhD programmes. DECL provides students with facilities like smart classrooms and fully digitalized language lab. DECL's Film Club, Literary Club and Research Forum, and various academic centres like Centre for Cinema and Screen Studies (CC&SS), Centre for Criticism and Theory and Centre for Translation give the students avenues for curricular and co-curricular activities. A bouquet of diverse elective courses and national and international visiting faculty help students master a variety of interdisciplinary subjects.



<b>Present Faculty Position</b>										
Posts	Sanctioned		Filled up			Vacant		Total		
Assistant Professor	4		4			0		4		
Associate Professor	2		2			0		0		
Professor	1		0			1		1		
<b>Students Enrolment</b>										
Programme	General	SC	ST	OBC	PWD	DEFENC	Total	Male	Female	
PG	36	11	4	28	2	2	83	19	64	
PhD	16	2	1	6	-	-	25	6	19	

<b>Faculty Details</b>										
Dr. Joseph Koyippally Joseph, Associate Professor										
Specialization : Shakespeare Studies, Semiotics, Translation Studies, Diaspora Studies ,Research Methodology										
Dr. Prasad Pannian, Associate Professor										
Specialization : Critical Theory, Cultural Studies, Everyday Life, Anthropocene, Alternative Modernities, Self and Subjectivity, Edward Said, Humanism/Posthumanism										
Dr. Vellikkeel Raghavan, Assistant Professor										
Specialization : Theatre and Performance Studies, Film and Media Studies, Critical and Cultural Theory Critical and Cultural Theory										
Dr. Asha S, Assistant Professor										
Specialization : Women and Islam										
Dr. Shalini M, Assistant Professor										
Specialization : Women-writing, Postcolonial Theory, Gender Studies, Comparative Literary Theory, Malayalam Literature and Pedagogy										
Dr. Efthikar Ahamed, Assistant Professor										
Specialization : Poetry, Sports Fiction, West Asian Literature, Film & Media Studies, Translation Studies, English Language Teaching (ELT), Creative Writing, Soft Skills & Communicative English										

#### **List of Member of Board of Studies:**

Chair Dr. Vellikkeel Raghavan, Assistant Professor of English & Comparative Literature, Central University of Kerala

#### Internal Members:

Dr. Joseph Koyippally Joseph, Associate Professor of English & Comparative Literature, Central University of Kerala

Dr. Prasad Pannian, Associate Professor of English & Comparative Literature, Central University of Kerala

Dr. Asha S , Assistant Professor of English & Comparative Literature, Central University of Kerala

Dr. Ram Binod Ray, Assistant Professor of Hindi, Central University of Kerala

#### External Members

Dr. R Ravishankar Rao, Professor of English, Manglore University, Manglore, Karnataka

Dr. B Hariharan, Professor of English, University of Kerala

Dr. M H Rudramuni, Professor of English, Mysore University, Mysore, Karnataka

· Thiruvananthapuram, Kerala

#### Invited members

Dr. Rajeev V, Associate Professor of Malayalam and Dean of the School, Central University of Kerala

Dr. Shalini M, Assistant Professor of English & Comparative Literature, Central University of Kerala

Dr. Efthikar Ahamed, Assistant Professor of English & Comparative Literature, Central University of Kerala

Publications of the Faculty  
Journal (single author)

Joseph Koyippally. (2019). "Ill-Schooled in Bolted Language: Adaptations and Shakespeare", *Humanities Circle*. 6(1). 119-132. (Summer 2018) published in 2019. ISSN 23218010.

Joseph Koyippally. (2020). "Analysing Diverse Genres: Shakespeare in India", *TBR* 44(2-3). Feb-March 2020. pp. 48-49. ISSN 0970-4175

S, Asha, 2019, "Reconfiguring Faith, Redefining Agency: Post 9/11 Muslim Women's Diasporic Dilemmas", *Littcrit*, Vol. 87, issue 1. ISSN. 09708049

Dr. Vellikkeel Raghavan. (2019).Postgraduate Level MHRD-UGC MOOC lesson on "Film and Soundscape", Dec. 2019. Link: [https://swayam.gov.in/nd2\\_ugc19\\_hs31/preview](https://swayam.gov.in/nd2_ugc19_hs31/preview)

Dr. Vellikkeel Raghavan. (2019).30 Minute Video Presentation in the Postgraduate Level MHRD-UGC MOOC lesson on "Film and Soundscape", Dec. 2019. Link: [https://swayam.gov.in/nd2\\_ugc19\\_hs31/preview](https://swayam.gov.in/nd2_ugc19_hs31/preview)

Dr. Vellikkeel Raghavan. (2020).Postgraduate Level MHRD-UGC MOOC lesson on "Akira Kurosawa and Seven Samurai", January 2020. Link: [https://swayam.gov.in/nd2\\_ugc19\\_hs31/preview](https://swayam.gov.in/nd2_ugc19_hs31/preview)

Dr. Vellikkeel Raghavan. (2020). 30 Minute Video Presentation in the Postgraduate Level MHRD-UGC MOOC lesson on "Akira Kurosawa and Seven Samurai", January 2020. Link: [https://swayam.gov.in/nd2\\_ugc19\\_hs31/preview](https://swayam.gov.in/nd2_ugc19_hs31/preview)

Ongoing Projects:

Dr.Joseph Koyippally Joseph is awarded with a project entitled "PG MOOC in Shakespeare across culture" funded by UGC-MHRD. With sanction Oder No. Total amount sanctioned for the project is 13.5 lakhs.

Dr.Vellikkeel Raghavan is awarded with a project entitled "PG MOOC in Film Studies" funded by UGC-MHRD. With sanction Oder No. Total amount sanctioned for the project is 13.5 lakhs.

Programmes Conducted by the Department

10-Day Theatre workshop coordinated by Dr Vellikkeel Raghavan from 06.01.2020 to 15.01.2020. As the final production of the workshop Kakkakkinavu, a dalit play of more than 1 hour duration was staged for the public audience on 15<sup>th</sup> January in the Payaswini Hall, CUK.

Students Achievements

Venugopalan, Sneha. *Abhijnanasakuntalam: An Ecofeminist Reading*, Cape Comorin Journal, July 2019, vol-1, issue-1, ISSN: 2582-1962.

Jose, Jorlin. "Subaltern Tempests: Subverting the Canon to Voice the Margins." *Studies in Indian Place Names*, vol. 40, no. 50, 2020, pp. 1258-1263,

Malavika. "Colours as Mood Boards: Interrogating the Dynamics of Visual Storytelling in Select Mainstream Films." *Studies in Indian Place Names* with ISSN No. 2934-3114, vol. 40, no. 50, Mar. 2020, pp. 5199-5206.

Harikumar, Kalyani. " Female Superheroes: Antidote For The Notion Of 'Damsel In Distress'?" *IJELLH International Journal of English Language, Literature in Humanities*, Vol. 7, No. 5, May 2019, pp. 269-276

Kumar, Sithara. "Butcher's Metal", *The CQ: A Literary Magazine*, 2019.

Kumar, Sithara. *The Breaking Of The 'Dutiful' Woman Archetype By A Male Voice In The Novel Madame Bovary*, Cape Comorin Journal, July 2019, vol-1, issue-1, ISSN: 2582-1962.

Jayaraj, Abhirami. "(Mis) Appropriations of nature: Political and Positional Aspects of the "Nature" in Select Advertisements". *Navajyothi*, vol.4, no.1, Aug. 2019, pp.1-12

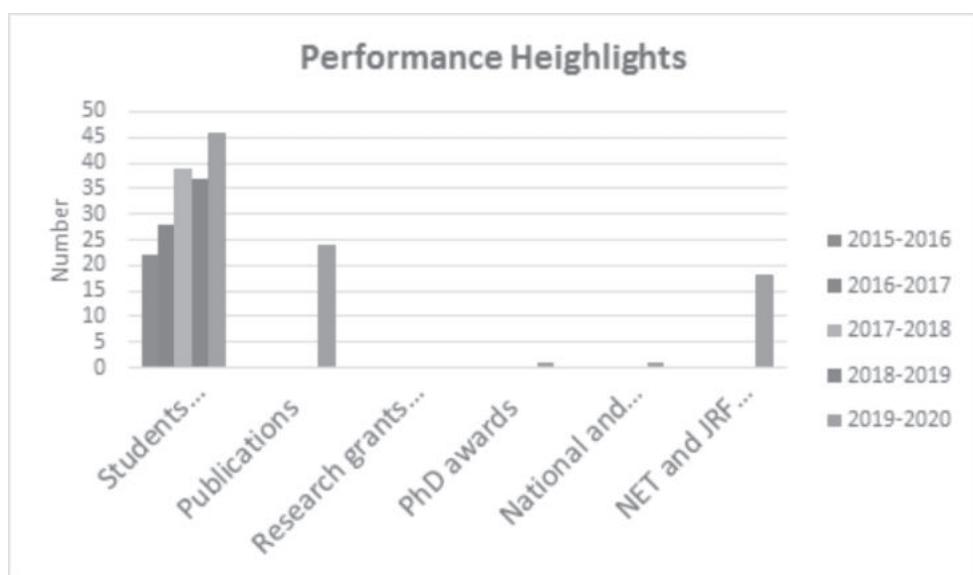
Thambi, Micah K."Imagining the 'Other': Threat and Paranoia in Contemporary Fictions." *Gnosis*, vol. 5, no. 3, April 2019, pp. 173-182.

Roy, Sarah Mariam. "Translating the Gospel According to John: Dimensions of Space and Culture." *Translation Today* 12.2 (2018): 63-82.

Roy, Sarah Mariam. "Translation as Interpretation: English Bible Translations." *REYONO: Journal of Interdisciplinary Studies* 8.1 (2019): 36-48.

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment (MA)	22	28	39	37	46
2	Publications					24
3	Research grants obtained by faculty members in the financial year					0
4	PhD awards					1
5	National and International events conducted					1
6	NET and JRF Qualified					18



### Centre for Cinema and Screen Studies (CC&SS)

The Centre for Cinema and Screen Studies (CC&SS), Central University of Kerala, was inaugurated by Sri Adoor Gopalakrishnan, the legendary Indian filmmaker on 06 February 2019. The Centre, which is attached to the Department of English and Comparative Literature under the co-ordinatorship of Dr. Vellikkeel Raghavan, aims to promote academic documentation, study and research into the various socio-cultural, political and institutional dimensions of Cinema, Television and other visual cultural practices across the globe, with a special focus to the Indian scenario. The motto of CC& SS is "Transdisciplinarity and Transspatiality in Visual Culture Studies" which functions in collaboration with similar institutions, professional bodies and other organizations.

Name of the Head of the Centre :

Dr. Vellikkeel Raghava

Programmes Conducted:

Three Day Rituparno Ghosh Film Festival, Centre for Cinema and Screen Studies (CC&SS) organized a 3-Day Rituparno Ghosh Film Festival in CUK Campus in collaboration with Federation of Film Societies of India, Keralam Chapter from 05th to 07th August 2020. Five films were screened in the festival. They are: Unisha April, The Last Lear, Chokher Bali, Chitrangada and Raincoat. The screening location was Academic Hall No. 111, Brahmaputra Block. On an average, 90 viewers were present in all the screenings. Students, Staff, and Teachers of CUK attended the screenings. Short discussions were organized pre-and-post-screening sessions.

# Department of Hindi & Comparative Literature

Head of the Department: **Dr. Taru S. Pawar**

Programmes Offered: **MA & Ph.D**

Department of Hindi & Comparative Literature was technically started during the period of Vice Chancellor Prof. Jhansi James in the year 2011 and classes were commenced during the year 2012. With the foundation of Hindi and Comparative Literature, Hindi Language, literature and comparative studies were given importance. Computer knowledge, Functional Hindi and other technical subjects were chosen as elective so as other students also get an opportunity to learn, Hindi Language as an interdisciplinary concept of the school. Regular Classes in the Department were commenced during oct 2012, under which, skill development programme, Training programs were organized by inviting Hindi writers and critics and by students interaction with them. With the help of Language Lab different language programs were also organised in the Department.



<b>Present Faculty Position</b>									
Posts	Sanctioned			Filled up		Vacant		Total	
Assistant Professor	4			4		0		4	
Associate Professor	2			2		0		2	
Professor	1			1		0		1	

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
M.A 2018-20	3	1	4	19	-	-	27	1	26
M.A 2019-21	4	0	1	7	-	-	12	-	12
Ph.D Dec.2019	1	-	-	-	-	-	1	1	-

### **Faculty Details**

Prof. Sudha Balakrishnan, Professor

Specialization : Women Studies

Dr. Taru S Pawar, Associate Professor

Specialization : Natak, Kahani,Upyanas

Dr. Seema Chandran, Assistant Professor

Specialization : KATHA SAHITYA and TRANSLATION

Dharmendra Pratap Singh, Assistant Professor

Specialization : Katha Sahitya

Dr. Ram Binod Ray, Assistant Professor

Specialization : Bhasha Vigyan, Mass. Comm

Dr. Supriya P, Assistant Professor

Specialization : Hindi Fiction, Translation & Functional Hindi, Gender Studies

### List of Member of Board of Studies

Chairperson Prof. Sudha Balakrishnan Professor & Head, Deaprtment of Hindi, CUK

#### Members

Dr. Taru S Pawar Associate Professor, Departmentf Hindi, CUK

Dr. Seema Chandran Assistant Professor, Deaprtment of Hindi, CUK

Dr. Thennarasu S Assistant Professor & Deaprtment of Linguistic

Prof. (Dr.) Mohan Professor &Head, Deaprtment of Hindi, Delhi University, Delhi

Prof. (Dr.) Jayachandran Professor &Head, Department of Hindi, Kerala University, Kerala

Prof. (Dr.) K. Vanaja Professor & Head, Department of Hindi, CUSAT, Kerala

Prof. (Dr.) Ganesh Pawar Professor & Head, Dept. of Hindi, CUKaranataka, Karnataka

### Publications of the Faculty

Dr. Taru S. Pawar

"SAMAKALEEN HINDI KAHANIYON ME STREE PRATIRODH" in'JANKRITI'A multidisciplinary

International monthly magazine (peer reviewed) year -4, Issue-48, April 2019(ISSN no-2454-2725) Edited by Dr.Kumar Gourav Mishra. Page-107-115), impact factor 2.0202(GIF)

"SAMAKALEEN HINDI KAHANIYON MESTREE PRATIRODH" in 'SAHITYASETU'A peer reviewed literary E Journal (UGC List No-64396) year 9 Issue-3, continuous Issue -51, May -June 2019 (ISSN No.-2249-2372) Edited by Dr.Naresh Shukla

"MEDIA VIMARSH KA SAMKALEEN SANDARBH" in "SANKALYA" A Multi Disciplinary international journal January-June 2019 (ISSN 2277-9264) Edited by Hindi Academy, Hyderabad.

Prof. (Dr.) Sudha Balakrishnan

1. Translation of Nala sopara by Chitra Mudgal is completed. Ready for release 2019, 2. Completed translation of eke Jameen Apni in to Malayalam Likely to release 2019

Dr. Seema Chandran

"Abhimanyu Anat Ke Natakam Mein

PravasiyomKaSamajshastreeyaAdhyayan (BhashikPravas K Sandarbh Mein)" Varsh-9, Ank-16, Jan-June 2019.

Manavtavaad k VisheshSandarbh Mein Samakaleen Kahani Karom Ki SarvabhaumikDrishti Sanskruti International Multidisciplinary Research Journal (INDEXED, PEER REVIEWED JOURNAL) on the title "" and has got published in Volume.V, Issue-III, March 2020. E-ISSN No: 2455-1511. Dr. Seema Chandran

Published an article 'Malayalam Kahaniyom Mein StreeRachnakaaromKaParidrishya' in a book titled "BharateeyaSahitya Mein Krishna" , edited by Dr. Pranav Shastri, DeshBharatiPrakashan Delhi, ISBN: 978-93-81488-57-7, PrathamSanskaranOct 2019.

Published an article 'Malayalam Natakkaar Shreekanthan Nair ka Ramayan Darshan' in a book titled "Lok Bhashaom Mein Ram Kavya" , edited by Dr. Mukesh Kumar, Sahitya Sanchay Prakashan Patna, Bihar, ISBN: 978-81-943929-5-8, Pratham Sanskaran17-Oct 2019.

Dr. Dharmendra Prathap Singh

Dharmendra Pratap Singh, 2019, Samajik Visangation se Joojhati Kahaniyan, Lamhi, Lucknow (Issue No.4-1, April- September 2019, Volume No., ISSN No. 2278-554X), 2.Dharmendra Pratap Singh, 2019, Kathakaar Ka Rajnitik Anubhav Unki Kahaniyon ko Vyapaka Pradan Karta hai, Lamhi, Lucknow (Issue No.12, October- December 2019, Volume No., ISSN No. 2278-554X) 3.Dharmendra Pratap Singh, 2019, Nav Upniveshvadi Daur Mein Grameen Samvedana ke Kathakar, Lamhi, Lucknow (Issue No.12, October- December 2019, Volume No., ISSN No. 2278-554X), 4. Dharmendra Pratap Singh, 2019, Bhoomandalikaran aur Sankat, (Issue No. Editorial, 10 May 2019, Jansatta, Delhi), 5.Dharmendra Pratap Singh, 2019, Tribhasha Sootra ki Chunautiyan, (Issue No. Editorial, 10 May 2019, Jansatta, Delhi) and other 3 articles is there.

DR.RAM BINOD RAY,  
October - November - 2019, prem chandaurmuktipath M & jankriti, international

peer reviewed journal,issue no-54-55, ISSN- 2454-2725

Dr. Supriya P

Samakaleen Kavitha me Third Gender' Vartha Vahak published by Hindi Shiksha Samiti, Odhisha, July 2019 (ISSN – 2321 – 8789), 'Nayi Chetana ka Kendra bani Mahila Patrakarita', Media Vimars ( Malayalam Media Visheshank ), December 2019 ( ISSN – 2249 – 0590 ),

Books:

dhunikta ka Parag Sankraman, 2019 ( Aman Prakashan, Kanpur, ISBN No. – 93 – 88260 – 25 – 1),

Hindi ke Sahityetar Sandarbh, 2019 (Jawahar Pustakalaya, Mathura, UP ( ISBN No. 978 – 81 – 933648 – 0 – 2 ),

Rape me anand ka aarop : Stri Vidroh ka Naya Swar' in Book Naya Sahitya Naye Prashn, 2019 Edited by Dr. Suma S. Published by Vani Prakashan, New Delhi ( ISBN – 978 – 93 – 88684 – 27 – 9 ) and other 4 articles is there.

Programmes Conducted by the Department

Premchand Jayanti and Lecture series inaugurated by our Honorable Vice Chancellor Prof. (Dr.) G. Gopakumar, Chief Guest Prof. A Aravinakshan, President Prof. Sudha Balakrishnan, Registrar Dr. A Radhakrishnan Nair, Associate Professor. Dr. Taru s. Pawar, Associste Prof. Dr. Rajeev V, ( Malayalam ), Hindi Officer Dr. Anish Kumar TK and Assistant Professor Dr. Seema Chandran.

TG Mohandas, Journalist Inaugurated two diploma Courses on 14<sup>th</sup> October 2019, President Dr. Taru S. Pawar, Dean. Prof. Ajith Kumar, Deputy Librarian- Senthlekmuraran, and Hindi Officer Dr. Anish Kumar T K, Dr. Dharmendra Prathap Singh, 1. P.G Diploma Hindi Journalism & Translation Coordinated by Dr. Ram Binod Ray, 2. P.G Diploma Course in translation and Office procedure co-ordinated by Dr. Supriya P

National seminar of Hindi Literature of 21<sup>st</sup> Century and Diverse Discourses, Inaugurated by Respected Dr. A Radhakrishnan Nair, Registrar Cuk, Chief Guest Prof. S.K Pawar, KUD Karnataka. President Dr. Taru S. Pawar,

Hod. Dean SLCL Joseph koyippally, Hindi officer Dr. Anish Kumar TK Assistant Professor Dr. Ram Binod Ray, Convener- Dr. Dharmendra Pratap Singh & Dr. Seema Chandran, 27<sup>th</sup>-28<sup>th</sup> February 2020.

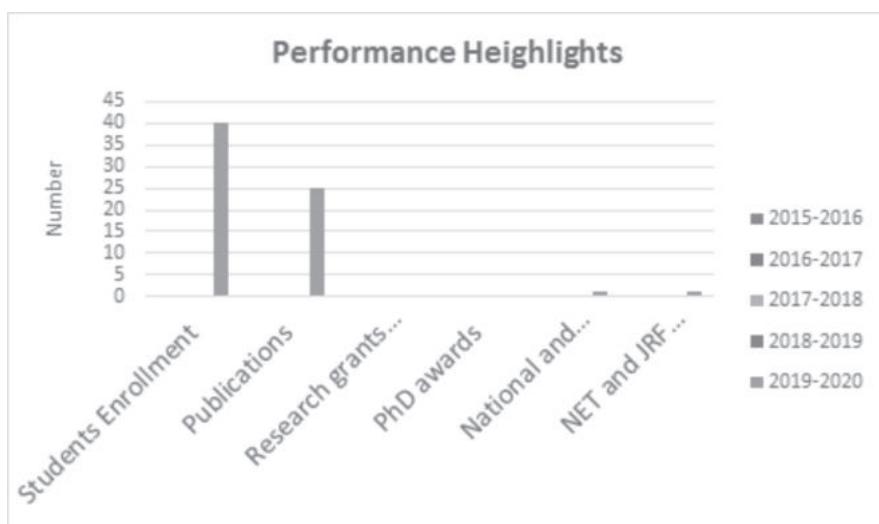
#### Other Achievement by the Faculty

Prof. (Dr.) Sudha Balakrishnan - : 1. vishisth Sahitya kar saman National Award on 04<sup>th</sup> July 2019, 2. Bhushan samman international award in Mauritius on 2<sup>nd</sup> oct 2019.

Dr. Seema Chandran : National Award- 1. Sahitya Gaurav December 2019, 2. Best Teacher of the year 2019, 3. Yuvaratna Puraskar January 2020,

4. Visvashanti Manav Seva Ratna 20 January, 2020, 5. Savitribai Phule Shiksha Gaurav Samman- 08<sup>th</sup> March 2020, Resource Person in International Seminar -2, National Seminar- 1 Training/ Workshop/Short Term Program-2, Invited Talk-1, Course attended-2.

Dr. Supriya P -: International Award - Hindi Sevi Samman by Katha UK and Kavyadhar, London, July 2019, International Award - Minerva Award by All India Poetess Conference at Rome, Europe, July 2019, National Award - Sahityanchal Shikkar Samman by Sahityanchal, Bilwara Rajasthan, September 2019.



#### Centre for Women's Studies

The Centre for Women's Studies was launched under the School of Humanities on 25<sup>th</sup> April 2018. National Commission for Women ( New Delhi ) member Ms. Sushma Sahu and Joint Secretary of UGC, Dr. Urmila Devi were the Chief Guests of the Day. The necessity of the Centre was emphasized and it was recommended to develop as a critical instrument for social and academic development. The University is located in a rural area. A majority of these students are from marginalized and minority communities. So, creating gender consciousness and making them aware about their rights is essential. Initial focus of activities are organizing invited talks/lectures and Seminars on subjects like Human Trafficking, Human rights, workplace harassment, Women related

issues and Training programmes/Workshops for students. As it grows, the Centre will start full time diploma and Post Graduate courses in Women's Studies /Gender Studies. Collaborative research across regions and across centres with independent centres of research in Women's Studies funded by the State Governments, ICSSR and other bodies of national reputation will be supported.

Name of the Head of the Centre / Cell /  
Section: Dr. SUPRIYA P

#### ADVISORY COMMITTEE:

Dr. M R Biju, Professor & Dean, Dept. of Public Administration & Policy Studies  
Dr. Prasanna Kumar P C, Associate Professor, Dept. of International Relations

Dr. Aswathi Nair R, Associate Professor, Dept. of Biochemistry & Molecular Biology  
Dr. Laxmi, Assistant Professor, Dept. of Social Work  
Dr. Asha S, Assistant Professor, Dept. of English & Comparative Literature  
Ms. Jayalakshmi Rajeev, Assistant Professor, Dept. of Public Health & Community Medicine  
Dr. Chithra Manisseri, Assistant Professor, Dept. of Plant Science

Brief summary of the activities carried out by the Centre / Cell / Section:

(1) PUBLIC LECTURE on 'YOUTH AND EMOTIONAL WELL BEING' - 1 OCTOBER 2019  
A Public Lecture on 'Youth and Emotional Well – being' was organized on 1<sup>st</sup> October 2019. Dr. Supriya P Coordinator of the Centre for Women's Studies at CUK welcomed the Guests. The Registrar of Central University of Kerala Dr. A Radhakrishnan Nair delivered the Presidential Address.

(2) NATIONAL WORKSHOP on HUMAN TRAFFICKING : A THREAT TO HUMAN RIGHTS on 12 DECEMBER 2019

A National workshop on Human Trafficking was conducted in relation to Human rights day, on 12th December 2019. Prominent social activist Ms Priti Patkar inaugurated the workshop. Ms Priti, Founder and Director of 'Prerna', delivered a thought provoking session on Human Trafficking : A threat to Humanity.

(3) ROUND TABLE CONFERENCE on Health and Nutrition in the context of Women Empowerment on 6<sup>th</sup> March, 2020

As part of observing International Women's Day 2020, we at Central University on behalf of Centre for Women's Studies, conducted a Round Table Conference on 'Health and Nutrition in the context of Women Empowerment,' on 6<sup>th</sup> March 2020. Prof.(Dr.) K.R Thankappan, Department of Public Health and Community Medicine, CU Kerala was the Chairperson of the Conference. Dr. Supriya P, Coordinator, Centre for Women's Studies, CU Kerala, welcomed the gathering. Dr. A. Radhakrishnan Nair, Registrar, CU Kerala inaugurated.

# Department of Kannada

Head of the Department: **Prof. B. Shivarama Shetty**  
Programme Offered: **MA Kannada**

The department of Kannada of Central University Kasaragod was established during the year 2019, under School of Languages and Comparative Literature. It was established to envision higher studies and research in Kannada language, literature and Culture. Since, Kasaragod is a multilingual district located in the border area, between Karnataka and Kerala, it represents the anxieties and challenges of the border. Keeping in view its linguistic, geographical, territorial, political and cultural location the syllabus and the programmes of the department are designed.

The multilingual, multi religious and multicultural context of Kasaragod also compels the Kannada department to pay attention to cultural, linguistic and literary expressions of other languages and their interrelation with Kannada. Hence, comparative linguistics, comparative literature and comparative culture are also the focal areas of the department.

Following on this, the department has also introduced a paper on Translation Studies with a great deal of emphasis on Translation theories. Besides these the department also proposes to introduce papers on the study of endangered languages in and around Kasaragod. Further, papers on other major languages, literatures, Cultures of South India have also been introduced as electives. As part of this a diploma course on speaking Kannada for non Kannadiga Students has also been introduced. Since, the department of Kannada is one year old a long term plan of Research Projects and MOUs is envisioned to make it contemporary.



<b>Present Faculty Position</b>									
Posts	Sanctioned			Filled up			Vacant		Total
Assistant Professor	4			0			4		4
Associate Professor	2			0			2		2
Professor	1			0			1		1

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
MA Kannada	01	01	03	06	01	0	12	07	05

### **Faculty Details**

Prof. B. ShivaramaShetty, Academic Coordinator

Specialization : Ancient, Medival and Modern Kannada Literature, Literary Theory, Linguistics, Folkloristics

Dr. Swamy K.N (late), Guest Lecturer

Specialization : Inscipttions, Linguistics, Ancient, Medival and Modern Kannada Literature, Folkloristics

Mr. Chethan .M, Guest Lecturer

Specialization : Ancient, Medival and Modern Kannada Literature, Linguistics, Folkloristics, Inscriptions

### **List of Member of Board of Studies:**

Prof. (Dr). GeethaVasanth, Dept. of Kannada, Tumkur University

Prof. (Dr.) RadkakrishnanBellur .N, Associate Professor and Head, Dept. of Kannada, Government College, Kasargod,

Prof. MylahalliRevanna, Former Professor and Head, Dept. of Kannada, University of Mysore,

Dr. H.G. Sreedhara, Professor and Head, Dept. of Kannada, Vivekananda College, Puttur,

Dr. NithyanandaShetty, Professor , Dept. of Kannada, Tumkur University (special invitee)

### **Publications of the Faculty (in the latest APA referencing style) –**

Dr. Swamy K. N A t r u p t i g e Asahakaravannuparichayisida Ghandh (Ed)

Prof. Mallepuram G. Venkatesh KrauryakkeShantiyannu2019

### **Programmes Conducted by the Department**

Prof. B. ShivaramaShetty Dr.Gopalakrishna Be si, Retired Principal, Kasarogod, has given a special lecture on "Autobiography of KayyaraKinnyanRai "24<sup>th</sup> November, 2019

Prof. B. ShivaramaShetty Dr.Gopalakrishna Be si, Retired Principal, Kasarogod, has given a special lecture on "Autobiography of Shen GopalakrishnaBhat " 25<sup>th</sup> November, 2019

Prof. B. ShivaramaShetty Dr.RajappaDalavayi, Assistant Professor, Centre for the Kannada Studies,Bangalore University, Jnanabharathi, Bangalore has given a special lecture on "Literary Theory and Criticism"26<sup>th</sup> November, 2019

### **Other Achievement by the Faculty**

Prof. B. ShivaramaShetty

Chief Guest for the programme being conducted by NGSM Institute of Pharmaceutical Sciences and Nitte University Centre for Tulu Studies under the flagship of Nitte (Deemed to the University) in 18/11/2019 at Justice K.S. Hegde Charitable Hospital, Deralakatte, On the ocation of International Naturopathy Day.

Participated on the National Seminar on "Kuvempu&Karantha: Re readings "on 25/02/2020 as a Resource Person to speak on the thoughts of ShivaramaKarantha organized by Sahyadri Arts College, Shivmogga

Participated as Resource Person in the Eductaional Workshop orgnaized by ShriRamakunjeshwara English Medium Highe School, Puttur held on 11-02-2020

Dr. SwamyK.N

Presented a Paper in National Seminar about "the works of Dr. N Mogasale"organized by the

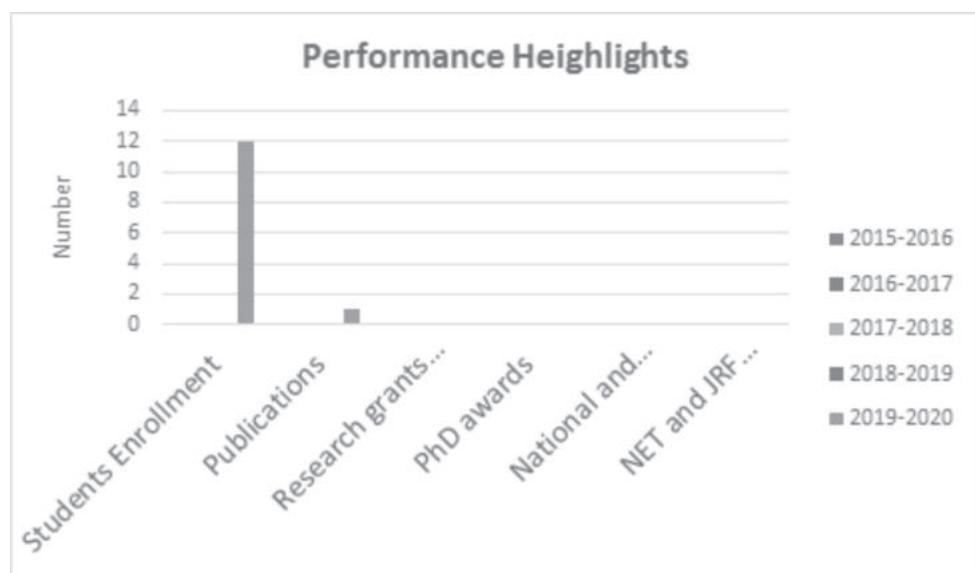
Dept. of Kannada, Kannuru University on 27/08/2019  
 Given Special Lecture on the topic 'Philosophical basis of Kannada Research and Criticism' at the Dept. of Kannada, Shri. Krishnadevaraya University, Ballary, Karnataka on 9/09/2019  
 Participated as the Chairperson at State Level ChutukuSambhrama in the District Level

5. ChutukuSahitya Festival organized by Kasaragod District, ChutukuSahithya Parishad on 29/09/2019.

4. Presented a paper in the National Seminar on "Mahakavi Rathnakaravarni" MahakaviRatnakar AdyayanPitha at Mangalore University.

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	-	-	-	-	12
2	Publications	-	-	-	-	1
3	Research grants obtained by faculty members in the financial year	-	-	-	-	-
4	PhD awards	-	-	-	-	-
5	National and International events conducted	-	-	-	-	-
6	NET and JRF Qualified	-	-	-	-	-



# Department of Linguistics

Head of the Department: **Dr. Palanirajan G.**

Programmes Offered: **M.A and Ph.D.**

The Department of Linguistics was established in June 2012 under the School of Languages and Comparative Literature (SLCL) in the Central University of Kerala. It started by offering MA (Linguistics and Language Technology) in 2012 and direct PhD in (Linguistics and Language Technology) in 2015. The Department views to build Language Technology infrastructure of international standard. The course is designed to develop a skilled human resource in the area of Language Technology. The course offers a range of subjects where the core areas are compulsory courses. Smart air-conditioned classrooms equipped with projector make teaching interactive and engaging. A separate lab with up-to-date infrastructure is proposed and will take shape soon in near future.

The course enables the students to handle the issues in Language Technology. It also qualifies them to tap the resources and job opportunities in the field. Institutions like IITs, IIITs, CIIL, CDACs can be potential avenues for the student to excel. The students can also work in Neurology



Institutes, Speech and hearing Institute with their training in Clinical Linguistics, Psycholinguistics etc. Anthropological Survey of India,

Archaeological Survey of India, Census, Oriental Institutes and several NGOs, are other areas where the students can find their prospects.

<b>Present Faculty Position</b>		<b>Sanctioned</b>	<b>Filled up</b>	<b>Vacant</b>	<b>Total</b>			
Posts								
Assistant Professor	4	4	0	0	4			
Associate Professor	2	0	2	2				
Professor	1	0	1	1				
<b>Students Enrolment</b>								
Programme	General	SC	ST	O BC	PWD	Total	Male	Female
PG	10	4	2	53	0	69	12	57
Ph.D.	7	1	1	3	0	12	5	6

### **Faculty Details**

Dr. Palanirajan G, Assistant Professor

Specialization : Historical Linguistics, Corpus Linguistics, Semantics, Lexicography.

Dr.Thennarasu.S, Assistant professor

Specialization : Morphology , corpus Linguistics, Computational Linguistics, Natural Language Processing.

Dr. Curiously Bareh, Assistant professor

Specialization : Descriptive Linguistics Austro-Asiatic & Tibeto-Burman languages Endangered Language Documentation

Dr. Chinmay Vijay Dharurkar, Assistant professor

Specialization : Indian Grammatical Tradition, Morphology, Syntax, Translation Studies, Literary Criticism, Philosophy of Language

### **List of Member of Board of Studies:**

Prof. G. Uma Maheshwara Rao Professor & Former Director, Centre for Applied Linguistics & Translation Studies University of Hyderabad, Gachibowli, Hyderabad-500046

Dr. L. Ramamoorthy, Former Reader cum Research Officer Central Institute of Indian Languages Manasagangotri, Hunsur Road Mysore 570006, Karnataka

Prof. (Dr.) M. Sreenadhan Professor in Linguistics Department of Linguistics Thunchath Ezhuthachan Malayalam University Vakkad, Tirur, Malappuram - Pin: 676 502

Prof. M. Ganesan Professor of Linguistics Former Director Centre for Advanced Studies Annamalai University

Publications of the Faculty (in the latest APA referencing style)

Dharurkar Chinmay (2019) 'Borrowed words make it informal! The pragmatics and aesthetics of

code-mixing of English in Indian languages' in Rath, Arnapurna (et. al) (Ed) (2019) Critical Essays on Literature, Language, and Aesthetics: A volume in honour of Milind Malshe. Newcastle upon Tyne: Cambridge Scholars Publishing. pp. 249 – 261. [ISBN (10) 1-5275-2025-0 ISBN (13): 978-1-5275-2025-7]

Thennarasu, S. (2019). "False Friends in Tamil – Malayalam Languages" in Deivasundram, N. (et. al) (Ed) (2019) the Journal of Tamil Linguistics. Vol.1 pp. 110-120 [ISBN: 978-93-81101-64-3]

UGC approved journal

Bareh, Curiously (with Gholam Payman). 'Construction of Linguistic Identity'. (to appear in Humanities Circle. International Journal of Central University of Kerala

Bareh, Curiously. 2019. 'Syllable Structure in Language Game in Pnar'. Indian Linguistics 80

(1-2) 2019: 121-133. ISSN: 0378-0759  
 Bareh, Curiously. 2019. 'A Sociophonetic investigation of vowels in Pnar and its variants'. Assonace: A Journal of Russian and Comparative Literary Studies. Vol. No 19. 2019 (January). pp 94-107. ISSN 2394-7853

#### Selected Proceedings:

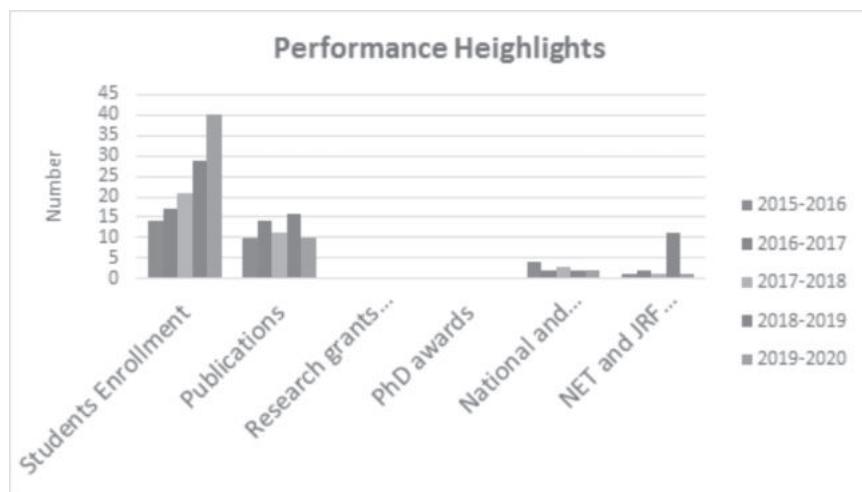
Bareh, Curiously & Heshu Aji. 2019. A glimpse on the status of the tribal languages of Northeast India. In Proceeding of National Seminar on Tribal Languages in India: Structure and Status, Dravidian University, Kuppam (4-5 October, 2018). ISBN 9789387946118

#### Ongoing Projects:

- Palanirajan, G., Coordinator Centre of Endangered Language, funded by UGC, Total amount sanctioned for the project is Rs. 1,39,50,000 (One crore thirty nine lakhs fifty thousand)

#### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	14	17	21	29	40
2	Publications	10	14	11	16	10
3	Research grants obtained by faculty members in the financial year	0	0	0	1,39,50,000	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	4	2	3	2	2
6	NET and JRF Qualified	1	2	1	11	1



#### Programmes Conducted by the Department

Programme 1  
 day National Workshop on Language Documentation for Natural Language Processing from 16<sup>th</sup> – 20<sup>th</sup> December 2019 organized by Centre for Endangered Languages, Department of Linguistics, Central University of Kerala, Kasaragod.

#### Programme 2

The national seminar on "The first novels in Indian languages and their translations" School of Language and Comparative Literature, Central University of Kerala conducted a National Seminar on The first novels in Indian languages and their translations. The Seminar was held in the Seminar Hall, Brahmaputra Block, Central University of Kerala on 16<sup>th</sup> January 2020, Thursday.

#### Students Achievements

UG/PG Students: 1 GUC NET

## Centre for Endangered Languages

The Centre for Endangered Languages is set to work for the minor/tribal/endangered languages of Kerala. In addition, the centre, in collaboration with Central University of Karnataka, work for minor/tribal/endangered languages of Indian coast, this is shared with the Language plays a large role in identity formation, and the loss of a language has significant impact on its speakers. Endangered language communities are also viable to lose valuable cultural practices, such as oral histories, traditional songs and poetry, and other art forms that are tied to the language.

The First Installment of the allocation for CEL was disbursed in November 2016 as per orders no F. 82-8/2015 (CU) Consequent to this the academic activities of the Centre began in January 2017. CEL-CUK is functioning in the same cluster as CEL-Central University of Karnataka. A cluster meeting of the two Centres was convened on 23 January 2017 at CUK Periyar Campus. Prof. H.M Maheswaraiah, V.C of Central University of Karnataka and Coordinator of CEL, Prof C.Ramaswami, Prof Rajeswari Maheeswaraiah and Dr. Basavaraj Kodagunti, Co-coordinator attended the meeting from Central University of Karnataka. From CEL, CUK-Kasargod, Dr Ravi Sankar S Nair Coordinator CEL, Dr. Thennarasu Sakkan Co-coordinator CEL and Head(i/c) of Department of Linguistics, and Chinmay Dharurkar, Asst Prof, Department of Linguistics attended the meeting.

Name of the Head of the Centre: Palanirajan G  
Staff Details: Resource person from outside  
Brief summary of the activities carried out by the Centre:

5 day National Workshop on Language Documentation for NLP organised by Centre for Endangered Languages, Dept. of

Linguistics, Central University of Kerala, started with the inaugural ceremony on 16th Dec 2019. The workshop was inaugurated by Prof. Dr. G. Gopakumar, Honourable Vice-Chancellor, Central University of Kerala, Kasaragod, in the presence of Prof. Dr. H. M. Maheswaraiah, Honourable Vice-Chancellor, Central University Karnataka, Kadaganchi, Kalaburgi, Karanataka, Prof. K. Karunakaran Former Vice-Chancellor, Tamil University, Prof. G. Keshava Panicker, Former Director, International School of Dravidian Linguistics and . Prof. N. Rajashekharan Nair, Former Director, Centre for Advance Studies in Linguistics, Annamalai University, Annamalainagar, Tamil Nadu.

A 3 day Workshop on the validation of Reports of the project on Endangered Languages was organized by the Centre for Endangered Languages Project (CEL), Central University of Kerala, from 12, 13 and 14 December 2019. The Workshop focused on forming the guidelines for writing the sketch grammars and dictionary format for the languages under the threat of endangerment.

The Centre for Endangered Languages Project, in the Department of Linguistics organized the Advisory Committee Meeting for Endangered Languages Programme of Central University of Kerala on 16th December 2019, 10:00 AM.

A 3 day Project Review Validation Workshop and Advisory Committee Meeting Programme was organized by the Centre for Endangered Languages Project (CEL), Central University of Kerala at Central Institute of Indian Languages, Mysuru , from 17, 18 and 19 February 2020. The Workshop focused on discussing the UGC guidelines for writing the sketch grammars and dictionary format for the languages under the threat of endangerment.

# Department of Malayalam

Head of the Department: **Prof. (Dr.) V. Rajeev**  
Programmes Offered: **MA & Ph.D.**

The Department of Malayalam (2015), is the 18th Department of study and research, set up under the Central University of Kerala. With Malayalam being conferred the status of a classical language, there has been a renewed interest in the study of the language the world over. This Department aims to conduct authentic study and research on Malayalam language, literature and Kerala culture. The contribution of Malayalam language, literature and the culture of Kerala to Indian nationalism, and the status of Malayalam literature in the context of world literature are some of the areas of research in this department. This Department undertakes studies with the aid of modern research techniques, with a view to sharing the results with the public and the academia. On 16th September 2015, at a function presided over by Prof. (Dr.) G Gopa Kumar, Hon. Vice Chancellor, the noted poet Prof V Madhusoodanan Nair inaugurated this Department, which has started its functioning with the conduct of the first year MA classes, with a full intake of 25 students.



<b>Present Faculty Position</b>		Sanctioned	Filled up		Vacant		Total		
Posts		4	4		0		4		
Assistant Professor		2	0		2		0		
Associate Professor		2	2		0		2		
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
MA Malayalam (2018-20)	19	01	0	10	Nil	Nil	30	06	24
MA Malayalam (2019-21)	21	06	04	13	Nil	Nil	44	04	40
Ph.D	07	04	0	04	Nil	Nil	15	07	08

#### **Faculty Details**

Prof. Dr. Ajith Kumar N, Professor

Specialization : Folklore, Cultural Studies and Performing Arts

Dr. V. Rajeev, Associate Professor

Specialization : Literary Criticism& Kerala Culture.

Dr. Devi K, Assistant Professor

Specialization : Translation and Cultural Studies

Dr. Chandrabose R, Assistant Professor

Specialization : Media Studies and Poetry

Parvathy P Chandran, Assistant Professor

Specialization : Feminist Studies

Haridas K, Assistant Professor

Specialization : Fiction

#### **List of Members of Board of Studies**

Dr. N Ajith Kumar, Professor, Department of Malayalam, Chairman

Dr. V Rajeev, Professor, Department of Malayalam, Member

Dr. Devi. K, Assistant Professor, Department of Malayalam, Member

Dr. AM Unnikrishnan, Professor, IDE, University of Kerala, Member

Dr. M. Krishnan Namboothiri, Professor, SSS University, Trichur, Centre., Member

#### **Publications of the Faculty**

Dr. N Ajith Kumar:

Puravrithavum Sahithyavum Edasheriyude Kavilep attine Aspadamakki, in Upadwhani Journal, 2019, ISSN 2456-7442.

Thottampattukalile Bhashayum Vyakaranavum, Malayalabhasha Padanamgal, in Dr. AM Unnikrishnan, 2019, (PP499-526), PK parameswaran Nair Grandhavali, Trivandrum, ISBN:978-93-5390-098-4

Malayalathile Prak-Kalppanikatha, in Pradeep Kumar EV & Lissy Mathew, Kalppanikatha Vayakthiyahaude Aalkuttavayanakal. (Eds), 2020, (PP.20-30), SSUS, Kalady, Department of Malayalam, Payyannur, ISBN: 978-81-941640-4-3

Dr. V Rajeev:

Kalppanikathaude Manasastram, in Nidish KP & Lissy Mathew (Eds), 2019, Bhavanayude Arikum Athirum, (PP.47-55), SSUS, Kalady, Department of Malayalam, Payyannur, ISBN: 978-81-941640-0-5

Post- Colonial Sahithyam, in AM Unnikrishnan (Ed), Navasahithyam, Navasa Samskaram, 2020, (P-P 127-133), Sahithy, Trivandrum, ISBN 978-93-89768-01-5

Dr. Devi K:

Bhavanaude penloka Sancharamgal, in Nidish KP & Lissy Mathew (Eds), 2019, PP.100-107), SSUS, Kalady, Department of Malayalam, Payyannur, ISBN: 978-81-941640-0-5

Navamadhyamam abhashayum e -

samoohikabhashasastrvum, 2020, in AM Unnikrishnan (Ed), Navasahithyam, Nava Samskaram, (P-P 127-133), Sahithy, Trivandrum, ISBN 978-93-89768-01-5

Dr.R Chandrabose:  
*PravasathinteAnuboothiCharitram*, 2019,in AS Pratheesh (Ed), in *PravasaSahithyam*, State Institute of Languages, Trivandrum, (PP 3-12),ISBN:978-81-200-4836-6

*Udalintesaileevathkkaranam*, 2019, Dr.LijaAravind (Ed), in *Kathaateetham*,*InsightPublica*, Kozhikkode, (PP17-26), ISBN: 978-93-89804-03-4

*BhavanayudeArikum Athirum*,2019,inNidish KP & L issy M a t h e w ( E d s ), in *KalppnikathaudeSwarajyam*(PP.66-74), SSUS, Kalady,Department of Malayalam, Payyannur, ISBN:978-81-941640-0-5

Smt. Parvathy P Chandran:  
*KalppnikathaMadhavikkuttiudeKathakalil*, 2019, in N i d i s h K P , P r o f L i s s y Mathew(Eds).*BhavanayudeArikumAthirum*,(9 4-99), Dept.of Malayalam, Sree Sankaracharya University of Sanskrit Regional Centre Payyannur,ISBN:798-81-941640-3-6

Feminist Literature in Malayalam, 2019, in Narration and New Spaces, Book, Ezhuth, Vayana, Bahuswaratha,KEN, (Ed),(PP79-83)Mazhathully Publications, ISBN – 978-81-941364-2-2

A Study about Islamic Feminism, based on the novelBarza, Bhasha,2019, in Sahithyam, BahuswaraVayanakal, Bincy PJ, Indu R (Ed), PG Department of Malayalam, Catholicate College, Pathanamthitta, (PP123-128) ISBN : 978-81-922638-4-7

K Haridas:  
*KazhchayumKalpanikathayumNavodhanapoorna Kavithayil*, 2020, in Samskrithiyude Bhoopadangal, Divya CK, Prof Lissy Mathew (Eds), (pp.9-14). Dept of Malayalam, Sree Sankaracharya University of Sanskrit Regional Centre Payyannur,ISBN: 798-81-941640-3-6

Aadhunikatha, Deseeyadhnunikatha, 2019 in KVSasi (Ed), N V Kavitha', Post colonialVimarshanamMalayalaVazhikal, (pp.164-172) Chinthha Publishers, Thiruvananthapuram, ISBN – 978-93-88485-98-2.

#### Books:

Contributions in Edited book: Easton, B. (2008). Does poverty affect health? In K. Dew & A. Matheson (Eds.), *Understanding health inequalities in Aotearoa New Zealand* (pp. 97–106). Dunedin, New Zealand: Otago University Press.

Franks, A. (2005). Margaret Sanger's eugenic legacy: The control of female fertility. Jefferson, NC: McFarland & Company.

Journal (single author): Seale, C. (2007). Learning to do qualitative data analysis: An observational study of doctoral work. *Qualitative Health Research*, 17(10), 1442-1452.

Journal (multiple authors): Barnard, R., de Luca, R., & Li, J. (2015). First-year undergraduate students' perceptions of lecturer and peer feedback: A New Zealand action research project. *Studies In Higher Education*, 40(5), 933–944, <https://doi.org/xxxxxxxxxx>

#### 7. Programmes Conducted by the DepartmentTitle of the Programme, Convenor/Coordinator, Date, Other Information:

Two day National Seminar on Art, Culture and Philosophical Traditions of Kerala (In association with School of Cultural studies, Central University of Kerala)-Joint Convenor- Dr. V.Rajeev on 30th&31st October 2019.

One day seminar on MahakaviP.Kunhiraman Nair smruthy dinam- Convenor- Dr.Devi.K on Nov 4th 2020.

Two Day National seminar on feminist studies- Convenor- Parvathy.P.Chandran on March 9th 2020.

#### Other Achievement by the Faculty (Major Awards and Academic/Scientific Recognitions):

Dr. N Ajith Kumar: Elected as a member of Kendra Sahithya Academy, New Delhi.

#### Papers presented in National/ International Conferences:

Dr. N Ajith Kumar:

Dr. V Rajeev:

Reading Literature in Malayalam: Different

Approaches, University of Madras – Contemporary Literary Criticism and Kuttikrishna Marar (National Seminar) - 2020

SamakaalaSahithyam – Pravanathakalum Prathirodangalum, St. Thomas College, Kozhancherry – Samakaala Malayala Kavitha (National Seminar) – 2003.

Dr. Devi K:  
Presented Paper titled "Mogayarude Anushtana Rangapada Sankalpam" an International Seminar, Dept. Theater SSUS Kalady on March 14, 15, 16.

Chaired a session in an International seminar conducted by Dept. Malayalam, Brennen College on Landscape studies Nov 2019.

Dr. R Chandrabose:  
Feminist Literature in Malayalam – Narration and new spaces.  
(National Seminar) - 2019.

The influence of Cyber Space in Malayalam short stories: A study based on selected stories (National Seminar) – 2019.

Malayalam Short Stories : Path and Meaning (National Seminar) – 2019.

The life of subalterns in the Novel 'Mattathi' (National Seminar) - .2020

Parvathy P Chandran:  
Feminist Literature in Malayalam – Narration and new spaces. (National Seminar) - 2019.

The influence of Cyber Space in Malayalam short stories: A study based on selected stories (National Seminar) – 2019.

Malayalam Short Stories: Path and Meaning

(National Seminar) – 2019.

(National Seminar) – 2019.

Presented paper 'Bhashapadanasadhyathakal', Dept of Malayalam, SNM College Maliankara, Ernakulam. Dated 08.07.2019

Served as Resource Person for National Workshop on Disability: Society, Body and Culture and presented the paper 'Theory and Practice of Disability Studies' dated Nov 21. 2019

Presented paper on 'Cherukathayude Dalith Paatam' in 2 day National Seminar organised by SahityaAcademi in collaboration with PG Dept. of Malayalam, Pavanatma college, Murikkassery, Idukki dist. dated 3 december 2019

Presented a paper entitled 'Bhinnaseshipadana Sidhanthavum Sahitya Sameepanavum' in 3 day UGC Seminar Conducted by Dept. of Malayalam, SreeSankaracharya University of Sanskrit, Kalady, Regional Centre Payyannur. Dated 17.jan 2020

Students Achievements

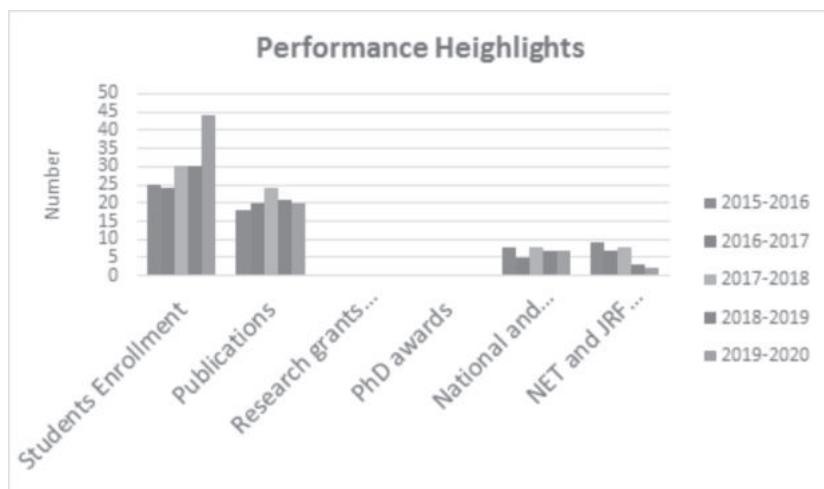
UG/PG Students:

Poetry Writing First Position Kiran Ram Navaneeth(competition Conducted by a Cultural Association of Kasargod)

Jayasneha MA fourth semester student won best actor in drama competition, State Youth drama Fest.

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	25	24	30	30	44
2	Publications	18	20	24	21	20
3	Research grants obtained by faculty members in the financial year	0	0	0	0	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	8	5	8	7	7
6	NET and JRF Qualified	9	7	8	3	2



### **Shri Vidhyadhiraja Chattambi Swamikal Centre for Classical Malayalam Language**

As Malayalam language has got the status of Classical language, it is the responsibility the Central University of Kerala to establish a Centre for Malayalam Language with paramount importance at the earliest. The Centre should later be developed to a School with appropriate planning and implementation of relevant programmes. The status of classical language offers many possibilities for the development of Malayalam Language. So the Central University of Kerala hereby proposes to establish a Centre for Classical Malayalam Language in 2016 itself. The Centre may be named after Sree Vidhyadhiraja Chattambi Swamikal, an extra ordinary saint and scholar, who is the father of academic research in Malayalam Language, Kerala Culture, Kerala History, Place Names, and many other disciplines associated with the day to day life of Kerala people. We should realize it for the empowerment of our language for which we have to establish a Centre for Classical Language and Literature. More than mere a language and literature, Malayalam should build new bridges towards the horizon of Science and Technology with higher confidence that it can be become the master language to address all subjects and will be among one of the twenty most important Languages that exist in the world. The study and research should cover the entire arena of the past, present and future of the people of Kerala. Kasaragod, the headquarters of Central University

of Kerala is a multi-linguistic area. This is an ideal place that we can transform for the growth of Malayalam Language. Special emphasis should be given to the linguistic diversity, art heritage, historical and cultural peculiarities of Kasargod. What is the need of the hour is to give prominence of all Languages and it's variety along with its cultural heritage and historical importance of Kasaragod. Even then, the Centre should have an upper hand to get in touch with all progressive movement towards the growth of Malayalam language all around the world by independent agencies and institutions, Academies, and other sources and Universities, where programmes related to the Malayalam language is underway. The dream of the department for the center materialized in the year 2018. The center was inaugurated by Hon Mizoram Governor Shri. Kummanam Rajasekharan with his blessing speech on 24/07/2018. On behalf of the center many programmes were conducted.

Name of the Head of the Centre / Cell / Section: Dr. V Rajeev

Brief summary of the activities carried out by the Centre / Cell / Section:

Organized Two programmes in the year 2019-20.

Two day national Conference on Art, Literature and Culture in association with School of Cultural Studies.

Mother tongue day celebrations on 26/02/2020.

## School of Legal Studies

Dean of the School: **Prof. (Dr.) M R Biju**

# Department of Law

Head of the Department: **Dr. Gireesh Kumar. J**

Programme Offered: **LLM and Ph.D.**

Aspiring to emerge as a premier center of legal scholarship, CU-Kerala offers a general/flexible LLM program that will cater to the needs of society, government and client. Our faculty of experts with extensive research/ real-world experience is committed to teaching, and our staff is dedicated to serving the needs of all our students. CUK Law Campus is located at Thiruvalla, close to the Thiruvalla court Centre that houses Family Court, Sub Court, Munsiff's Court and the Judicial First Class Magistrate Court - enabling students to have a practical interface with the legal system. The High Court of Kerala is only a two-hour drive from the Law Campus. LLM and PhD courses are offered at the Law campus, Pathanamthitta.



<b>Present Faculty Position</b>									
Posts	Sanctioned		Filled up		Vacant		Total		
Assistant Professor	4		4		0		4		
Associate Professor	2		0		2		0		
Professor	1		1		0		1		
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
LLM	34	1	0	13	0	0	48	18	30
PhD	7	0	0	2	0	0	9	4	5

<b>Faculty Details</b>									
Dr. Gireesh Kumar J, Assistant Professor									
Specialization : Constitutional Law, Administrative Law and Human Rights									
Dr. Jayasankar K.I, Assistant Professor									
Specialization : Constitutional Law and Criminal Law									
Dr. Meera S, Assistant Professor									
Specialization : Constitutional Law and Administrative Law									
Aathira Raju, Assistant Professor									
Specialization : Human Rights Law, Environmental Law and International Law									

List of Member of Board of Studies:

Dr. Gireesh Kumar.J (chairperson),  
Dr.K.C. Sunny (Invited member),  
Dr. Bismi Gopalakrishnan,  
Dr. Balakrishnan,  
Dr. Lekshmi G.R

Publications of the Faculty

Dr.Gireesh Kumar.J "Introduction to Legal Process" "Handbook on NRI Laws" Book comprising research articles on NRI Laws by Department of Law, Central University of Kerala Volume-I, Issue-I, July, 2019. (ISBN- 978-93-5382-259-0 1-25). 2019

Dr.Gireesh Kumar.J The Role of Social Institutions in Ensuring Gender Justice" Book on "Realization of Human Rights of Women-Changing Dimensions, Challenges and Recourse" published by NUALS, Kochi, Kerala Volume-I, Issue-I, February, 2020. (ISBN- 978- 81-938852-8-4). 2019

Dr.Gireesh Kumar.J Right to Food, Food Safety and Affordability: Issues and Challenges in India, Book published by the Department of Law, School of Legal Studies, Central University of Kerala Volume-I, Issue-I, February, 2020. (ISBN- 978-93-5396-695-9). 2020

Dr.Jayasankar K.I Cyber Terrorism-a war against the security of the state Indian Bar Review

Vol.45(1)2018 (UGC Approved Journal- Journal No.41332) 2018

Dr.Jayasankar K.I Human Rights of Sexual Minorities with Special Reference to Trans genders in India-Legally Recognized and Socially Reprobated Human Rights and Constitutional Governance, ISBN No.978-93- 5346-708-12019

Dr. Meera.S Children and their Rights in Disasters A convention Approach, Human Rights and Constitutional Governance, ISBN No.978-93- 5346-708-1 (2019)

Dr. Meera.S Protection women prisoners-An International Perspective Proceedings of the International Seminar on Realization of Women's Rights: International and National Perspective, ISBN 978-93-5351-440-2(2019)

Contributions of Edited book:

Dr. Jayasankar K.I, (2018) 'International Instruments Focusing on Women's Emancipations' (pp 48-50) in Legislative Mandate Towards Tribal Women, ISBN 978- 93-86778-34-5

Dr.Jayasankar K.I, (2018) 'Human Rights of Sexual Minorities with special reference to Transgender in India-Legally Recognized and Socially Reprobated', in Human Rights and

Constitutional Governance (pp.91-96), Department of Law, Central University of Kerala, ISBN 978-93-5346-708-1

Programmes Conducted by the Department  
Department of Law organized Symposium on "Criminal Justice Administration in India, Recent Trends" on 26th April 2019. Prof. Dr. Mehraj Uddin Mir (Honorable Vice Chancellor of Central University of Kashmir) was the Chief Guest for the function and Prof. Dr. K.C Sunny (Honorable Vice Chancellor of NUALS) was the Guest of Honour.

Felicitation to UGC- NET Holders of Students of the Department who cleared UGC-NET during December 2018 and June 2019 session, 23 July 2019, Prof. Dr. K C Sunny (Hon'ble Vice Chancellor of NUALS, Kochi) was the Chief Guest of the function.

Discussion on Draft National Education Policy 2019, 23 July 2019.

Department of Law organized Special Lecture of Prof. Dr. Mehraj Uddin Mir (Honorable Vice Chancellor of Central University of Kashmir) on 26<sup>th</sup> April 2019 on Special Status of Jammu and Kashmir under Article 370 of Constitution of India".

One Day International Symposium on "Law, Ethics and Human Rights, Transnational Perspective", 1<sup>st</sup> July 2019, Prof. Dr. K C Sunny (Hon'ble Vice Chancellor of NUALS, Kochi) was the Chief Guest of the function and Prof. J Danixia Cuevas J.D. (Prof., Miami Dade College, USA) delivered the Special Address.

#### Students Achievements

##### UG/PG Students:

Arjun Philip George of 3<sup>rd</sup> Semester LLM Co-authored an Article Titled "Denying Women Their Freedoms" which was published as THE HINDU web special edition of, 22 Sep 2019, <https://www.thehindu.com/opinion/ope-n-p-a-g-e/d-e-n-y-i-n-g-w-o-m-e-n-t-h-e-i-r-freedoms/article29477036.ece>.

Arjun Philip George of 3<sup>rd</sup> Semester LLM and Devi Sanal, PhD Scholar participated and presented a paper titled "Farmers Rights in Patent

Regime: Justice and Morality" paper in Two Day International Inter Disciplinary Seminar on Intellectual Property Rights and Sustainable Development organised by Bharata Mata School of Legal Studies, Aluva in collaboration with Bharata Mata College of Commerce and Arts.

Arjun Philip George of 3<sup>rd</sup> Semester LLM published an article titled "Activist Judiciary and Transformative Constitution", in Vol.2 Issue.4 of International Journal of Law Management and Human Rights bearing ISSN [2581-5369], indexed at I2OR, ISI, SIS, DRJI, and SJIF with Impact factor of 2.008 as evaluated by I2OR for Year 2018.

Arjun Philip George of 4th Semester LLM published a paper titled "Minimum Income Guarantee – A Transformative Idea: The Need to Strike a Balance" in a Book titled "Changing Counters of Economic Reforms and Emerging Economies" bearing ISBN 978-81-938852-5-3 published by Centre for Parliamentary Studies and Law Reforms, The National University of Advanced Legal Studies, Kochi after a process of double blind peer review.

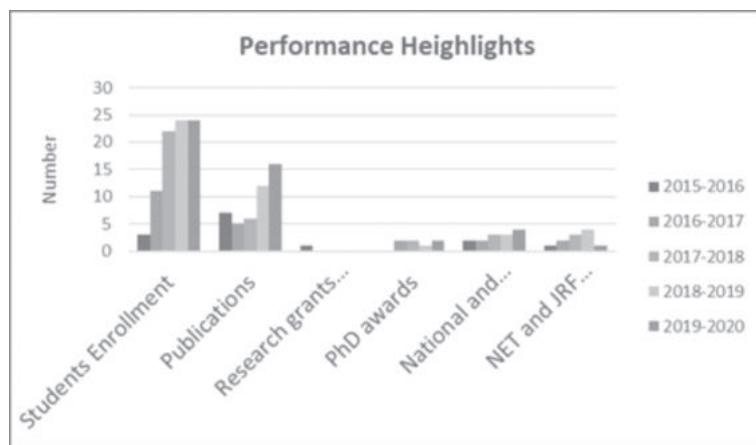
Arjun Philip George of 4th Semester LLM along with Lekshmi Shibu Vishnupriya P. Govind alumnus Department of Law published an article titled "Moral Vigilantism Imposing of State Morality Over the Civil Society" in a book titled "Human Rights and Disability Law" bearing ISBN 978-93-87294-32-5. published by VICTORIOUS PUBLISHERS INDIA (National Publishers).

Arjun Philip George of 4th Semester LLM published abstract of paper titled 'State Another Name of Moral Thought Police" in Law Mantra National Monthly Journal, December 2019, Vol.6, Issue 5 & 6, I.S.S.N 2321 6417.

Nithya A. and Ameera H. of 4th Semester LLM participated and presented a paper titled "Crimes Against Women in India" in Three Day International Seminar on Eliminating Structural Barricades in Achieving Gender Justice organized by Department of Law, University of Calicut.

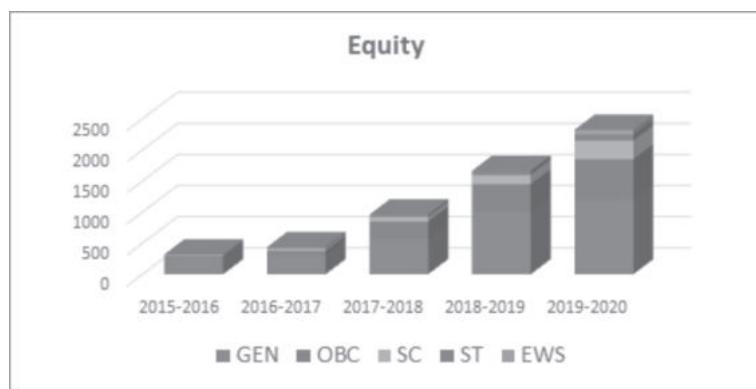
### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	3	11	22	24	24
2	Publications	7	5	6	12	16
3	Research grants obtained by faculty members in the financial year	1	0	0	0	0
4	PhD awards	0	2	2	1	2
5	National and International events conducted	2	2	3	3	4
6	NET and JRF Qualified	1	2	3	4	1

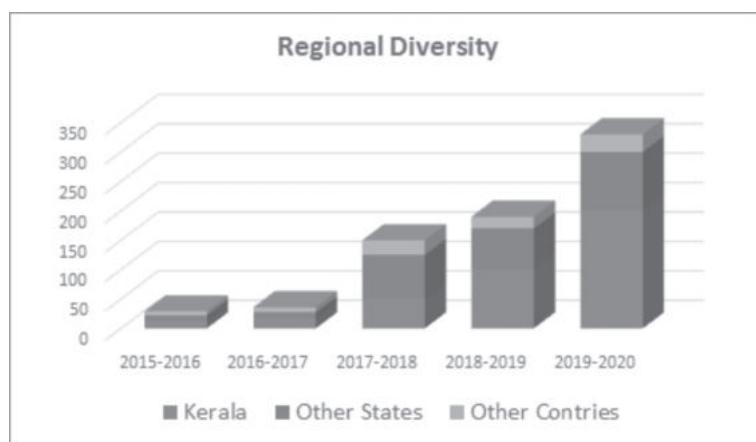


### B. Student equity, diversity and inclusion comparison charts.

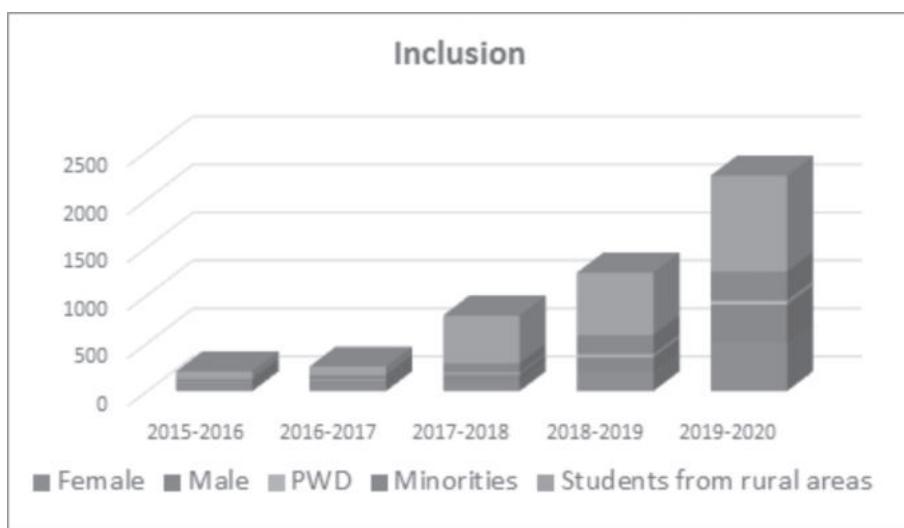
Equity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	250	300	550	1000	1200
2	OBC	40	75	300	450	650
3	SC	20	40	75	150	300
4	ST	10	20	35	65	100
5	EWS	0	0	0	0	75



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	12	15	50	100	200
2	Other States	10	12	75	70	100
3	Other Countries	7	9	25	20	30



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	65	75	100	200	500
2	Male	30	35	75	150	400
3	PWD	5	6	15	35	45
4	Minorities	25	50	100	200	300
5	Students from rural areas	80	90	500	650	1000



## School of Medicine & Public Health

Name of the Dean of the School: **Dr. Rajendra Pilankatta**

# Department of Public Health and Community Medicine

Head of the Department: **Dr. Elezebeth Mathews**

Programme Offered: **MPH & Ph.D**

The Department of Public Health and Community Medicine (PHCM) was established on 15th January 2016 and is the first Department under the School of Medicine and Public Health (SMPH). It is envisaged as a service oriented, academic and research based institution. The Department is offering a full-time, regular, on-campus, two year Master of Public Health programme, spread across four semesters. In addition, the department also offers PhD in Public health.



<b>Present Faculty Position</b>		Sanctioned	Filled up		Vacant		Total		
Posts									
Assistant Professor		4	4		0		4		
Associate Professor		2	0		2		2		
Professor		1	1 (Contract)		0		0		
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
MPH 2018-20	06	05	0	15	0	0	26	10	16
MPH 2019-21	11*	02	0	11	0	01	25	6	19*
PhD	04*	0	0	01	0	0	05	02*	03

#### **Faculty Details:**

Prof. (Dr) K.R Thankappan, Professor

Specialization : Chronic Disease Epidemiology, Health Policy, Health Systems Research

Dr Elezebeth Mathews, Assistant Professor

Specialization : Chronic Disease Epidemiology, Health systems research, health promotion, Diabetes Epidemiology

Dr. Sibasis Hense, Assistant Professor

Specialization : Human Resource for Health, Health Management, Health systems research

Mr.Kodali Prakash Babu, Assistant Professor

Specialization : Health systems research, Health economics

Ms.Jayalakshmi Rajeev, Assistant Professor

Specialization : Health Policy, Child Health and nutrition. Health Inequalities

List of Member of Board of Studies:

Dr. Elezebeth Mathews

Prof. (Dr.) K R Thankappan

Prof. (Dr.) V Ramankutty

Dr. Vijayakumar K

Dr. B Unnikrishnan

Dr. RajendraPilankatta

Dr. Elezebeth Mathews

Publications of the Faculty

Dr. Elezebeth Mathews

VivekanandJhaPanniyammakalJeemon, Elezebeth Mathews (2019) Noncommunicable diseases: A modern condition? Nature India. doi. 10.1038/nindia.2019.60

Anjaly Joseph, Elezebeth Mathews, K R Thankappan.Why People use Private over Public Transportation? A Cross Sectional Study from Ernakulam District, Kerala. International Journal of Health Sciences and Research.10 (6); 179-187

Dr. Sibasis Hense:

Kodali, P. B., Hense, S., Kopparty, S., Kalapala, G. R., & Haloi, B. (2020). How Indians responded to

the ArogyaSetu app? Indian Journal of Public Health, 64(6), 228.

Mr. KodaliPakashBabu:

Kodali, P. B. (2019). Out of Pocket Costs of Institutional Delivery in Four Empowered Action Group States of India: An Analysis of NFHS 4 Data. Online Journal of Health and Allied Sciences, 18(3).

Bhagyalakshmi, C. K., &Kodali, P. B. (2019). Utilization of noncommunicable disease services provided by public health facilities in Kasaragod, Kerala. Archives of Medicine and Health Sciences, 7(1), 18. DOI. 10.4103/amhs.amhs\_132\_18

Ms. Jayalakshmi Rajeev:

Reshma, H., Jayalakshmi, R. (2020). Prevalence of Acute Pesticide Poisoning among pesticide applicators in cardamom plantations: a cross-sectional study from Idukki district, Kerala. Indian journal of Occupational and environmental Medicine.

Ongoing Projects:

Ms. Jayalakshmi Rajeev was awarded with a minor research project entitled "Assessment

of employability skills: a mixed-method study of post-graduate public health students of Central University of Kerala" funded by PMMMNMTT, School of Education (SoE), Central University of Kerala. With sanction Order No. CUK/SoE/PMMMNMTT/MRP/2018-19/409 dated 25-02-2019, total amount sanctioned for the project is INR 2,00,000.

Dr. Elezebeth Mathews was awarded the Wellcome Trust DBT India Alliance Fellowship (2018-2023) for the study on "Randomized controlled trial to evaluate the effectiveness of a community based intense lifestyle intervention program to facilitate the regression to normoglycaemia among women with isolated impaired fasting glucose in Kasaragod district, Kerala, India. The award amount is 15.9 million Indian Rupees

Programmes Conducted by the Department  
Public lecture on 'sexual and reproductive health rights' by Prof. (Dr.) Sundari Ravindran on August 29, 2019.

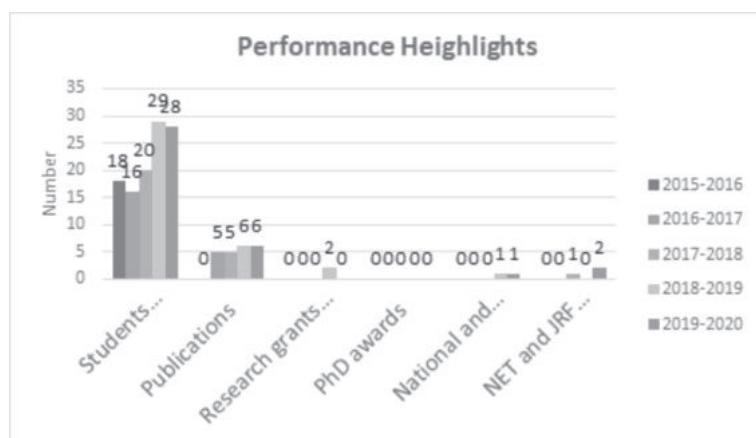
A two day national workshop on "Digital and m-health programmes: How to develop, implement and evaluate? was conducted in 5-6 July 2019.

Two Day International Conference on "The future of Healthy Ageing: Policy and Practice for a Decade and Beyond" which is jointly organised by the Dept of Public Health Community Medicine, CUK and Brunel University London, UK on 13-14 February 2020.

Students Achievements  
UG/PG Students: Dr. Haseena CV and Dr. Rahna K cleared UGC NET in December 2019

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	18	16	20	29	28
2	Publications	0	5	5	6	6
3	Research grants obtained by faculty members in the financial year	0	0	0	2	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	0	0	0	1	1
6	NET and JRF Qualified	0	0	1	0	2



# Department of Yoga

**Head of the Department: Dr. Subramanya Paloor**

**Programme Offered: M.Sc. & PG Diploma**

The Department offers the following fulltime regular programs in Yoga:

1. M.Sc. in Yoga Therapy -Duration 4 Semesters (2 Years)
2. Post Graduate Diploma in Yoga -Duration 2 Semesters (1 Year)

Admission criteria for the above two Programs: Candidates must have passed a bachelor's degree in any discipline with a minimum of 50% marks in 10+2+3 patterns of education from a UGC recognized University. Admission will be purely on the basis of the merit evaluated through Central University Common Entrance Test (CUCET).

Department of Yoga Studies instituted on 2nd March 2018 under the School of Medicine and Public Health, is a recent addition to the niche educational curriculum and pedagogy of Central University of Kerala. It is a matter of pride that Central University of Kerala, is one of the six Central Universities in India identified by the Ministry of Human Resource Development, Government of India, to offer a range of programs in Yoga. Presently, M.Sc. (Yoga Therapy) and Post Graduate Diploma in Yoga (PGDY) courses are being offered by the Department. The pedagogy covers the study of traditional and philosophical aspects of Yoga. Integrated with this are practical sessions to impart knowledge of therapeutic applications of Yoga. Ph.D. programs and research-oriented activities will start in the Department shortly.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total
Posts					
Assistant Professor	02		NIL	02	02
Associate Professor	01		NIL	01	01
Professor	NIL		NA	NA	NIL

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
M.Sc. [Yoga Therapy]	42	4	1	22	0	5	74	26	48
PG Diploma in Yoga [PGDY]	09	0	0	0	0	0	09	02	07

#### **Faculty Details:**

Dr. Subramanya Pailoor, Academic Coordinator

Specialization : Yoga Therapy, Yoga Philosophy, Applications of Yoga, Scientific Research in Yoga, Psychophysiology of Yoga

Dr. Ganapathy Jois, Asst. Professor

Specialization : Yoga Therapy, Yoga Philosophy, Applications of Yoga, Yoga Shastra, Jyotishya (Astronomy & Astrology)

#### List of Member of Board of Studies:

Dr. Rajendra Pilankatta, Dean – School of Medicine and Public Health, CUK - Chairman  
 Prof. K. Subrahmanyam, Pro-Vice Chancellor, S-VYASA (Deemed University), Bangalore - Member  
 Dr. Prashanth Shetty, Principal, SDM College of Naturopathy and Yogic Sciences, Ujire, Mangalore - Member  
 Dr. K. Krishna Sharma, Head – Dept. of Human Consciousness and Yogic Sciences, Mangalore University, Mangalore -Member  
 Dr. Vijaya Kumar, Professor, Community Medicine, Ernakulam, Kerala - Member  
 Dr. Manjunath N.K., Professor & Director - Research, S-VYASA (Deemed University), Bangalore - Member  
 Dr. Ramesh M N., Professor & Head, Dept. of Molecular Biology, S-VYASA (Deemed University), Bangalore - Member  
 Dr. Annapoorna K., Professor & Head, Dept. of Yoga, Centre for Integrative Medicine & Research, Manipal Academy of Higher Education, Manipal – Member  
 Dr. Subramanya Pailoor, Associate Professor (On Contract) & Head (i/c),- Convener

#### Publications of the Faculty

Sharma, K. N., Chaudhary, N. R., Subramanya, P. (2019). Evidence base of yoga studies on

cardiovascular health: A bibliometric analysis.

International Journal of Yoga, 12(2), 162-171.

Sharma, K. N., Subramanya, P., Choudhary, N. R., Smeeta S. (2019). Development of a yoga module targeting cardiovascular health for patients with post-myocardial left ventricular dysfunction in India. Complementary Therapies in Medicine, 42, 170-177.

Sriharisukesh, N., Subramanya, P. (2019). A review of the asanas referenced in the ancient text and a brief comparative study of the selected asanas. International Journal of Sanskrit Research, 5(4), 270-273.

Thangalakshmi, R., Subramanya, P. Kashinath, M., & Babu, N. (2020). Effect of yoga on psychological states, sleep and emotional intelligence of school teachers suffering from T2DM: A pilot study. Voice of Research, 8(4), 44-58.

#### Books:

Sriharisukesh N, YogasanaSamahara (A Unique Compilation of 72 Traditional Asanas), Walnut Publication, Kalinga Nagar, Bhuvaneshwar751013, ISBN 9789389355062.

#### Programmes Conducted by the Department

5<sup>th</sup> International day of Yoga celebration on 21<sup>st</sup> June 2019 Convenor/Coordinator: Dr. Subramanya Pailoor 5<sup>th</sup> International Day of

**Yoga – June 21, 2019**

Organized A Three-day National Seminar in association with Vivekananda Kendra, Kanyakumari between January 10-12, 2020, Convenor/Coordinator: Dr. Subramanya Pailoor

Department in association with the University Health Centre Conducted a seminar and awareness program on the occasion of World Mental Health Day – October 10, 2019. Convenor/Coordinator: Dr. Subramanya Pailoor

**Other Achievement by the Faculty:**

**Outreaching or Extension Activities of the Department of Yoga Studies:**

The faculty members and the students of Department of Yoga Studies functioning under School of Medicine and Public Health were actively involved in conducting Yoga training for the community in and around of Central University of Kerala, Kasaragod District. During exposure to the community the students under the supervision of faculty members were also involved in health awareness programme emphasizing to adopt Yogic life style to keep the body and mind healthy to be free from both communicable and non-communicable diseases. Following are the details of outreaching or extension activities conducted by the department during 2019-20.

Organized Two days National Seminar on "Yoga for World Peace Harmony & Love" in collaboration with Satyananda Yoga Research Centre, on 20<sup>th</sup> and 21<sup>st</sup> of April 2019 at Kozhikode.

The Director General of Prisons and Correctional Services, Prisons Headquarters, Kerala, has conveyed permission to impart Yoga training to the prisoners of District Jail, Hosdurg, Kasaragod and Central Jail Kannur. Accordingly the Yoga training to the prisoners of District Jail, Hosdurg has been started under the direct supervision of the Yoga experts of this department from 19<sup>th</sup> September 2019 to manage their anxiety, stress and to reduce their tendency to commit antisocial and criminal behavior.

Organized Three days National Yoga Conference on Yoga Sastra sangamam from 9 to 11 January 2020 in collaboration with Vivekananda Rock Memorial and Vivekananda Kendra, Kanyakumari at its Kanyakumari Centre. The National conference highly benefited to the faculties and students of this Department by all means especially to meet eminent speakers in Yoga, various renowned Yoga Intuitions of our country etc.

Conducted Yoga Training to the B.Ed students of Mahatma Gandhi College, Nileshwaram to reduce their stress and to improve cognitive functions.

Conducted Adaptive Yoga training programme to the differently abled of Rotary school Mavunkal, Kasaragod to improve their cognitive and psychomotor abilities.

Conducted Restorative Yoga training to inmates of Old Age Homes in Kasaragod and Kannur Districts as an adjunctive therapy to manage and for treatment of various old age-related problems especially stress and anxiety.

School health awareness program was conducted in maintaining the physical and mental health of students properly with Yogic life style. Conducted Yoga training to 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> standard students of Model Residential School Paravanadukkam, Government HSC Ravaneeshwaram, Kasaragod and Jawahar Navodya Vidyalaya Periya to improve their health and physical fitness.

**Students Achievements of the Department of Yoga Studies:**

Dept of Yoga Studies students won 1st prize in mime, 1<sup>st</sup> and 2<sup>nd</sup> prize in Hindi speech, and 1<sup>st</sup> in the Hindi essay competitions organized in coherence with the Swachatha Pakhwada and Hindi day celebrations.

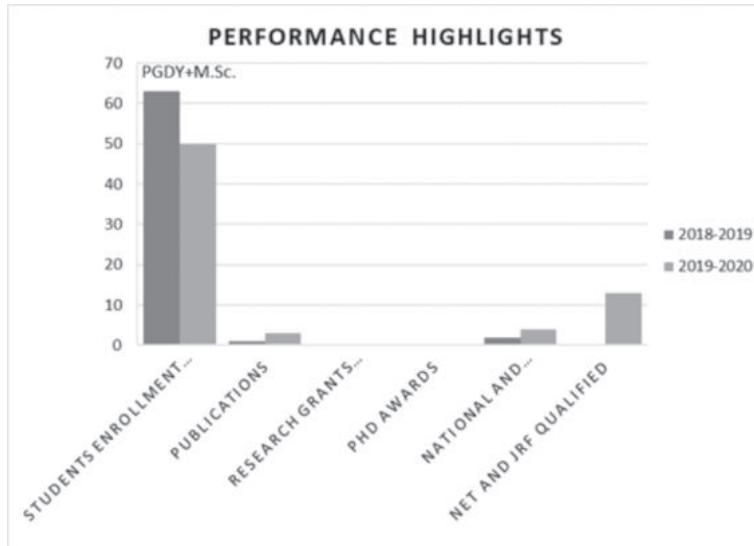
One student (Mr. Vishnu V) from the department was honored with 6<sup>th</sup> position in the 44th Senior National Yogasana Sports Championship in Rajasthan organized by Yoga Federation of India.

Students of the Department actively participated in All India Inter University Yoga

Championship 2019-20 held at Rajiv Gandhi University of knowledge technologies, Nuzvid, Andra Pradesh on January 6-11, 2020.

13 Students of the Department passed the UGC NET examination held 2019-2020.

#### **Analytical data of the Department of Yoga Studies:**

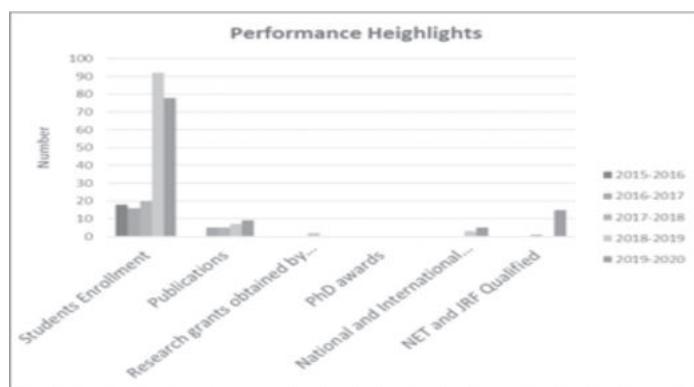


#### **Analytical data of the School of Medicine and Public Health**

##### **A. Performance highlights**

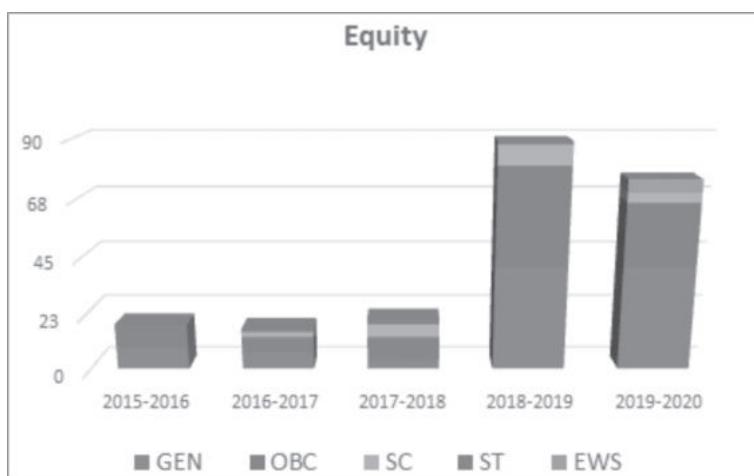
#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	18	16	20	92	78
2	Publications	0	5	5	7	9
3	Research grants obtained by faculty members in the financial year	0	0	0	2	0
4	PhD awards	0	0	0	0	0
5	National and International events conducted	0	0	0	3	5
6	NET and JRF Qualified	0	0	1	0	15

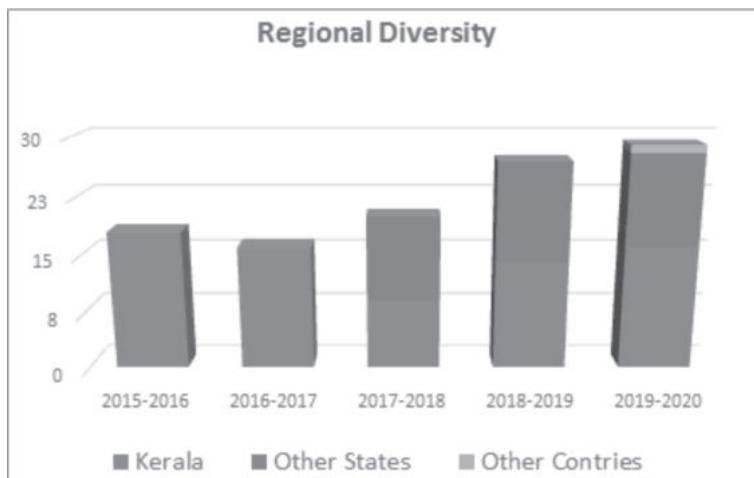


### C. Students' Equity, Diversity, and Inclusion Analysis

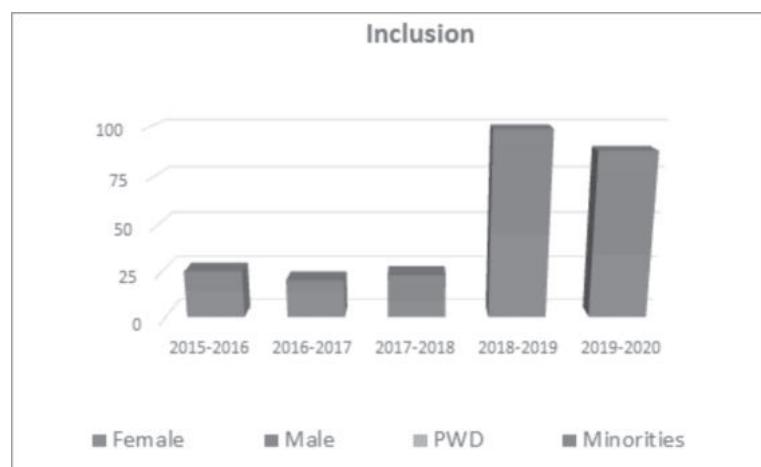
Equity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	9	7	4	41	41
2	OBC	9	6	9	39	25
3	SC	0	2	5	8	4
4	ST	0	1	2	1	0
5	EWS	0	0	0	0	5



Regional Diversity						
Sl.No	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	18	16	9	14	16
2	Other States	0	0	11	13	12
3	Other Countries	0	0	0	0	1



Inclusion						
Sl.No	Caterogy	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Female	14	14	9	45	34
2	Male	4	2	11	47	44
3	PWD	0	0	0	0	0
4	Minorities	7	4	3	7	10
5	Students from rural areas					



## School of Physical Sciences

Dean of the School: Prof.(Dr.) M R PrathapachandraKurup

# Department of Physics

Head of the Department: Dr. Swapna Nair

Programmes Offered : M.Sc. & Ph.D.

Department of Physics started functioning in 2010 at Riverside Transit Campus, Padannakkad. Our current areas of research are Condensed Matter Physics (Theory and Experiment), Photonics, Materials Science, and Nuclear Physics. Currently there are six regular faculty members in the Department. The Department of Physics offers M.Sc. and Ph. D programmes. We currently have 62 M. Sc students, and 25 research students. A total of 7 PhD projects have been completed. The Department has well-equipped teaching laboratories including modern experimental setups for achieving high standards in learning. The curriculum is framed in such a way that students are able to achieve sound theoretical foundation and problem solving skills in all subjects, and exposure to a range of research areas is provided through a choice of elective courses. M.Sc. students are given hands-on training in all aspects of the subject being taught, from computation to sophisticated experiments, and they also undertake research projects in



various research groups as part of the curriculum. We encourage our students to present their work in conferences, and to publish their work in journals. We do give much emphasis to presentation skills and writing skills, and train/encourage students to appear for national level exams such as GATE and NET.

Experimental facilities for research include a Vibrating Sample Magnetometer, Table top XRD system, thin film fabrication facilities including RF sputtering, nuclear data acquisition system, as

well as various analytical instruments. A computational laboratory featuring Apple workstations, Dell workstations, and softwares such as Matlab, Mathematica, VASP (Materials Design), Gaussian, Comsol etc. support the theoretical work in both teaching and research. A computer cluster ("PHOTON") with 64 processing cores is also part of the Computing laboratory. Our library has a very good collection of textbooks of core courses, and advanced books and journals on topical research areas.

<b>Present Faculty Position</b>									
Posts	Sanctioned	Filled up			Vacant			Total	
Assistant Professor	4		3			1			
Associate Professor	2		2			0			
Professor	1		1			0			

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
M.Sc	8	6	1	16		6	37	17	20
Ph.D				1			1		1

#### **Faculty Details**

Dr.K.J.Thomas, Professor

Specialization : Mesoscopic Physics

Dr.Vincent Mathew,Professor

Specialization : Computational Physics

Dr.Swapna S Nair, Associate Professor

Specialization : Low dimensional structures for functional devices, (NEMS/MEMS, nanoenergy harvesters, semiconductor optoelectronics and thin film solar cells), Biosensors and biomaterials

Dr.E.Prasad, Assistant Professor

Specialization : Nuclear Physics

Dr.Subasa Chandra Sahoo, Assistant Professor

Specialization : Magnetic Materials, Thin Films, Carbon and Diamond Related Materials

Dr.P.M.Aneesh, Assistant Professor

Specialization : Nanostructures and Devices

List of Member of Board of Studies:

Dr.Swapna S. Nair Chairperson

Prof. K.J.Thomas

Prof. Vincent Mathew

Dr.Subasa Chandra Sahoo

Dr.Manikandan Ranngaswamy

Prof.C.Vijayan

Prof.Chandrasekharan

Prof.Manjunath Pattambi

Prof.M.K.Jayaraj

#### **Publications of the Faculty**

Conductance quantisation in patterned gate In $\epsilon$  .  $\pm$  ... GA $\epsilon$  . , ... AS up to  $6 \times (2e^2/h)$   
Condensed Matter 31

2019, Variations of non-linear optical properties and susceptibility with layer thicknesses of CdS/ZnS/CdS/ZnS multilayer quantum dot Superlattices and Microstructures, 12

2019, Optical Properties of Planar and Annular Ternary Superconducting Photonic Crystals in

Near-Zero-Permittivity Operation Range Journal of Superconductivity and Novel Magnetism (Accepted)

2019, Photonic Crystal-Based Logic Gates Advances in Photonic Crystals and Devices

2020, "Density functional study of magnetic, structural and electronic properties of quasi-one-dimensional compounds CrSbX<sub>3</sub> (X= S, Se)" Computational Condensed Matter 23

2020, "Extended first integral method for investigating nonlinear surface plasmonpolaritons in dielectric-metal-nonlinear slab waveguides" AIP Conference Proceedings

2020, "Theoretical and computational study of instability in streaming negative ion plasma under static magnetic field" The European Physical Journal

2019, Strong sub-resonance magnetoelectric coupling in PZT-NiFe<sub>2</sub>O<sub>4</sub>-PZT thin film composite Nano-Structures & Nano-Objects 18

2019, Cytotoxicity of nanoparticles - Are the size and shape only matters? or the media parameters too?: a study on band engineered ZnS nanoparticles and calculations based on equivolume stress mode Nanotoxicology 0

2020, Facile coconut inflorescence sap mediated synthesis of silver nanoparticles and its diverse antimicrobial and cytotoxic properties Materials Science and Engineering: C

2020, Effect of nickel doping on structural and magneto-optical properties of Fe<sub>3</sub>O<sub>4</sub> ferrofluids Materials Today: Proceedings

2020, Label Free, Nontoxic Cu-GSH NCs as a Nanoplatform for Cancer Cell Imaging and Subcellular pH Monitoring Modulated by a Specific Inhibitor: Bafilomycin A1 ACS Applied Bio Materials

2019, Nuclear dissipation at high excitation energy and angular momenta in reactions in reaction forming <sup>227</sup>Np Physical Review C, 9

2019, Mechanisms Suppressing Superheavy Element Yields in Cold Fusion Reactions Physical review letters , 122

2019, Measurement of fusion evaporation residue cross sections in the <sup>48</sup>Ti+<sup>138</sup>Ba reaction Physical Review C 100

2020, Evaporation residue measurements of compound nuclei in the AH"200 region Physical Review C, 101

2020, Spin-phonon coupling in Mn-Bi co-doped SmFeO<sub>3</sub>: An experimental study Journal of Magnetism and Magnetic Materials, 513

2020, Pulsed Laser Deposited CoFe<sub>2</sub>O<sub>4</sub> Thin Films as Supercapacitor Electrodes RSC Advances, 10

2020, Structural, dielectric and magnetic properties of Bi-Mn doped SmFeO<sub>3</sub> Ceramics International. 46

2020, Effect of magnesium substitution on structural and magnetic properties of nickel ferrite nanoparticles Journal of Superconductivity and Novel Magnetism 33

2019, Magnetic properties of Zn-ferrite nanoparticles prepared by sol-gel and coprecipitation methods Materials Research Express, 6

2019, Enhanced Optical, Magnetic and Hydrogen Evolution Reaction Properties of Mo<sub>1-x</sub>Ni<sub>x</sub>S<sub>2</sub>Nanoflakes RSC Advances 9

2019, Phase Engineering from 2H to 1T-MoS<sub>2</sub> for Efficient Ammonia PL Sensor and Electrocatalyst for Hydrogen Evolution Reaction Journal of Electrochemical Society, 166

2020, MoS<sub>2</sub> nanoparticles induce behavioral alteration and oxidative stress mediated cellular toxicity in the social insect Oecophylla smaragdina (Asian weaver ant) Journal of Hazardous Materials, 385

Books:

Dr.Swapna S.Nair

Springer Book Series : Progress in Optical Sciences and Photonics

Book title: Engineered Nanomaterials for luminescent devices, sensors and bio-imaging Applications

Book Chapter: 4 (Invited, In Press) Elsevier Publishers

Hybrid magnetoelectric Multiferroics - Fundamentals

Hybrid magnetoelectric Multiferroics -

Development techniques and characterisation  
VSM based Magnetic characterization techniques  
of nanomaterials  
Hybrid magnetoelectric Multiferroics -  
Applications

#### Ongoing Projects:

Dr.E.Prasad is awarded with a project entitled ".Systematic investigation of the effect of neutron excess in ER survival probability against fission in heavy ion fusion reaction" funded by IUAC-UFR agency. With sanction Oder No. Total amount sanctioned for the project is 6,75,000.00

Dr.SwapnaS.Nair is awarded with a project entitled "Role of Copper handling proteins in Cisplatin Drug resistance" funded by DBT, India agency. With sanction Oder No. Total amount sanctioned for the project is Rs.25,00,000

Dr.SwapnaS.Nair is awarded with a project entitled "Novel Lead free 1-D magneto electrics based on Niobates and Metglas and optimisation of their properties for nanocantilevers and field sensor applications" funded by DST - SERB agency. With sanction Oder No. Total amount sanctioned for the project is Rs.22,56,000/-

Dr.SwapnaS.Nair is awarded with a project entitled "Development of geometry and interface engineered lead free biocompatible magneto electric nanorod arrays for next generation self powered sensors, energy harvesters and futuristic implantable devices" funded by DST CRG agency. With sanction Oder No. Total amount sanctioned for the project is Rs.67,00,000

Dr.P.M.Aneeshis awarded with a project entitled "Solution processed organic solar cells with inverted configuration for the improved photovoltaics" funded by DST- SERB- ECRagency. With sanction Oder No. Total amount sanctioned for the project is Rs 43,70,515

#### Projects completed in 2019-20

Dr.SwapnaS.Nair, Development of novel lead free magneto electric multiferroics by chemical

methods (UGC), India, Rs. 6,00,000  
Dr.Chitralekha C.S.  
Dr Swapna S Nair (Mentor), Structural electrical and magnetic properties of Niobates based lead free multiferroics DST, Rs. 20,00,000/-  
Dr.E.Prasad, A systematic study of fusion and quasifission in heavy nuclei- paving the road to new element synthesis. (Indo-Russian bilateral project) DST-RFBR, Rs.18,57,200.00  
Dr.E.Prasad, Searching the stabilizing effects of N=126 in compound systems formed in heavy ion collisions IUAC-UFR, Rs. 6,75,000.00

#### Other Achievement by the Faculty

Dr E Prasad  
Invited plenary speaker in International conference on Nuclear energy and Nuclear technologies, Tashkent  
Invited speaker, Flerov Laboratory of Nuclear Reactions, Joint Institute of Nuclear Reactions, Russia  
Speaker, Heavy Ion Accelerator Symposium, Australian National University, Canberra.  
Honoring Visitor Australian National University (June- July 2019)  
DST- REBR International Project (2017-19)  
Dr.SwapnaS.Nair

#### Awarded patents

OPTICAL LIMITING FERROMAGNETIC NANOPARTICLES AND DEVICE THEREOF, M.R. Anantharaman, Reji Philip, Swapna S. Nair, 315834, 11/07/2019, India, Granted

International Conference on Physics of Materials and Nanotechnology, Mangalore University ,21 September 2019-Plenary Talk

International seminar on Advances in Nanomaterials and Nanotechnology, Marthoma College Thiruvalla, Aug, 2019 -Plenary Talk

National seminar on contemporary trends in Physics, Sir Syed College, Kannur, Nov. 2019

Dr. S. C. Sahoo

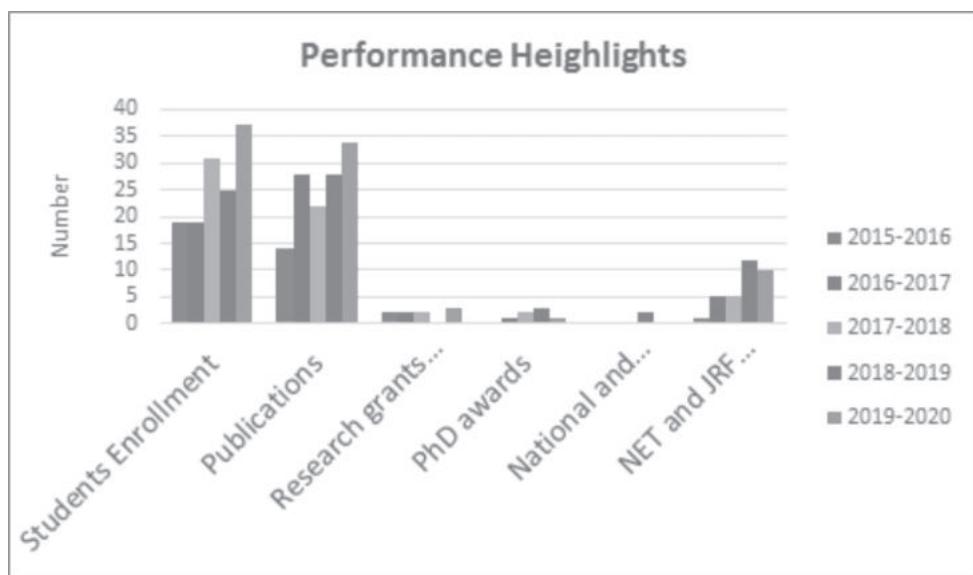
Dr. S.C. Sahoo delivered an invited talk at a national seminar on "Advanced condensed matter Physics" during 4-5 Dec 2019 organized by Department of Physics, University of Calicut.

Dr.P.M.Aneesh  
 Project under DST – Early Career Research (ECR)  
 Category

Students Achievements  
 12 students cleared CSIR Junior Research Fellowship during the academic year.

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	19	19	31	25	37
2	Publications	14	28	22	28	34
3	Research grants obtained by faculty members in the financial year	2	2	2	0	3
4	PhD awards	0	1	2	3	1
5	National and International events conducted	0	0	0	2	0
6	NET and JRF Qualified	1	5	5	12	10



# Department of Computer Science

Head of the Department: **Dr. Rajesh R.**

Programmes offered: **M.Sc., Ph.D.**

The Department of Computer Science started functioning in Aug 2011 with Dr. E Balagurusamy, former Vice-Chancellor, Anna University, Chennai, formally inaugurating its activities. The Department offers MSc Computer Science with a specialization in Intelligent Systems. The courses are designed to equip the students for the IT industry and for streamlining them for taking up research in Intelligent Systems. State of the art computing facilities are available in the Department. Currently, the department has two labs General Computing Lab (for general computing requirements) and Signal Processing and Intelligent Systems Lab (for advanced research in Intelligent Systems). The Department also offers a Ph.D. program in Computer Science.

Since its inception, the Department has been organizing a host of curricular and co-curricular activities aiming at the academic enrichment of the students and faculty. The ASCI (Association of Students in Computational Intelligence -the technical forum of the Computer Science students) and IEEE Student Branch functioning under the patronage and guidance of the Department of Computer Science, regularly organizes seminars, training programs, discussions, and technical events for cultivation and fostering of research outlook among the students.



<b>Present Faculty Position</b>		<b>Sanctioned</b>	<b>Filled up</b>	<b>Vacant</b>	<b>Total</b>
Posts					
Assistant Professor	4	3	1	1	3
Associate Professor	2	1	1	1	1
Professor	1	0	0	0	0

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
M.Sc.	10	5	3	17	0	2	37	12	25
Ph.D.	0	0	0	2	0	0	2	1	1

### **Faculty Details**

Dr. Rajesh R., M.Sc., Ph.D, Associate Professor

Specialisation: Computational Intelligence (Fuzzy Systems, Genetic Algorithms), Nature Inspired Computing, Image Processing

Dr. Thasleema T.M., M.Sc., Ph.D., Assistant Professor

Specialisation: Automatic Speech Recognition, Natural Language Processing, Digital Signal Processing, Pattern classification and Artificial intelligence

Mr. Kumar V., MCA, M.Tech, Assistant Professor

Specialisation: Data Mining, Time Series Analysis and Forecasting, Algorithm Design and Analysis.

Dr. Manohar Naik S., MCA, M.Tech, Ph.D, Assistant Professor

Specialisation: Computer Networks, Network Security, Network Intrusion Detection Systems, Pattern Matching Algorithms, Wireless Sensor Networks

List of Member of Board of Studies:

Dr. Rajesh R., Department of Computer Science, CUK

Mr. V. Kumar, Department of Computer Science, CUK

Dr. K.A. Germina, Department of Mathematics, CUK

Dr. VineethPaleri, Department of Computer Science, NIT, Calicut

Dr. Arunkumar T., VIT

Prof. Manjaiah, Mangalore University

Dr. C. Chandrasekhar, IIT Madras

Mr. RageshN.K., Tata Elxsi

Mr. SagarPadmanabhan, Infosys

12(6), 866-872

Ragesh, N.K., Rajesh, R. (2019). Effect of parametric changes in convolutional neural networks for pedestrian detection - A study. International Journal of Engineering Research and Technology, 12(4), 579-587

Chenniappan, T., Rajesh, R. (2019). A hybrid genetic-fuzzy-rough-mutual information (GFRMI) based method for cancer classification. International Journal of Engineering Research and Technology, 12(4), 457-464

Adhish,N.K., Rajesh, R., Thasleema,T.M. (2020). A Hybrid Entropy Based Method Using Gaussian Kernel for Retinal Blood Vessel Segmentation. In: Abraham A., Cherukuri A., Melin P., Gandhi N. (eds) Intelligent Systems Design and Applications (Advances in Intelligent Systems and Computing), Springer, vol. 940, 272-279

Bhaskar, S., and Thasleema, TM. (2019). Scope for Deep Learning: A Study in Audio-Visual Speech Recognition. Proc. of the International Conference on Computational Intelligence and Knowledge Economy (ICCIKE),2019, pp. 72-77, doi:10.1109/ICCIKE47802.2019.9004287

Publications of the Faculty

Anil, A.R., Rajesh, R. (2019). Effects of distance metric in non-local mean filtering of ultrasound images. International Journal of Engineering Research and Technology, 12(3), 276-286

Ragesh, N.K., Rajesh, R. (2019). Pedestrian Detection in Automotive Safety: Understanding State-of-the-Art. IEEE Access, 7, 47864 – 47890, DOI: 10.1109/ACCESS.2019.2909992

Chenniappan, T., Rajesh, R. (2019). Rough image based ensemble of convolutional neural networks for object recognition. International Journal of Engineering Research and Technology,

#### Ongoing Projects:

Dr. Rajesh R. is awarded with a project titled "Increasing the interest on programming among higher secondary students – A study based on Training Higher Secondary Teachers in Enjoyable Programming" funded by PMMMNMTT, CUK with sanction order no. CUK/SoE/PMMMNMTT/ MRP/2018-19/413 dated 25/02/2019. Total amount sanctioned for the project is Rs. 1.5 Lakhs.

#### Programmes Conducted by the Department

AICTE Training and Learning Academy (ATAL) sponsored 5-day National Workshop on "Internet of Things" was coordinated by Dr. Rajesh R. from 16-20<sup>th</sup> October 2019

AICTE Training and Learning Academy (ATAL) sponsored 5-day National Workshop on "Robotics" was coordinated by Dr. Rajesh R. from 1<sup>st</sup> -5<sup>th</sup> November 2019

AICTE Training and Learning Academy (ATAL) sponsored 5-day National Workshop on "Cyber Security" was coordinated by Dr. Manohar NaikS. from 23<sup>rd</sup>-27<sup>th</sup> September 2019.

AICTE Training and Learning Academy (ATAL) sponsored 5-day National Workshop on "Artificial Intelligence" was coordinated by Dr. Thasleema T.M. from 30<sup>th</sup> September 2019 to 4<sup>th</sup> October 2019.

National Conference on Data Mining and Predictive Analytics was coordinated by Mr. Kumar V. from 17<sup>th</sup> January to 18<sup>th</sup> January 2020.

#### Other Achievement by the Faculty

Dr. Rajesh R. got outstanding IEEE student branch counsellor award from IEEE Malabar Subsection for the year 2019

#### Students Achievements

##### UG/PG Students:

Shibina B. (M.Sc. 2016-18) secured UGC NET examination in July 2019

Shaheen A Khader (PCS051723), Student of M.Sc. Computer Science (2017- 19 batch) has been selected for Google Summer of Code (GSoC 2019) for the project entitled "Speech Recognition and Speaker Diarization for Indian English and Hindi" under the guidance of Dr. Thasleema T M, Assistant Professor, Department of computer Science, CUK. 27th May – 26th Aug 2019

Anumod K.K., 2nd year MSc Computer Science

student has participated in National Athletic Meet (south zone football) at Vellore Institute of Technology during Dec 9th 2019 to Dec 16th 2019.

Nishaban P K, 2nd year MSc Computer Science student has Participated in 'Mehandi Competition' at 35th South Zone Inter University Youth Festival – 2019 (18th-22nd December) ALAGAPPA UNIVERSITY, Karaikudi, Tamil Nadu, India

Soumen Das, 2nd year MSc Computer Science student has participated in "Clay Modelling" in 35th Inter University South Zone Youth Festival organized by Association of Indian Universities, ALAGAPPA UNIVERSITY, Karaikudi, Tamil Nadu, India for during 18-22 December, 2019

Vishnu M P, Amith, V, PrithvirajM.K., 2nd year MSc Computer Science students has participated in National Athletic Meet (south zone Cricket) at university of Mysore during 28-11-2019 to 11-12-2019.

Vishnu M P, 2nd year MSc Computer Science student has participated in south zone badminton at SRM university during 15th to 19th December 2019

Amith V, 2nd year MSc Computer Science student has participated in south zone Kabaddi at Mangalore University during 11-12-2019 to 14-12-2019.

M.Sc 1st year Computer Science Students (Sarah T R, Sreeshma K, Aswini P R, KavyaBalan, Thanusree V, Riya Shekhar, Greeshma G K, Anjali P G, Akshara Krishna P, Shivarama Krishna P K) have participated in the Inspire Internship Science Camp held at Central University of Kerala during 24th December 2019.

Arya Gangadharan got placed in Ceegees Software Solutions as a Quality Analyst

##### Ph.D. scholars:

Fasil O. K. served as resource person at Aspire, one day workshop on scientific paper writing hosted by the IEEE Malabar Subsection at the College of Engineering Vadakara on 6th of July 2019.

Fasil O. K acted as a resource person in a Workshop "Introduction to Machine Learning", organized by Department of Computer Science and Walk with a Scholar Programme (WWS), Sullumussalam Science College, Areacode, 26 October 2019.

Fasil O. K delivered an invited talk on "Automatic

Identification of Epilepsy from Brain Signals", organized by department of Computer Science, University of Kerala, Thiruvananthapuram, Kerala, 19th December, 2019.

Fasil O. K served as a session chair in Symposium on Signal Processing for Wireless and Multimedia Communications (SPWMC'19), Trivandrum, Kerala, India, December 18-21, 2019.

Fasil O. K served as a session chair in CoCoNet-S13: Poster Paper Session-B, Third International Conference on Computing and Network Communications (CoCoNet'19), Trivandrum, Kerala, India, December 18-21, 2019.

Fasil O. K received Outstanding Student Branch Chairperson AWARD - 2019, IEEE Malabar Subsection.

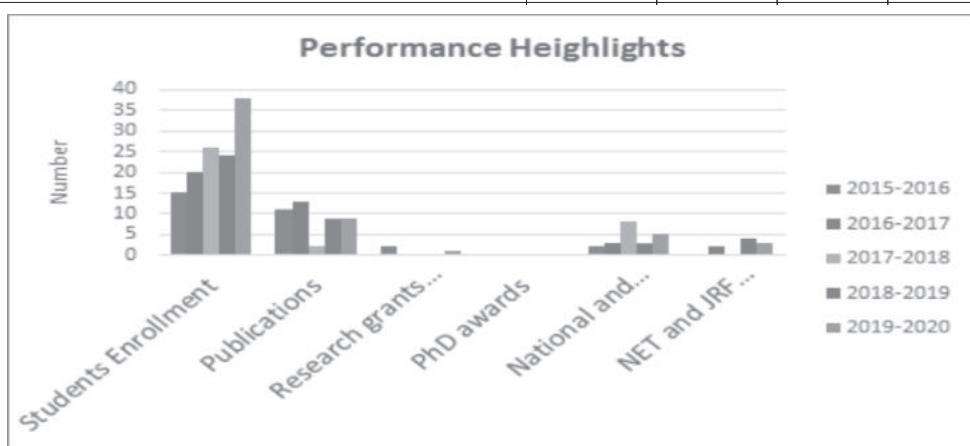
Fasil O.K. Received Certificate of Appreciation for showcasing excellent volunteering skills to initiate IEEE Student Branch at Central University of Kerala of IEEE Malabar Subsection in 2019.

Fasil O. K received 2019 Member-Get-a-Member (MGM) award from IEEE.

Fasil O. K received Travel Grant Award for attending IEEE Signal Processing Society Winter School on Biomedical Signal and Image Processing,

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	15	20	26	24	38
2	Publications	11	13	2	9	9
3	Research grants obtained by faculty members in the financial year	2	0	0	0	1
4	PhD awards	0	0	0	0	0
5	National and International events conducted	2	3	8	3	5
6	NET and JRF Qualified	0	2	0	4	3



# Department of Mathematics

Head of the Department: **Dr. K. A. Germina**

Programmes offered: **M.Sc. & Ph.D.**

The Department of Mathematics in Central University of Kerala was started on 08.08.2011 as one of the first six Departments of the University under the School of Mathematical and Physical Sciences (SMPS), which was established in 2011, and renamed as the School of Physical Sciences (SPS) in 2016. The Department offers Master of Science and Doctor of Philosophy programs in Mathematics with the major objective of developing a centre of excellence especially in Mathematical Sciences and its Applications.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total			
Posts								
Assistant Professor		4	4	0				
Associate Professor		2	2	0				
Professor		1	0	1				
<b>Students Enrolment</b>								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Sc. Mathematics (Ist Year)	26	4	3	14	-	47	20	27
M.Sc. Mathematics (IIInd Year)	20	3	1	10	1	34	13	21
Ph.D. (2019-20) (Direct)	5	-	-	7	-	12	3	9

### **Faculty Details**

Dr. V. Vilfred, Associate Prof. & HoD from 29.08.2016 onwards

Specialization : Discrete Mathematics - Graph Theory and Combination

Dr. K.A. Germina, Associate Professor

Specialization : Discrete Mathematics -Graph Theory, Algebra

Dr. Shaini P, Assistant Professor

Specialization : Fixed Point Theory

Dr. Ali Akbar K, Assistant Professor

Specialization : Topological Dynamics

Dr. S. Gnanavel, Assistant Professor

Specialization : Partial Differential Equations, Inverse Problem

Dr. Manikandan Rangaswamy, Assistant Professor

Specialization : Stochastic Modeling and Analysis

List of Member of Board of Studies:

Dr. V. Vilfred, ii) Dr. K.A. Germina, (HoD), iii) Dr. Ali Akbar K,

Mr. V. Kumar, Assistant Prof., Dept of Computer Science, CUK,

Prof. Gadadhar Misra, Dept of Mathematics, I.I.Sc., Bangalore,

Prof. S. Kumaresan, Dept of Mathematics, UoH, Hyderabad,

Prof. Nandha Kumaran, Dept of Mathematics, I.I.Sc., Bangalore,

Prof. Rajan (Rtd), Dept of Mathematics, University of Kerala, Kariyavattom Campus, Thiruvananthapuram, Kerala.

Activities undertaken by Centers:

(i) Mathematics Colloquium.

The Mathematics Colloquium-CUK (MCCUK) organising by the Department of Mathematics is an ongoing seminar series that features

speakers from other institutes/universities and from our department. The talks are intended for a general (math/stat) audience and will be accessible to students without particular expertise in the specific areas of the topics discussed. Also, there will be ample time for free interaction and discussion among the participants.

The goal of MCCUK is to fostering continued discussion and networking in the various areas of mathematics. Thus the topics will cover all areas of mathematics and an interesting mix of topics ranging from very applied to more abstract in nature.

The colloquium is normally held once in every two week, usually on Tuesday at 4:10 p.m. in room 21 of Teaching block I. 11 lectures were conducted by MCCUK during the academic year 2019-20

(ii) Mathematics Club.

Maths Club was formed under the leadership of Dr. Shaini P on 19th September, 2019. It was a major motive to help the school students to grow their mathematical thinking. Activities of the club include :Mathematical puzzle - 'Tower of Hanoi', A session on 'Cryptography', A stall with games in Mathematics was set up as a part of the 'Re-Cycling Project' conducted by the Fireflies for the whole university, A practical session of 'Platonic Solids', Tower of Hanoi ,Möbius strip, types of functions, Super hexagon, Konigsberg bridge, Geometrics shapes, modulo classes at INSPIRE camp held at CUK and A practical session on motivation for research opportunities in mathematics for higher secondary students.

Publications of the Faculty

V. Vilfred and P. Wilson, 2019, Families of Circulant Graphs without Cayley Isomorphism Property with  $m = 3$ , IOSR Journal of Mathematics, Vol. 15 (2), pp. 24- 31. DOI: 10.9790/5728-1502022431. ISSN: 2278-5728, 2319-765X

K.A. Germina, Gency Joseph (2020), L. Benedict Michael Raj, Characterization 1-uniform dcsl graphs and learning graphs, Italian Journal of Pure and Applied Mathematics, Volume 44 , 1-8.

P. Soorya, K. A. Germina (2020), On the Vertex Choice Number and Chromatic Number of Graphs, International Journal of Scientific & Technology Research Vol 9, issue 01

Soorya P, and K. A. Germina 2020), On the Vertex Choice Number and Chromatic Number of Graphs, Italian Journal of Pure and Applied Mathematics, N. 43(2020) (905{911)

Sudev N. K., Soorya P, and K. A. Germina (2020), On  $\alpha$ - Vertex Choosability of Graphs, National Academy Science Letters, To appear

Germina K. Augusthy, (2020), A Review on measures to structural balance in social network-an Algebraic approach, Springer Proceedings, to appear

Prajisha E. and Shaini P., 2019, FG-Coupled Fixed Point Theorems For Various Contractions in Partially Ordered Metric Spaces, Sarajevo Journal of Mathematics Doi:

10.5644/Sjm.15.02.12 Vol.15 (28), No.2, (2019), 291–307

K. Ali Akbar, V. Kannan and I.S. Pillai, Simple Dynamical Systems, Applied General Topology, 2, (2019) 307-324.

R. Manikandan and Sajeet S. Nair. "An M/M/1 queueing-inventory system with working vacations, vacation interruptions and lost sales". Automation and Remote Control 81, 746–759 (2020). <https://doi.org/10.1134/S0005117920040141>. [SCI & Scopus Journal, Impact factor: 0.537]

DhanyaShajin, A. Krishnamoorthy and R. Manikandan. "On a queueing-inventory system with common life time and Markovian lead time process", Operational Research, (2020). <https://doi.org/10.1007/s12351-020-00560-y> [Scopus Journal, Impact factor: 1.485]

R. Manikandan and Sajeet S. Nair . "Type M / M / 1 service-storage system with vacations, vacation interruptions and lost sales" (in Russian) Mathematical Game Theory and its Applications, vol. 11, v. 3. 2019. C. 53-72 .

Ongoing Projects:

Dr. K. A Germina is awarded with a project entitled " Social Network Analysis using Centrality Measures of Graphs and Sigraphs - A Spectral Approach " funded by Science & Engineering Research Board under the Scheme: MATRICS. Total amount sanctioned for the project is Rs.6,60,000/-

Dr. Ali Akbar K is awarded with a project entitled " A study on topological dynamical systems with emphasis on group dynamics" funded by Science & Engineering Research Board under the Scheme: MATRICS. Total amount sanctioned for the project is Rs.6,60,000/- and Number of Research Students Engaged is two.

Programmes Conducted by the Department  
(best 3 programmes with photo)

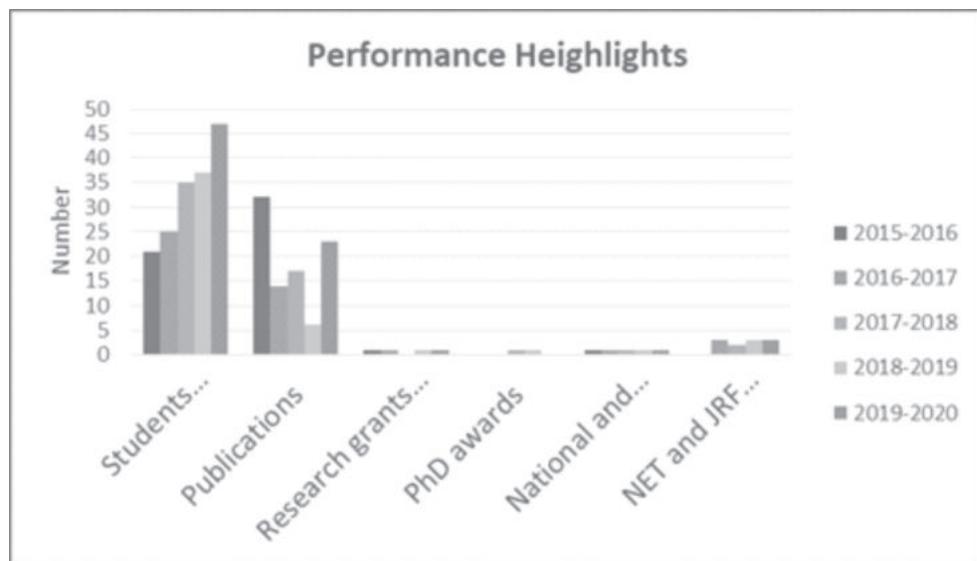
AWPDE 2019 is a National level "Advance Workshop on Partial Differential Equations and Applications" organized by Department of Mathematics in premises of Central University of Kerala during December 16-30,

2019. The aim of the workshop to bring the eminent experts in the field of partial differential equations to discuss advanced level topic with the young faculty and researches. This workshop was financially (Rs.5,00,000.00) supported by the National Board for Higher Mathematics (NBHM), Department of Atomic Energy, Mumbai and organized by Central University of Kerala, Kasaragod.

This is the first external funded programme of two week long in the Central University of Kerala organized by the Department of Mathematics. This workshop consists of 50 Plenary lectures in the Advanced level PDE and 3 Special lectures on applications of PDE.

#### **Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	21	25	35	37	47
2	Publications	32	14	17	6	23
3	Research grants obtained by faculty members in the financial year	1	1	0	1	1
4	PhD awards	0	0	1	1	0
5	National and International events conducted	1	1	1	1	1
6	NET and JRF Qualified	0	3	2	3	3



# Department of Chemistry

Head of the Department: **Dr. M.R. Prathapachandra Kurup**

Programmes Offered: M.Sc., Ph.D. & PDF

The Department of Chemistry (DC) currently functioning at Sabarmati building, Tejaswini Hills, Periyar having six faculty members and about 70 M.Sc. and 20 Ph.D. scholars. The DC started functioning at Riverside Transit Campus, Padnekkad with the admission of first batch of M.Sc. Chemistry students in 2013. DC offers excellent opportunities for pursuing the Master's programme and doctoral research programme (Ph.D.). A team of dedicated faculty of the Department provides the students with rigorous instruction and training to equip them specialized in theoretical principles, experimental and analytical skills. Chemistry Programme aims to provide the students with a firm grounding in the theoretical principles besides facilitating the development of analytical dexterity through rigorous hands-on-training on sophisticated analytical instruments. It is rendered unique through application-oriented laboratory exercises designed to enable students acquire the skills essential to pursue successful professional careers in teaching, research or industry, in fields as diverse as medicine to materials, agriculture, environmental management, biotechnology, nanoscience, renewable energy etc. DC also offers various



specialized elective courses like Catalysis by molecular sieve materials, Nanomaterials, Renewable Energy, Materials Chemistry, Polymer Chemistry, Green Chemistry, Crystallography, Pharmaceutical chemistry etc. Besides, M.Sc. in Chemistry programme, the DC also offers Ph.D. programme in the thrust research areas, such as coordination chemistry, supramolecular chemistry, heterogenous catalysts, organic chemistry, surface chemistry, polymer chemistry,

nanoscience, computational chemistry, dye sensitized solar cells, ultra-fast electron and energy transfer reactions, and CO<sub>2</sub> capturing etc. All together the faculties have published about 250 publications / books / patents in a highly reputed peer-reviewed international/national Journals. At present the Department is running 4 major research projects supported by DST-SERB, CSIR-EMR, Government of India.

<b>Present Faculty Position</b>		Sanctioned		Filled	Vacant	Total			
Designation		Assistant Professor	4	4	0	4			
		Associate Professor	2	0	1	2			
		Professor	1	1	0	1			
<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	EWS	Total	Male	Female
Ph.D.	06	02	01	10	01		20	05	15
M.Sc	18	10	04	32	03	03	67	19	48

#### **Faculty Details**

Prof. M. R. Prathapachandra Kurup, Professor  
Specialisation: Inorganic Chemistry  
Dr. A. Sakthivel, Associate Professor  
Specialisation: Inorganic Chemistry  
Dr. Bini George, Assistant Professor  
Specialisation: Organic Chemistry  
Dr. Deepa Janardanan, Assistant Professor  
Specialisation: Organic Chemistry  
Dr. M. Bhagiyalakshmi, Assistant Professor  
Specialisation: Physical Chemistry  
Dr. Ravi Kumar Kanaparthi, Assistant Professor  
Specialisation: Physical Chemistry

#### List of Member of Board of Studies:

Prof. (Dr.). Prathapachandra Kurup, CUK (Chairperson)  
Prof. (Dr.) A. Sakthivel, Department of Chemistry,  
Dr. Deepa Janardanan, CUK  
Dr. Swapna S Nair, CUK  
Dr. Gouri. C, VSSC, Thiruvananthapuram  
Prof. Dr. Balakrishna Kalluraya, Mangalore University.  
Dr. T. P. Radhakrishnan, University of Hyderabad.  
Prof. Dr. T. Mohan Das, Central University of Tamil Nadu

#### Publications of the Faculty

L Tom, CR Nirmal, A Dushackeer, B Magizhavani, MRP Kurup 2020 Formulation and evaluation of  $\alpha$ -cyclodextrin-mediated inclusion complexes of isoniazid scaffolds: molecular docking and in vitro assessment of antitubercular properties, New Journal of Chemistry 44 (11), 4467-4477 ISSN:1144-0546.  
L Tom, MRP Kurup 2020 A Reversible Thermo-Responsive 2D Zn(II) coordination Polymer as a Potential Self-reference Luminescent Thermometer, Journal of Materials Chemistry

C 8(7) 2525-2532; ISSN: 2050-7534.

T. M. Asha, E Shiju, Chandrasekharan Keloth, M.R.P. Kurup 2020 A Schiff base colorimetric chemosensor for CN<sup>-</sup> ion and its dioxidomolybdenum(VI) complexes: Evaluation of structural aspects and optoelectronic properties, *Applied Organometallic Chemistry*, 34; ISSN:1099-0739.

M. Jayendran P.M. Sabura Begum, M.R.P. Kurup 2020 Structural, spectral and biological investigations on Cu(II) and Zn(II) complexes derived from NNO donor tridentate Schiff base: Crystal structure of a 1D Cu(II) coordination polymer, *Journal of Molecular Structure*, 495, 127682, ISSN: 0020-2860

MM Fousiamol, M Sithambaresan, Krishna K Damodaran, MRP. Kurup, 2020, Syntheses, spectral aspects and biological studies of bromide and azide bridged box dimer copper(II) complexes of an NNO donor aroylhydrazone, *Inorganica Chimica Acta*, 501, 119301, ISSN: 0020-1693

K Anjali, MS Aswini, P Aswin, V Ganesh, A Sakthivel, Iridium Tetra (4 carboxyphenyl) Porphyrin, Calix [4] pyrrole and Tetraphenyl Porphyrin Complexes as Potential Hydrogenation Catalysts; *European Journal of Inorganic Chemistry* 2019 (38), 4087-4094; ISSN: 1434-1948

K Anjali, J Christopher, A Sakthivel, Ruthenium-Based Macromolecules as Potential Catalysts in Homogeneous and Heterogeneous Phases for the Utilization of Carbon Dioxide; *ACS omega* 2019, 4 (8), 13454-13464; ISSN: 2470-1343.

A Sahu, D Das, P Sahu, S Mishra, A Sakthivel, A Gajbhiye, R Agrawal, Bioisosteric Replacement of Amide Group with 1, 2, 3-Triazoles in Acetaminophen Addresses Reactive Oxygen Species-Mediated Hepatotoxic Insult in Wistar Albino Rats; *Chemical Research in Toxicology* 2020, 33 (2), 522-535; ISSN 0893-228X.

M Ahmed, A Sakthivel, Amine functionalized AFI type microporous SAPO-5 materials: preparation, unique method on template extraction, characterization and its catalytic application on epoxide ring; *Journal of Porous Materials* 2019; 26 (2), 319-326; ISSN 1380-2224.

P Sahu, S Eniyarppu, M Ahmed, D Sharma, A. Sakthivel; Cerium ion-exchanged layered MCM-22: preparation, characterization and its application for esterification of fatty acids *Journal of Porous Materials* 25 (4), 999-1005; ISSN 1380-2224.

K Sivan Saranya, V Vellora Thekkae Padil, C Senan, R Pilankatta, B. George; Green Synthesis of High Temperature Stable Anatase Titanium Dioxide Nanoparticles Using Gum Kondagogu: Characterization and Solar Driven Photocatalytic Degradation of Organic Dye; *Nanomaterials*; 2019; 8 (12), 1002; ISSN 2079-4991.

SK Sivan, AKK Padinjareveetil, VVT Padil, R Pilankatta, B George; Greener assembling of MoO<sub>3</sub> nanoparticles supported on gum arabic: cytotoxic effects and catalytic efficacy towards reduction of p-nitrophenol; *Clean Technologies and Environmental Policy*, 2019; 21 (8), 1549-1561; ISSN 1618-954X.

Aiswarya Purushpthaman, Achutha A S, Deepa Janardanan Hydroxyl radical scavenging activity of melatonin and its related indolamines; *Free Radical Research*, 2020; ISSN 1071-5762

Mijun Chandran, Anitta Thomas, Asha Raveendran, Mari Vinoba, Margandan Bhagiyalakshmi ; MoS<sub>2</sub> Conûned MXene Heterostructures as Electrode Material for Energy Storage; *Application Journal of Energy Storage*, *Journal of Energy Storage* 30 (2020) 101446; ISSN: 2352-152X

M Chandran, I Shamna, A Anusha, M Bhagiyalakshmi Synthesis of mesoporous carbon-polymeric hybrid material for energy storage application; *SN Applied Sciences*, 2020 1 (6), 509; ISSN 2523-3971.

I Shamna, M Chandran, A Anusha, SK Jeong, M Bhagiyalakshmi; Fabrication of Nano biocatalyst for Biomimetic CO<sub>2</sub> Sequestration *Advanced Porous Materials* 6 (1), 49-55; ISSN 2327-3941.

N Anand, P Nag, RK Kanaparthi, SR Vennapusa; O-H vibrational motions promote sub-50 fs nonadiabatic dynamics in 3-hydroxypyran-4-one: interplay between internal conversion and ESIPT; *Physical Chemistry Chemical Physics* 2020; 22 (16), 8745-8756; ISSN 1463-

9076.

**Books:**

Yadav R., Sakthivel A. (2020) Selective Catalytic Applications Over Functionalized Nanoporous Materials Assembled Using Block Copolymer. In: Hussain C., Thomas S. (eds) Handbook of Polymer and Ceramic Nanotechnology. Springer, Cham

**Ongoing Projects:**

Prof. (Dr.) A. Sakthivel, Grafting of organo functional ...catalyst for Organic Transformations., CSIR, 13,91,667.00

Prof. (Dr.) A. Sakthivel, "Nano layered Transition metal .... Biomass ..compounds & CO<sub>2</sub> utilization" , SERB, 3500000.00

Dr. Ravikumar Kanaparthi, "Synthesis and Photophysical Studies of New Electron Donor-Acceptor Molecules and their Application in Dye Sensitized Solar Cells", SERB, 54,52,000/-  
Projects completed in 2019-20

Prof. A. Sakthivel, Functionalized Nano-structured. Applications, DST-SERB, 35,06,800/-

Prof. A. Sakthivel, "Prerequisites to Recent Advances in Catalysis", SERB, 100000/-

Dr. Ravikumar Kanaparthi, Molecular Engineering applications, DST-SERB, 20,50,000/-

Dr. M. Bhagiyalakshmi, Exploration on bio-electro catalytic.processes, DST-SERB, 24,36,000/-

**Programme Conducted by the Department**

**Title of the Programme, Convener/Coordinator, Date**

Salter's Chemistry Camp 2019, A joint venture of Salter's Institute in association with Royal Society of Chemistry (RSC), held at the Dept. of Chemistry CUK , Prof. (Dr.) A. Sakthivel, 7<sup>th</sup> to 9<sup>th</sup> Sep. 2019

National Training course on "Prerequisites to Recent Advances in Catalysis. , Prof. (Dr.) A. Sakthivel / Dr. M. Bhagiyalakshmi, 16<sup>th</sup> to 20<sup>th</sup> Dec. 2019.

**Industrial Visit**

Dr. Ravikumar Kanaparthi / Dr. M. Bhagiyalakshmi

, Nov. 2019 Science Day Celebration 2020 Conducted Science quiz competition & Essay writing Competition on the occasion , Prof. (Dr.) A. Sakthivel / Dr. M. Bhagiyalakshmi, 28<sup>th</sup> Feb. 2020

**Other Achievement by the Faculty (Major Awards and Academic/scientific recognitions)**

Prof. (Dr.) A. Sakthivel, HOD, Department of Chemistry has been selected as "executive council member" of Association of Chemistry Teachers (ACT)- south zone. ACT is a national body of chemistry educators to promote excellence in chemistry education.

Prof. A. Sakthivel received research grant from DST-SERB core research grant (CRG 004624) & and also received research grant for the conducting training course on catalysis (DST-SERB/SSY/2019/000705).

Professor A. Sakthivel delivered few invited talk in "A National Conference on Frontiers of Catalysis Science& Technology and its Applications' which was held at St. Joseph's College-Bengaluru & National Seminar on "Current Trends in Chemistry"

CTriC 2020-CUSAT-Cochi The practical session during DST- INSPIRE Science Camp 2019 held on 24 December 2019 for plus one students was coordinated by Dr. M. Bhagiyalakshmi in Department of Chemistry

Department of chemistry organized quiz competition on 28<sup>th</sup> February 2020, within the research scholars and M.Sc. students on the occasion of National Science Day

**Students Achievements**

Two M.Sc. students namely Ms. Dhanusree & Ms. Aswathi have qualified CSIR-JRF)

Two students namely Ms. Asha & Ms. Shabas of M.Sc qualified NET-LS.

**Post doctoral fellows:**

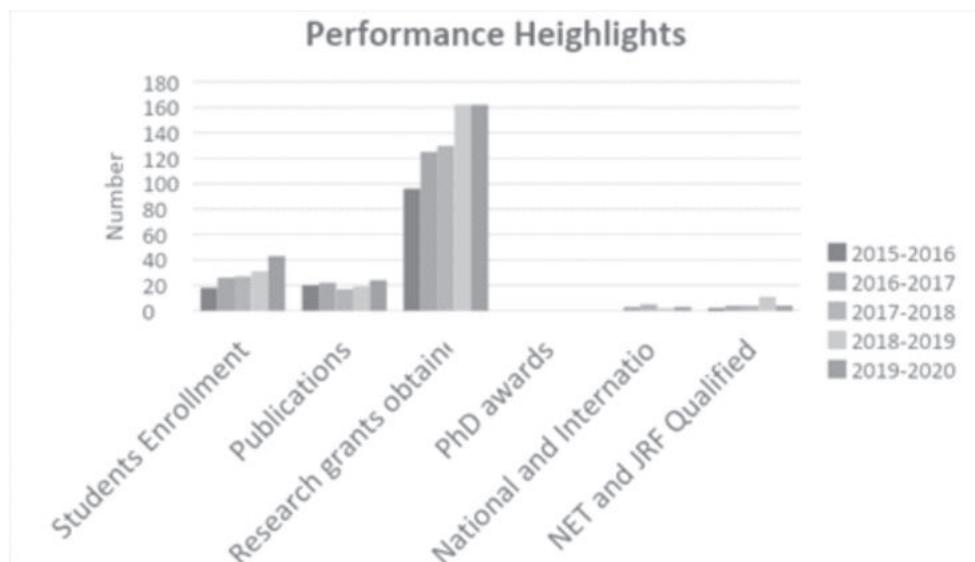
"Recent advances in infrared reflective inorganic pigments."

Seethu jose, Deepak Joshy, Soumya B Narendranath, Pradeepan periyat.

Solar Energy materials and solar cells, 194(2019)7-27 Elsevier

### Analytical data of the Department

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Students Enrollment	16	15	27	29	38
2	Publications	3	12	10	25	30
3	Research grants obtained by faculty members in the financial year	2	1	0	2	1
4	PhD awards	0	0	0	0	0
5	National and International events conducted	2	1	1	2	3
6	NET and JRF Qualified	2	4	4	11	4



## School of Social Science

Dean of the School: **Dr. Mohan A.K**

# Department of Social Work

Head of the Department: **Dr. Mohan A. K.**

Programme Offered: **Master of Social Work & Ph.D**

#### Vision

To become a center of excellence of learning, experience, research, training and services

#### Mission

To provide a conducive environment for participatory learning

To promote a just and equitable society through research and provisioning of professional services

#### Objectives

To offer innovative teaching and learning in social work

To impart evidence based intervention at individual, groups and community level.

Inculcate skills to conceptualize research with policy implication \

Collaboration and co-operation with public, voluntary agencies, para-professionals for their capacity building



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total		
Posts							
Professor	01		0	01	01		
Associate Professor	02		01	01	02		
Asst. professor	04	04 (Dr.Renjith R Pillai-Under lien)		0	04		
<b>Students Enrolment</b>							
Programme	General	SC	ST	OBC PWD (OBC)	Total	Male	Female
MSW	20	06	03	10 01	40	12	28

#### **Faculty Details:**

Dr Mohan A K, Associate Professor & Head of the Department

Specialization : Community Development, Panchayath Raj

Dr Laxmi, Assistant Professor

Specialization : Community development, Counselling, Self Help Groups

Dr Jilly John, Assistant Professor

Specialization : Medical And psychiatric social work

Dr Dilip Diwakar G, Assistant Professor

Specialization : Community develioment and public health

#### List of Member of Board of Studies:

Dr. Mohan A K, Associate Professor and Head Dept. of Social Work, CUK, Chairman

Prof. Sekar K R e g i s t r a r , N I M H A N S Bangalore External Subject expert-member

Dr. RameelaShekar, Dean and Professor, School of social work, Roshni Nilaya, Mangalore External Subject expert-member

Dr. B T Lawani, Director, Bharathiyavidyapeeth. Pune, External Subject expert-member

Prof. L Tarabai, Rtd. Professor of sociology, Madurai Kama raj University, Madurai, External member

Dr. Ashalekshmi B S, Dept of public administration and policy studies, Internal member from school

Dr. Jilly John, Asst. professor, Department of social work, CUK, Internal member, department

#### Details of Centers and their Academic Programme if any:

Center for Gerontology

#### 9.(a) Activities undertaken by Centres:

National conference on "Active Aging: Paradigms for Postmodern Era", Dr. Laxmi, 6th and 7th December 2018, funded by National Institute of Social Defence (NISD), New Delhi

#### Publications of the Faculty:

Mohan, A.K&Prasieja, J.K (2018).Teachers' and

School Counsellors' Awareness on POCSO Act.Deeksha – BI- Annual Journal of Social Work,16(1),19-24.

Jilly John,&Aneesh M S, (2018). Problems and Prejudice of Men Who Have Sex with Men (MSM) In India. International Journal of Creative Research Thoughts (IJCRT) Vol (6)1.

. Jilly John&Aneesh M S, (2019). The Challenges Due to Social Exclusion of Homosexual Men in Kerala. Shodhaytan[AUJ-STN], Vol (5)10 p 1 - 10.DOI: 10.29070/AUJ-STN. (2019).

Jilly John &Akhila K P. (2019).Care and Protection of Sexually Abused Girls: A social concern towards Integrated Child Protection Scheme . International Journal of Advance & Innovative Research. 6(13),87-92.

DilipDiwakar G. & Austin S. Das. (2019). Solid Waste Management for Sustainable Tourism, International Journal of Applied Social Science, Vol 6 (2),: 399-406, ISSN:2394-1405

DilipDiwakar G. (2019). Framework to Study Exclusion in ICDS Centre: A Case of Kancheepuram District, Tamil Nadu, International Journal of Research in Social Sciences Vol 9 (2) 366-382,ISSN: 2249-2496.

Laxmi &Choolayil, C. A. (2018). Integrating Elderly into Community: A Socio-Economic Model. Indian Journal of Gerontology 32(4). 412-426.

### Ongoing Projects

Dr Jilly John: As Principal Investigator of Major Research Project on "Development and Assessment of an Intervention Programme for Training of Counsellor Volunteers from Tribal Community for Handling the Psychosocial Problems among Tribals in Kerala" sponsored by Indian Council of Social Science Research, New Delhi for a period of 2018-2020 for an amount of. Rs.6,45,000/-.

### Programmes Conducted by the Department

Capacity Building Programme on Drug abuse prevention for school counsellors, Dr. Laxmi, 17th to 19th September 2018, funded by National Institute of Social Defence, New Delhi

Capacity Building Programme on Drug abuse prevention for MSW students, Dr. Laxmi, 24th to 26th September 2018, funded by National Institute of Social Defence, New Delhi.

"Waste management awareness programme" in Tsunami colony, Dr. Laxmi, 23rd March 2019, The purpose of the programme was to educate the people about proper waste management and suggest alternatives for the waste management.

"Waste management awareness programme" in ICDS Centre, Kushal Nagar, Dr. Laxmi, 20th of March 2019.

National conference on "Public Private Community Partnership in Prevention and Management of Drug Abuse", Dr. Jilly John, 7th and 8th January 2019 in association with National Institute of Social Defence, New Delhi.

### Other Achievement by the Faculty

Under the guidance and leadership of Dr. Laxmi, Mr. Jesil and Ms. Manasavenu, students of Department of Social Work with support of UNNAT BharathAbhiyan, we re-electrified Koraga School of Perdala colony of BadiyadkaPanchayat. The programme was inaugurated by Dr. Radhakrishnan Nair, Registrar, Central University of Kerala on 27th March 2019 at Koraga School, Badiyadka

"Feed water for birds", Dr. Laxmi, 20th March 2019, a program in Government old age home paravanadukkam in the name "koodoorukamkuttirikamkoottayirikam" handed over the pots to inmates of old age home and inaugurated the program. The inmates of the old age home placed the pots to different tress in the old age home and put water to all the pots and determined to put water every day

### Students Achievements

Total 12 students cleared UGC NET in 2018-19.

## Centre for Gerontology

Centre for Gerontology was established to carry out activities related to elderly empowerment. The problems of elderly are increasing day by day due to various circumstances. Hence there is a vital need to establish such centres to carry out research and extension activities. The centre has carried out elderly friendly activities in the Government Old Age Home and organized conference and involved in research activities.

Name of the Head of the Centre / Cell / Section: Dr. Laxmi

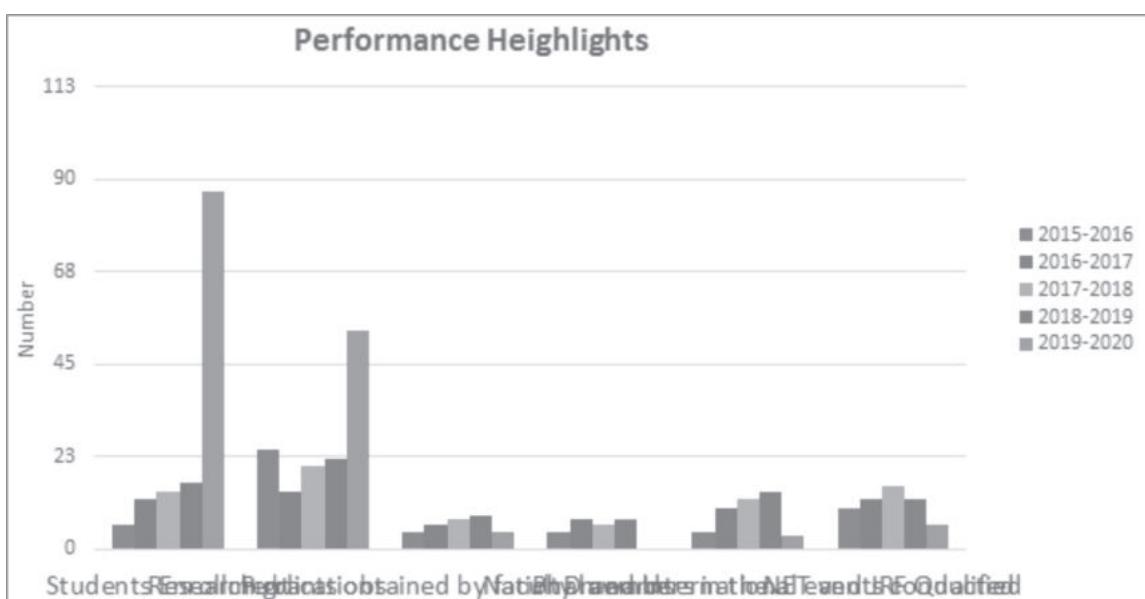
The Centre for Gerontology has organized a

National conference titled "Active Ageing: Paradigms for Post Modern Era on December 6th and 7th 2018 and the papers presented in the same are published as ISBN Book and released on 30th December 2019. World Alzheimer Day is organized on 30th December 2019 and a session on Aging, Memory Loss & Alzheimer's Disease was conducted. Students across the department have participated in the meeting. A major research Project titled "Psycho Social Care for Ageing Actively" is sanctioned by ICSSR, New Delhi.

## Analytical data of the Department

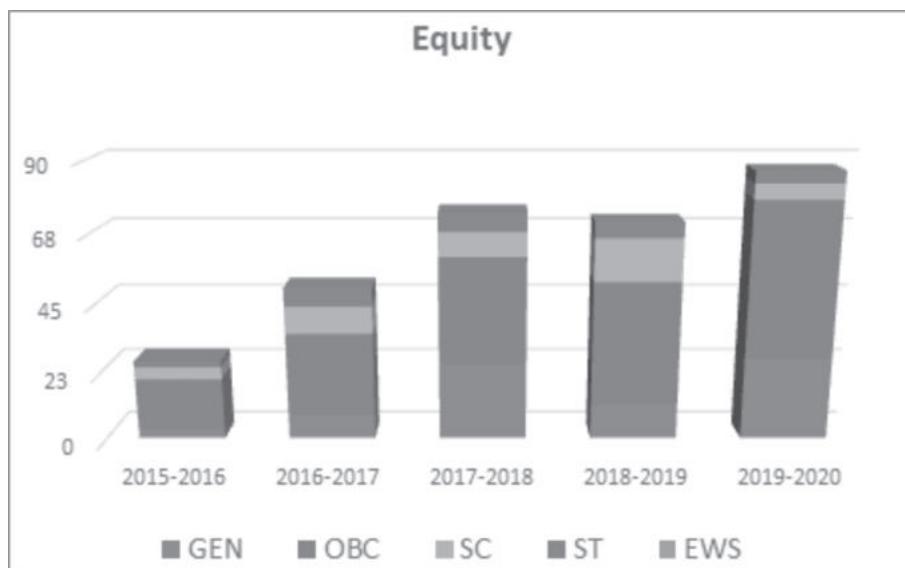
### School of Social Science Performance Highlights 2019-2020

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1.	Students Enrollment (including PhD Students)	40	47	87		
2.	Publications	15	38	53		
3.	Research grants obtained by faculty members in the financial year	01	03	04		
4.	PhD awards	0	0	00		
5.	National and International events conducted	03	00	03		
6.	NET and JRF Qualified	02	04	06		

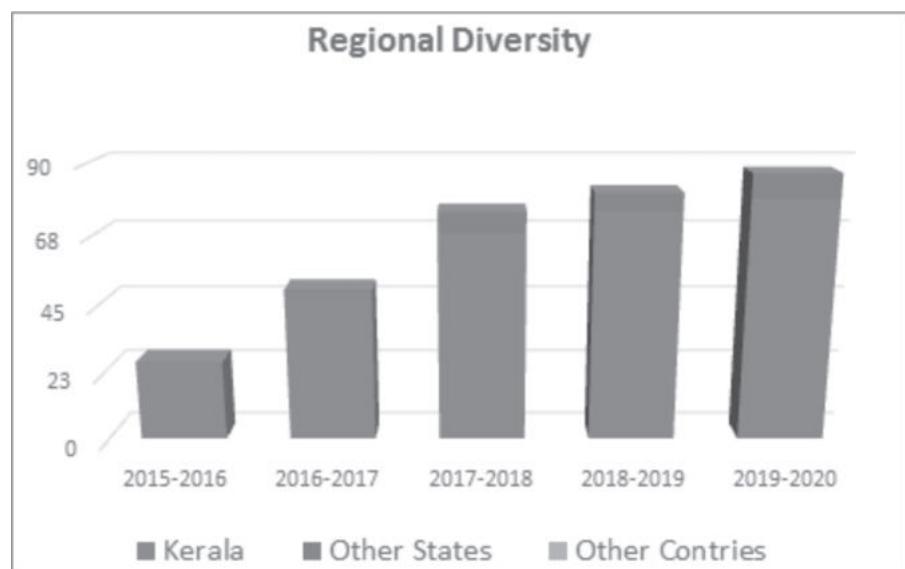


## Equity

	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	GEN	3	8	25	11	27
2	OBC	17	27	35	41	51
3	SC	4	9	8	14	5
4	ST	2	6	6	5	4
5	EWS	0	0	0	0	0



	Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Kerala	26	49	68	75	79
2	Other States	0	1	7	6	8
3	Other Countries	0	0	0	0	0



# Department of Public Administration & Policy Studies

Head of the Department: **Dr. M. R. Biju**  
Programmes Offered: **M.A., Ph.D.**

The Department of PA& PS was started functioning in the year 2016. The Department is a part of the School of Social Sciences. The Dept. offers P.G. & Ph.D. Programmes. The Department started M.A. in Public Administration and Policy Studies in 2016 and Ph.D. in 2017. At present the Dept. is having 64 students pursuing M.A. course. Five students were admitted for the Ph.D. Programme in the year 2017. It was followed by Four more Students for Doctoral Programme in the year 2017 (December) & 2018.

The Dept. is having faculty strength of Five - One Associate Professor and Four Assistant Professors.



<b>Present Faculty Position</b>		Sanctioned	Filled up	Vacant	Total
Posts					
Assistant Professor	4	4	--	--	4
Associate Professor	2	1	1	1	2
Professor	1	--	1	1	1

<b>Students Enrolment</b>									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
MA	21	8	3	32	1	64	28	36	
PhD	4	1	NIL	4	NIL	9	7	2	

### **Faculty Details**

Dr. M. R. Biju, Associate Professor & HoD

Dr. Ashalekshmi B.S, Assistant Professor

Specialization : E-governance and Gender studies

Dr. Devi Parvathy, Assistant Professor

Dr. Gugulothu Srinu, Assistant Professor

Specialization : Theories of Public Administration, Organisational Behaviour, Development Administration, Sustainable development

Dr. RamaRao Bonagani, Assistant Professor

Specialization : State and Political Theory, Policy Studies, Human Rights

List of Member of Board of Studies:

Prof. (Dr.) M.R. Biju (Chairperson) Head, Department of Public Administration & Policy Studies, Central University of Kerala

Prof. (Dr.) Y. Pardhasarathy (Member), Department of Public Administration, Osmania University, Hyderabad

Prof. (Dr.) I. Rama Brahmam (Member), University of Hyderabad, Hyderabad

Prof. (Dr.) B.S. Ghuman (Member), Vice-Chancellor, Punjabi University, Patiala

Prof. (Dr.) D. Jeevan Kumar (Member), Karnataka State Institute of Rural Development & Panchayati Raj, Bengaluru

Dr. Ashalekshmi B.S (Member), Assistant Professor, Department of Public Administration & Policy Studies, Central University of Kerala

Dr. Jilly John (Member), Assistant Professor, Department of Social Work, Central University of Kerala

Publications of the Faculty (in the latest APA referencing style)

Prof. (Dr.) M. R. Biju

M R Biju. (2019). "Politics of Grassroots Democracy in India". New Delhi. Concept

Publishing Company. ISBN: 978-93-86682-76-6

M R Biju. (2019). "Indian Tourism: Policy Issues and Alternatives". New Delhi. Concept Publishing Company. ISBN: 978-93-8682-543

M R Biju. (2019). "The 17<sup>th</sup> Lok Sabha Polls 2019 in Kerala; A Decisive Political Vote". Mainstream, Vol. LVII, No.39, Sept.14, 2019, pp.11-24, ISSN 0542-1462

M R Biju. (2019). "Performance of Non-BJP Parties in India's 17<sup>th</sup> General Elections, 2019". Mainstream, Vol. LVII, No.47, Nov.9, 2019, pp.24-32, ISSN 0542-1462.

M R Biju. (2019). "Delivering Justices at the Grassroots: The case of Gram Nyayalayas in India". South Asian Journal of Socio-Political Studies, Vol. XIX, No.2, January-June, 2019, pp.42-48, ISSN 0038-4046.

Dr. Ashalekshmi B. S.

Ashalekshmi B. S. (2020). "Women Empowerment and Akshaya in Kerala" in the edited book Public Policy for the Empowerment of Women in India Chennai. Grabs Educational Charitable Trust. ISBN: 978-81-945756-1-0

Ashalekshmi B. S. (2019). "Towards a Paperless Governance". Kerala Calling by Public Relations

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Prof. (Dr.) I. Rama Brahmam (Member), University of Hyderabad, Hyderabad  
Prof. (Dr.) B.S. Ghuman (Member), Vice-Chancellor, Punjabi University, Patiala  
Prof. (Dr.) D. Jeevan Kumar (Member), Karnataka State Institute of Rural Development & Panchayati Raj, Bengaluru  
Dr. Ashalekshmi B.S (Member), Assistant Professor, Department of Public Administration & Policy Studies, Central University of Kerala  
Dr. Jilly John (Member), Assistant Professor, Department of Social Work, Central University of Kerala

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Public Policy for the Empowerment of Women in India Chennai. Grabs Educational Charitable Trust. ISBN: 978-81-945756-1-0

Ashalekshmi B. S. (2019). "Towards a Paperless Governance". Kerala Calling by Public Relations Department, Government of Kerala Thiruvananthapuram. December.

Ashalekshmi B. S. (2020). "We Deserve: A Different Approach to the Differently Abled" Kerala Calling by Public Relations Department, Government of Kerala Thiruvananthapuram. February.

Dr. Gugulothu Srinu

Gugulothu Srinu. (2019). "Administrative Thought". New Delhi. Readsworthy Publication. ISBN: 93-81512-30-2

Gugulothu Srinu. (2019). "Environment Governance and Sustainability Problems and Perspectives". Universal Review Journal, ISSN: 2277-2723.

Gugulothu Srinu. (2019). "Impact of Globalisation and Structural Adjustment of Tribal Society – An Enquiry into the Selected Tribal Communities in Mahabubabad District of Telangana State". Think India Journal, ISSN: 0971-1260

Gugulothu Srinu. (2019). "Socio-Cultural Transformation of Banjara Community in Post Globalised Era and Administrative Response". Studies in Indian Place Names. ISSN: 2394-3114

Dr. RamaRao Bonagani

RamaRao Bonagani. (2019). "People's Participation in Rural Development: Policy Shift under Janmabhoomi Programme in Andhra Pradesh". Research Journal of Humanities and Social Sciences (RJHSS), Volume 10, Issue 4, October - December.

RamaRao Bonagani. (2019). "Propositions for a Humanistic Displacement of People for the Development of the States in the World". Research Journal of Humanities and Social Sciences (RJHSS). Volume 10 Issue 4. October – December.

RamaRao Bonagani. (2020). "Social Sciences Higher Education Pedagogy Issues in India" in Dr. Kandi Kamala (Ed.), Teaching Learning Strategies in Higher Education. New Delhi. Gen Next Publication.

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University of Kerala

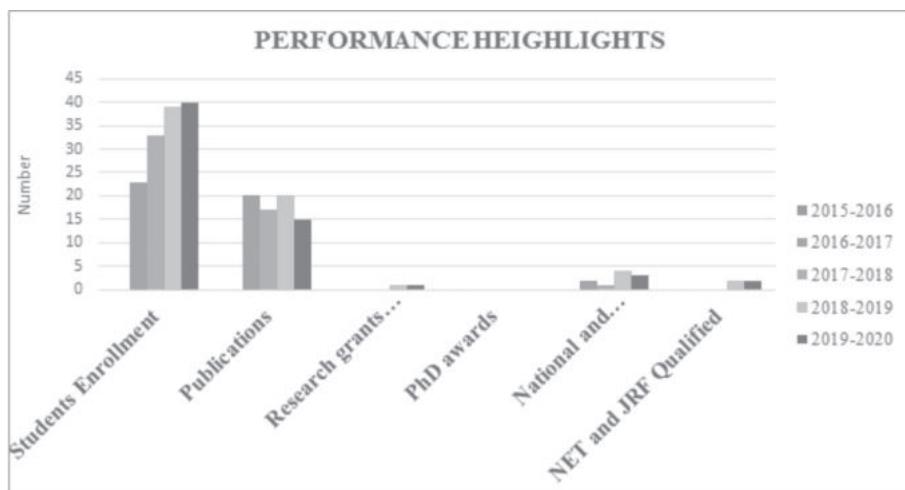
Dr. Jilly John (Member), Assistant Professor, Department of Social Work, Central University of Kerala

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 M R Biju. (2019). "Politics of Grassroots Democracy in India". New Delhi. Concept Publishing Company. ISSN: 978-93-86682-76-6  
 M R Biju. (2019). "Indian Tourism: Policy Issues and Alternatives". New Delhi. Concept Publishing Company. ISSN: 978-93-8682-543  
 M R Biju. (2019). "The 17<sup>th</sup> Lok Sabha Polls 2019 in Kerala; A Decisive Political Vote". Mainstream,

**Analytical data of the Department**

Sl. No.	Parameter	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1.	Students Enrollment (including PhD Students)	0	23	33	39	40
2.	Publications	0	20	17	20	15
3.	Research grants obtained by faculty members in the financial year	0	0	0	1	1
4.	PhD awards	0	0	0	0	0
.	National and International events conducted	0	2	1	4	3
6.	NET and JRF Qualified	0	0	0	2	2



# University Library

Deputy Librarian : **Dr. P. Senthil Kumaran**

University Library of Central University of Kerala is a home for the largest collection of learning resources on Arts, Humanities, Science and Social Sciences. The Library supports research and educational endeavors of Students, Research Scholars, and the Faculties of the university by collecting, organizing, preserving and disseminating information and provide instructional programs in all formats through need-based services and enables access to online information resources using modern Information & Communication Technologies.

The Library is started to functioning in October 2009 at Vidyanagar Campus, as a centre of information for the academic community of the university within a short period of time attained a considerable level of development. The very ambience of the Library is appealing and user-friendly access. The library is automated with KOHA Open Source Integrated Library System. Library is using Dewey Decimal Classification (DDC) system to organize the knowledge collection.



Dr. P. Senthilkumaran, Deputy Librarian  
Dr. Shivarama Rao K, Assistant Librarian  
Dr. T. K. Gireesh Kumar, Assistant Librarian  
Mr. Ashok Thomas, Professional Assistant  
Dr. M. A. Shabu, Semi Professional Assistant  
Ms. K. Priya, Semi Professional Assistant  
Mr. Abdul Jaseem C., Library Assistant  
Ms. K. P. Sreeja, Library Assistant  
Mr. Ambu TS, Library Attendant  
Ms. Namitha S Sekhar, Library Attendant  
Ms. Archana R P, Library Attendant  
Mr. Sony S R, Library Attendant

### **FACILITIES AND SERVICES**

University Library is fully Automated, OPAC & WebOPAC, Wi-Fi Network, Reference facility, Book Lending Service, Free Internet Access, Reprographic Facility, Inter Library Loan Facility, Article Alert, URKUND Plagiarism checking software for checking the Ph.D thesis, Research papers and PG dissertation work and Locker facility to keep the personal belonging of the users while in the library and Drinking water facility.

### **WORKING HOURS**

Monday-Saturday	8.00 am to 8.00 pm
Sunday	9.00 am to 5.00 pm
Vacation Period	9.00 am to 5.30 pm

### **BOOK LENDING**

Books are issued for the home reading to the all the members of the library. This privilege to borrow books have been given to the following categories of users:

Faculties	: 10 books at a time for 06 Months
Research Scholars	: 8 books at a time for 30 Days
Students	: 5 books at a time for 15 Days (PG students)
Non- Teaching Staff	: 2 books at a time for 01 Month
UG Students	: 2 books at a time for 10 Days
Law Students	: 2 books at a time for 15 Days
Out sourced staff	: 2 books at a time for 15 Days

### **ELECTRONIC RESOURCES**

The University Library is individually subscribing to both the Indian and foreign journals. In addition to that library also get access to qualitative electronic resources including full-text, bibliographic and factual databases through e-ShodhSindu: Consortia for Higher Education E-Resources, An Initiative by MHRD, Government of India executed by UGC INFLIBNET Centre. The following are the online resources currently accessible to Central University of Kerala under different access categories.

### **MEMBERSHIP STRENGTH**

Libraries at various campuses	Membership strength
University Library	2123
Thiruvalla Campus Library	31
Library at Capital Centre, Thiruvananthapuram	98
Total	2252

## COLLECTION DEVELOPMENT

A large number of books under different disciplines are added to the collections to support the teaching and learning community of the university. Books are purchased for the libraries through both centralized and decentralized ways. During the 2019-20 financial year 8589 books have been added to the

University Library. 21 book vendors are being identified for the supply of books to the library. Library committee meets every quarter to discuss the activities and developments of the library. Department wise statistics of books added to library collection and the amount spent for the purchase of books during the year 2019-2020 is depicted here.



## EVENTS ORGANIZED BY THE UNIVERSITY LIBRARY

Orientation Programme to the Fresher's /Representatives of other Institutions  
University Library conducted Orientation programme to all the students of 2019 batch from 09<sup>th</sup> to 16<sup>th</sup> August 2019. University Library has given one month internship library training to 20 CLIS (Certificate Course in Library and Information Science) students

without any financial commitments. The students are from Kerala State Library Council, Institute of Library and Information Science, Kasaragod.

- University Library has organized a Training Programme for Research Scholars by EBSCO on 22.10.2019.
- University Library has organized Three day National workshop on Open Source Solutions for Libraries: Tools and Techniques on 18-20

December 2019 at Seminar Hall, Sindhu Block, Central University of Kerala.

University Library has organized Three day National workshop on Open Source Solutions for Libraries: Tools and Techniques on 18-20 December 2019 at Seminar Hall, Sindhu Block, Central University of Kerala.

University Library has organized one day workshop jointly organized with NDLI Club, IIT, Kharagpur on "NDLI Club- Kasaragod Regional workshop" for the library professionals.

University Library has organized two days National Symposium on Academic Writing, Publishing and Plagiarism: Trends, Practices and Issues on 08-09 January 2020.

**Workshop and Seminar organized, Attended and Publication:**

Dr. P. Senthilkumaran, Deputy Librarian has attended 11 programmes related to library science that support professional development. He has edited one book and organised a two day national symposium on Academic Writing, Publishing and Plagiarism: Trends, Practices and Issues. He has published one paper in an inter national journal. Dr. ShivaramaRao attended one seminar during the period.

2. Dr. Gireesh Kumar T.K., Assistant Librarian completed PGDLAN (Post Graduate Diploma in Library Automation and Networking) course

from University of Hyderabad with first class (Class Topper). He has delivered 1 lecture and become a member of Ranganathan Society for Social Welfare and Library Development (RSSWLD), Greater Noida, Uttar Pradesh. He also Acted as Content Developer and Presenter for a MOOC course on Developing Life Skills and many similar initiatives that develop contents.

#### **ACHIEVEMENTS OF LIBRARY STAFF**

**National Best Librarian Award 2019**

Dr. P. Senthilkumaran got "National Best Librarian Award 2019" of Madras Library Association (MALA) in recognition of his outstanding contributions to the Library and Information Science Profession, on the occasion of 127<sup>th</sup> Birth Anniversary Celebration of Padmashree Dr. S. R. Ranganathan, held at Devaneya Paavanar Library Conference Hall, LLA Building, Chennai on 12<sup>th</sup> August 2019.

**Indian Library Leaders Promising Professional Award**

Dr. P. Senthilkumaran has received an Indian Library Leaders Promising Professional Award instituted by Satija Research Foundation for Library & Information Science; the award was presented at the Three day international Summit in the Delhi University in recognition of his outstanding contributions to the Library and Information Science Profession.

# Department of Students' Welfare

## Dean of Students' Welfare : Dr. A. Manickavelu

The Dean of students' welfare looks after the general welfare of the students outside the classroom, which contribute to the growth, and development of their personality. The DSW promote understanding among the students of fuller realization of their objects through fruitful intellectual, social, cultural and corporate life in the University. The DSW assist the Vice-Chancellor in all matters affecting, students generally and shall exercise such powers and perform such other duties as assigned to the DSW by the Vice-Chancellor.

### Programs Conducted/ Organized by the Department:

#### 73<sup>rd</sup> Independence Day celebration

Programme was held on 15/08/2019 at Central University of Kerala Periyar Campus. Function started at 8.30 am with flag hoisting by Hon'ble Vice Chancellor followed by Independence day message from Hon'ble Vice Chancellor. Various cultural programmes are conducted by students community of the university.

#### Fit India Movement

Based on the direction from MHRD, Govt. of India Fit India Movement campaign was planned at Central University of Kerala. The plan of campaign and the inauguration flyer was designed as follows and circulated to all the

Following table contains the details of students' council members

SNo	Name	Designation	Phone.No.	Department	Email ID
1.	Dr.A.Manickavelu	Chairman	9080462481	DSW	dsw@cukerala.ac.in
2.	Anumod	President	9495212841	Comp. Science	anumod.kk143@gmail.com
3.	Sneha	G- secretory	9645962937	Malayalam II	snehacheriyangatt@gmail.com
4.	Hariprasad	Vice president	8547354700	IR	ek.harivarma@gmail.com
5.	Athulya	Vice president	9645962937	PA&PS	athulyamvbanam96@gmail.com
6.	Sourave	J-Secretory	8086942201	ECO	souravasarang@gmail.com
7.	Shilpa	J-Secretory	7356394216	GNS	shilpabsekhar9@gmail.com
8.	Roopikachandran	ECMember	7012296326	BCMB II	roopikachandran08@gmail.com
9.	Jumana	ECMember	9744833345	IR	azeemkjumana@gmai.com
10.	Subin	ECMember	9747803086	Chemistry II	supinkko9@gmail.com
11.	Aravind	ECMember	8281976197	EVS	aravindramakrishnan101296@gmail.com

Ek Bharat Shreshth Bharat Program (January 2020) Central University of Kerala celebrated the EBSB day for the month of January 2020 by

stakeholders.

Central University of Kerala. The plan of campaign and the inauguration flyer was designed as follows and circulated to all the stakeholders.

The inauguration was held on 29<sup>th</sup> August, 2019 at Sabarmati Hall of the University. The program started with the live telecast of Hon'ble Prime Minister's inauguration speech.

Around 300 students plus teaching and non-teaching staff attended the program. After completing the formal inauguration, the members were divided into three groups to take part in three different campaign of Walkathon, Mini-marathon and Yoga practices. The distance covered for first two items was around 2 km which make the complete circle of our University.

Election of Students council members (2019-20)

Election notification published on 25<sup>th</sup> October 2019. Nominations received from students were scrutinized and eligible candidate's lists was published. Election was conducted on 8<sup>th</sup> November 2019. Votes were counted and results declared on the same day. Election to Executive Council was held on 11<sup>th</sup> November 2019. Oath taking by elected members and Executive council members was held on the same day at Seminar Hall, Sabarmati block.

conducting Himachal Pradesh and North-East Ethnic Wear Competition in their campus on 26<sup>th</sup> January 2020. This celebration

depicted the culture of our EBSB paired Himachal Pradesh as well as North East states. Nearly 12 departments participated in this competition

**Ek Bharat Shreshth Bharat Program (February 2020)**  
Central University of Kerala celebrated the EBSB day for the month of February 2020 by conducting Chakra competition in their campus on 14<sup>th</sup> February 2020. Students actively participated in groups. During the celebration the students utilized the used old tires and painted them with pictures, depicting the culture of our EBSB paired Himachal Pradesh as well as North East states.

#### **Republic Day Program**

71<sup>st</sup> Republic day celebration at Central University of Kerala started with flag hoisting by Hon'ble Vice Chancellor. After National anthem Hon'ble Vice Chancellor gave Republic day message. Various cultural programs, including EBSB ethnic day competition and special performance by team Saptama were started at 9.30 p.m.

#### **Foundation Day Program**

Foundation Day Celebration of Central University of Kerala was conducted with various cultural activities of students such as classical dance, solo and group songs. Program started at 7 p.m. and was over by 9.30 p.m.

#### **List of student Achievers – 2019-20**

Siddique Aslam, Department of Education Selected for 5th BRICS Youth Summit held in Brazil

Nivya V M, PhD scholar, Plant Science selected for SERB-OVDF (Overseas Visiting doctoral fellow) internship at Purdue University, Indiana, US

Arun Kumar K & Team (Director of One Act Play) PhD Scholars, Biochemistry Secured second place in One act play in the 35th Inter-University National Youth Festival held from 3-7 February, 2020 at Amity University, Noida and organized by the Association of Indian Universities (AIU).

Kashinath, Genomic Science secured II place in Elocution in 35th South Zone Inter-University Fest at Alagappa University,

Shristi Achar A, Economics Essay Competition First Maneesha A., PA & PS Essay Competition Second

Aijaz Ali-dar, IR Essay Competition Third

Brahmarshi Naik Yadav & Subham Tripathy, IR Quiz Competition First Prize

Amrutha P & Ashik Krishnan Economics Quiz Competition second Prize

G. S. Sandra Nair & Priya Mary John Economics Quiz Competition Third Prize

Mr. Nadirsha PS Nawab Department of Environmental Science Secured "Best Paper Presentation Award" in the 4th National Conference on "Frontiers in Ecobiological Sciences and its Applications (FESA-2019)

Fasil O.K, Computer Science, Outstanding Student Branch Chairperson AWARD - 2019 from IEEE Malabar Subsection

Ms. Akila V R, Social Work, Selected as 5th Kerala Social Work students congress president for the year 2019-20 representing 43 social work colleges in Kerala

Mrs Anjana & Ms Avitha, Social Work Collected 50 units of Blood for Red Cross Society

Mr. Anoop Choolayil, Social Work W o n t h e Bursary Award in the 2019 International Conference, Hong Kong

Ms. Haritha KV, Zoology CUK memento design

Ms. Fathimath Remsheel, Malayalam Prof. Mary Julian Memorial award for Best Dissertation Award

Ms. Renjith, Malayalam, Prof. Mary Julian Memorial award for Best Dissertation Award

Koyippally Joseph Joseph, MBA – G 1st place for Best Manager Competition at National Level Management Fest held at Vimal Jyothi College, Kannur.

Aysha Safeena, Athul Krishna, Mohammed Shaheen and Sabith MH MBA – G st place for Finance Team Competition at National Level Management Fest held at Vimal Jyothi College, Kannur

Sneha Mathew, Rakhi, Shiyona Prajosh, Siddharth MBA – G 1st place for Human Resource Team Competition at National Level Management Fest held at Vimal Jyothi College, Kannur

Anu Elsa, Devanand V, Nabeela Sultana, Brinthima BK MBA – G 1st place for Best Management Team Competition at National Level Management Fest held at Vimal Jyothi College, Kannur.

# **Administrative & Support Services**

**Vice-Chancellor's Office**  
**Registrar's Office**  
**Administration**  
**Academic Branch**  
**Examination**  
**Purchase and Store**  
**Finance**  
**Research and Project Cell**  
**Hindi Cell**  
**IT Wing**  
**Engineering Purchase and Store**  
**Estate Section**  
**IT Wing**  
**Examination**  
**Finance**  
**Health Centre**  
**Hindi Cell**  
**Recruitment and Legal Section**  
**Media Relations Office**

## **Vice-Chancellor's Office**

### **Staff Details:**

Shri Venkitaraman A. R., Private Secretary

Shri Muhammed Shareef P.K., LDC

Shri Akhilesh M. K., Driver

Shri Ajay Gopal B, MTS

Shri Priyesh B.K., Office Assistant (Outsource)

Shri Renjith Krishnan M, Office Assistant (Outsource)

## **Registrar's Office**

### **Staff Details**

Dr. A. Radhakrishnan Nair, Registrar

Mr. RathishBabu M M, Private Secretary to Registrar

Mr. Vembu R, Lower Division Clerk

Mr. Vyshak M C, Multi-Tasking Staff

Mr. Suresh Kumar V, Driver to Registrar

# Administration

Name of officers in charge of the office during 01.04.2019 to 31.03.2020

Name	Designation
Dr. G. GopaKumar	Vice Chancellor
Dr. K. Jayaprasad	Pro-Vice-Chancellor
Dr. A. Radhakrishnan Nair	Registrar
Dr. B.R. Prasannakumar	Finance Officer
Dr. Muralidharan Nambiar	Controller of Examinations

Staff strength-sanctioned and staff in Position

Name of Post (Teaching)	Total Sanctioned strength	Strength as on 31.03.2020					
		UR	OBC	SC	ST	PwD	Total
Professor	26	10	1	0	0	0	11
Associate Professor	53	22	1	2	0	0	25
Assistant Professor	113	39	23	11	6	2	79
Total	192	71	25	13	6	2	115

Name of Post (Non-Teaching)	Total Sanctioned strength	Strength as on 31.03.2020					
		UR	OBC	SC	ST	PwD	Total
Group A	23	16	0	0	0	0	16
Group B	31	21	2	1	0	0	24
Group C	84	54	12	5	1	1	72
Total	138	91	14	6	1	1	112

Staff worked at Administration/Establishment during 01.04.2019 to 31.03.2020

Shri Rajagopal KG, Deputy Registrar (Admn/Estt)

Shri. Jayakrishnan. K, Assistant Registrar

Shri. Predeep P.T, Section Officer

Shri. Prasanth. K, Assistant

Shri Ajithkumar N, Assistant

Shri. Sanush Kumar Maniyeri, Assistant

Shri. Bijoy. C, UD Clerk

Ms Lulu S Kumar, LD Clerk

Ms Jyothilakshmi N LD Clerk

Ms Veena Vijayan, Multi Tasking Staff

Smt. Shilpa MP, (Outsource staff)

Smt. Pooja (Outsource staff)

Shri. Hariprasad (Outsource staff)

Shri. Narayanan B (Outsource staff)

Shri. Suni (Outsource staff)

Promotion under Career Advancement Scheme during the period 01.04.2019 to 31.03.2020  
 A total number of 21 faculty members have been promoted under CAS during this period.  
 Five faculty members from Associate Professor (Stage 4) to Professor (Stage 5)  
 One faculty member from Assistant Professor (Stage 2) to Assistant Professor (Stage-3)  
 Thirteen faculty members from Assistant Professor (Stage 1) to Assistant Professor

(Stage2)  
 Conducted Departmental Promotion Committee meetings for various Group A, Group B & Group C Non-Teaching posts and gave promotion to 15 employees.  
 Notification for recruitment of various Group A (05 positions), Group B (12 positions) & Group C (55 positions) Nonteaching posts issued and appointed 53 employees as detailed below:

SI No.	Name of post	No. of persons appointed
GROUP A POSTS		
1	Medical Officer (Male)	01
2	Medical Officer (Female)	01
GROUP B POSTS		
3	Section Officer	01
4	Assistant Engineer	01
5	Security Officer	01
6	Nursing Officer	01
7	Senior Technical Assistant (Computer)	01
8	Hindi Translator	01
GROUP C POSTS		
9	Technical Assistant	01
10	Security Inspector	01
11	Laboratory Assistant	06
12	Lower Division Clerk	17
13	Hindi Typist	01
14	Cook	01
15	Multi-Tasking Staff	05
16	Library Attendant	04
17	Laboratory Attendant	06
18	Hostel Attendant	02
19	Medical Attendant	01
Total		53

# Academic Branch

Shri. Sureshan Kandathil, Assistant Registrar, Academic  
Shri. Ravi K, Section Officer , Academic from 01.04.2019 to 15.07.2019  
Shri. Subash K.B. Section officer from 16.07.2019 onwards  
Shri. Mohammed Ashraf .T.P,  
Shri. Revish  
Shri. Sreehari.E  
Smt. Sujitha Jinan,  
Shri. Sreekumar .P  
Smt. Danya. P  
Smt. Hemamalini .N,  
Shri. Bhavith P.B Assistant  
L.D.C. from 23.10.2019 onwards  
LDC from 04.02.2020 onwards  
Office Assistant (outsource) up to 13.03.2020  
Office Assistant (outsource) up to 14.02.2020  
Office Assistant (outsource) up to 15.01.2020  
Office Attendant (outsource) up to 15.01.2020  
Driver cum Attender (outsource) from 17.03.2020

The Academic Branch manages and coordinates all the academic activities of the University consisting of 27 Departments under 12 Schools. The important academic activities looked after by the Academic branch are as given below:

1. Establishment of new Departments / Centres / Chairs in accordance with Acts and Statutes of the University.
2. Appointment of Deans of Schools, Heads/Incharges of Departments. Prepareing and placing agenda for the Academic Council and taking follow up actions.
3. Constitution of School of Boards and Board of Studies to frame and design curriculum and other related activities.
4. Notification of Ph.D. and Admission.
5. Notification of Academic Calendar and formulation Fee Structure.
6. To accord administrative and financial sanction for faculty members and Research Scholars to the Seminars, Symposia, and Workshops, Orientation/Refresher Courses and Invited Lectures etc. and their settlement.
7. Maintenance of Duty Leave, Special Casual Leave accounts of Deans, Heads and other Faculty.
8. General correspondence and preparation of various data to the UGC,MHRD, NAAC, AIU and similar bodies.
9. Financial assistance to the teachers and students to participate in the academic Seminars, Workshops, Symposia etc.
10. Financial assistance to the student's tours, field works, industrial visit, internship etc.
11. Various correspondences of International & National Collaborations , Industry Academic Linkage, GIAN
12. Parliament Office correspondences
13. IQAC, NAAC, Placement Cell, Students Counseling Centre, Anti-Discrimination Officer, Equal Opportunity Cell, Grievances Cells, Internal Complaints Committee, SC/ST Cell, Students Discipline Committee and Anti-Ragging Committee etc.
14. Facilitating Research scholars to availing fellowship from funding agencies like (UGC, INSPIRE, ICSSR, KSCSTE, CSIR, SERB etc)
15. Facilitating students for applying and availing scholarship which do not comes under Direct Benefit Transfer Scheme
16. Operating and managing national scholarship portal.

# Research and Project Cell

Following staffs are currently working in the RP Cell

1. Dr.Padmesh P Pillai, Deputy Registrar i/c
2. Mr. Ravi K, Section Officer
3. Ms.Kavitha P.N, UDC
4. Mr.John Mathew, UDC
5. Mr Manuraj V, LDC

The Research and project cell has been established in 2015 with a view to facilitate speedy disposal of files related to project. The cell was reconstituted in 2018 to deliver all administrative and financial service at one place. It is headed by a Deputy Registrar and currently handling 5 infrastructure / development projects, 80 research projects and 4 Post-Doctoral Fellowships.

The functions of the RP Cell includes forwarding of project proposal, opening separate bank accounts for the project, overall administrative, purchase and financial supervision, verification of statement of expenditure and preparation of utilisation certificate.

The Central University of Kerala has received an amount Rs.4,00,114,51/- (Rupees Four Crore Eleven Thousand Four Hundred and Fifty-One only) through external funding under research projects and Development project from various funding agencies like Department of Biotechnology, Department of Science and Technology, UGC, MHRD etc. during the year 2019-20.

# Engineering

## Staff Details

Rajagopal. K.G : B Tech (Civil), M.B.A, Executive Engineer  
SreekanthV.K: B Tech (Civil), Assistant Engineer (Civil)  
Shanil. P : B Tech (Civil), Junior Engineer (Civil)  
PrameeshPrasad : B Tech (Electrical) , Junior Engineer (Electrical)  
Shigeesh. K.P, Office Assistant  
Hareesh Kumar. P, Office Attendant.

The function of the Engineering Department is infrastructural development and various maintenance works in Central University of Kerala. This includes both civil and electrical works pertaining to the University Development. Department is focused on bringing excellence and sustainability in all the activities involved in the completion of the projects. Completion of infrastructure development using optimum resource and time and by ensuring quality, safety and sustainability is the ultimate aim of this department. In addition to the funds received from the Ministry of Human Resources Development, with the vigorous liaisoning works of the Engineering Department helps to bring funds from Ministry of Social Justice and Empowerment and Ministry of Minority affairs. The various project works undertaken by the Engineering department which were completed and in progress are as follows.

### PAMBA GIRLS & NEYYAR BOYS HOSTEL

The Pamba Girls and Neyyar Boys hostel with 100 seat capacities each were constructed with the financial assistance from Ministry Of Social Justice and Empowerment, Govt of India under OBC Girls and Boys development Scheme respectively. Both the hostel building was inaugurated by Hon. Vice Chancellor, Central University Of Kerala Prof. (Dr.) G. Gopa Kumar on 11 July 2019 at Tejaswini hill campus, Periya. Total estimated construction cost of each hostel was Rs.5.15 Cr Out of which Ministry of Social Justice and Empowerments allocated Rs.2.70 cores each for these two hostels and balance funds were received from UGC grants. The construction of this hostel building is done by our PMC holder CPWD. The above hostel block consists of Ground + 3 floors and a total of 25

rooms with four students sharing basis. This building also includes common room, necessary toilets and also toilet facilities for physically handicapped people. Lift facility is also provided.

### PHASE II DEVELOPMENT WORK

The Phase II Development work of Central University Of Kerala was completed by PMC holder M/s. RITES Ltd., New Delhi. The Phase II Development work consists of Construction of roads to Proposed Administration building, Main entrance gate structure of the University with security Room, visitors lounge, parking yard etc along with steps to the main circle in front of the Proposed Administration building and down steps to the 8 Academic buildings, construction of Gate at southern entrance at national Highway, construction of gate at boys hostel side Compound wall, construction of compound wall along the slip road with Chain link fencing. Hon. Vice Chancellor inaugurated the Entrance Gate; Central University Of Kerala Prof. (Dr.) G. Gopa Kumar on 16 Sept 2019 at Tejaswini hill campus, Periya. The total sanctioned amount for the above work is 10.86 Cr.

### NEW GIRLS HOSTEL

The University has completed the construction of 100 seater SC hostel for girls under Babu Jagjivan Ram Chhatrawas Yojana (BJRCY) Scheme. The above hostel block consists of Ground + 3 floors and a total of 25 rooms with four students sharing basis. This building also includes common room, necessary toilets and also toilet facilities for physically handicapped people. Lift facility is also provided. The hostel building was inaugurated by Hon. Vice Chancellor, Central

University Of Kerala Prof. (Dr.) G. GopaKumar on 26 Jan 2020 at Sabarmati Auditorium, CUK. Ministry of Social Justice and Empowerments provided Rs.3 Cr for The project. Babu Jagjivan Ram Chhatrawas Yojana Scheme is for the construction of hostels For Scheduled Caste (SC) students is one of the means to enable and encourage Children/students belonging to these Castes (SC) to attain quality education. The construction Of this hostel building was done by PMC holder CPWD.

#### **YAMUNA BLOCK (DEPARTMENT OF YOGA STUDIES)**

University has completed the construction of Academic building for Yoga Studies. The building Was inaugurated by Shri. Shripad Yesso Naik, Hon. Minister of State (I/C) Ministry of AYUSH & Minister Of State for Defense , Govt of India on 24th February 2020 . A sum total of 4.93 Cr was Approved for the above work by ministry of Human Resource and Development. Total plinth Area of the final constructed building is 1413 sqm. The building consist of G+1 structure with Necessary class rooms ,laboratory, toilets and also inclusive of toilets for PH students. Lift facility also included in the building. The construction of this building was done by PMC holder CPWD.

**SARASWATHY BLOCK (SCHOOL OF EDUCATION)**  
University has completed the construction of Academic Building for School of Education under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT). The Building was inaugurated by Dr. Ramesh Pokriyal "Nishank", Hon. Minister of Human Resource And Development, Govt of India on 25 th February 2020 at Tejaswini Hill Campus. Prof. (Dr.) G. GopaKumar, Vice Chancellor presided over the inaugural ceremony. PMMMNMTT has sanctioned an amount of 5.38 Cr for the above work. Total plinth area of the final constructed Building is 1920 sqmt. The building consists of G+1 structure with Necessary class rooms, laboratory, toilets and also inclusive of toilets for PH students. Lift facility also included in the building. The construction of this building was done by PMC holder CPWD.

#### **KIOSK BUILDING**

The construction of KIOSK building was completed. The new KIOSK building was constructed Near Gangotri block. The total cost of construction was Rs.11.61 Lakhs. The same building is intended to use as Employers Staff Cooperative Society store of center of the University of Kerala.

#### **EXCLUSIVE WATER SUPPLY PROJECT**

The construction of exclusive water supply scheme to University from Karicheri River at MoonamKadavu about 7 K.M from University Campus is in the finishing stahe. The above Work is executed by Kerala Water Authority (KWA). The work consists of construction Of intake well in Karicheri River at Moonamkadavu, installation of transformer and fixing of suitable Pumps at pump house above the intake well, construction of 20 MLD water treatment Plant at University campus, laying of 250 mm pipe from MoonamKadavu to the Treatment plant at University campus etc.\*.

#### **CONSTRUCTION OF OVER HEAD TANK**

Construction of 10 lakhs liter capacity overhead water tank and 1 lakh liter water tank is In the final stage. PMC holder M/s. RITES Ltd. has undertaken the work. With the Completion of above work university is expected to attain self-sufficiency regarding Water supply related matters for the campus.

#### **CONSTRUCTION OF GUEST HOUSE**

The construction of a guest house consists of 4 VIP Suit rooms, 21 A/c rooms and two A/c dormitories with a meeting hall and dining hall facility is about to complete. The building consists of G+ 1 R.C.C framed structure with lift and other facilities. The total plinth area of the building is 2467 SqM. Total Allocated fund for the project is Rs. 11.43 Cr.

#### **CONSTRUCTION OF 2<sup>nd</sup> 100 BEDED GIRLS HOSTEL**

The construction of 2nd 100 beded hostel for Boys and Girls is under progress. Ministry of

Social Justice and Empowerment has sanctioned Rs 3.59 Cr and 5.45 Cr Respectively for these projects. PMC holder CPWD has undertaken the work. The above hostel block consist of Ground + 3 floors and a total of 25 rooms with four students sharing basis. This building also includes common room, necessary toilets and also toilet facilities for physically handicapped people. Lift facility is also provided.

**CONSTRUCTION OF SEMI – PERMANENT ACADEMIC BUILDING AT THIRUVALLA CAMPUS.**  
The construction of a semi-permanent Buildings and also the renovation of the existing R.C.C , G+1 structure with sheet roof semi –permanent library buildings at an estimated cost of Rs. 57,31,100/- is under construction. The above work was entrusted to the PMC holder CPWD.

#### **CONSTRUCTION OF COMPOUND WALL AT THIRUVALLA CAMPUS.**

Construction of compound wall around Thiruvalla Law Campus is under progress. PMC Holder CPWD has under taken the work at an estimated cost of Rs.74,28,600/-.The Construction of compound wall on two sides almost complete and other two sides in progress.

#### **APPROCH ROAD TO SOUTHERN CMPUS**

Approch road to southern campus and Guest house is in progress. The construction work is

#### **Name of Building**

Central Library  
Common Dining Hall and Kitchen for Girls Hostel  
Common Dining Hall and Kitchen for Boys Hostel  
Administration Building Phase I  
Hostel for Ladies 200 Seater Capacity  
Hostel for Gents 200 Seater Capacity  
Staff Quarters for Associate Professors (20 Nos.)  
Staff Quarters for Assistant Professors (20 Nos.)  
Health Centre  
**TOTAL**

undertaken by the PMC holder CPWD at an estimated cost of Rs. 67,91,302/-

#### **CONSTRUCTION ROAD ANLONG THE NORTHERN BOUNDARY WALL THE CMPUS**

As per the approval received from Kerala PWD, University has taken necessary steps for the shifting of the PeriyaThannot road passing through the middle of the University Campus to the northern boundary wall of the University. Accordingly University has awarded the work to the PMC holder CPWD at an estimated cost of Rs. 2,04,57,100/- for a total length of 1.30 KM.

#### **CONSTRUCTION OF POLICE AID POST**

Construction of Security room for police aid post is nearing completion at Tejaswini hill Campus, Periya.The total cost of the work is 6 Lakhs.PMC Holder CPWD has under taken the work.

#### **HEFA PROJECTS AT CUK, PERIYA**

Higher Education Financing Agency (HEFA) is a joint venture company of Canara Bank and Ministry of Human Resource Development Govt. of India has accorded sanction for the following nine building projects to Central University of Kerala. Accordingly University has entrusted these Rs.129.72Crs works to the PMC holder CPWD. Most of the above works are in the tendering stage.

	<b>Area ( Sq M)</b>	<b>Estimated Cost (Cr)</b>
Central Library	3267	18.34
Common Dining Hall and Kitchen for Girls Hostel	1203	5.38
Common Dining Hall and Kitchen for Boys Hostel	1203	5.38
Administration Building Phase I	5914	38.16
Hostel for Ladies 200 Seater Capacity	4466	17.96
Hostel for Gents 200 Seater Capacity	4466	17.96
Staff Quarters for Associate Professors (20 Nos.)	2480	14.48
Staff Quarters for Assistant Professors (20 Nos.)	3614	10.44
Health Centre	300	1.65
<b>TOTAL</b>	<b>12976.30</b>	<b>129.72</b>

# Purchase and Store

## Staff Details

Dr. Padmesh P Pillai	Deputy Registrar (P) I/c
Mr. Biju P	Section Officer (P) (From 14.02.2019 to 4.11.2019)
Mr.Ravi.K	Section Officer (P) (From 04.11.2019 onwards)
Mr. Nivin Sebastian	Upper Division Clerk.
Smt. Divya K Sathyan	Assistant
Mr.Sujith Kumar	Lower Division Clerk
Ms.Athulya Sreedharan	Lower Division Clerk
Ms.Krishnaveni.S	Lower Division Clerk
Mrs. Supriya. H.	Office Asst. (Out Sourced)
Mr. Sivaprasad T	Office Asst. (Out Sourced)
Ms. Neethu. K	Office Asst. (Out Sourced)
Mr.Prajith Kumar	Office Assistant(Out sourced)
Mrs. Kamala. K	Office Attendant (Outsourced)

The Purchase section is doing a vital role in procurement, storing and issuing of goods for the University. The purchases are being made for all the Departments, Campuses and Centers of the University by the Purchase section following GFR 2017 and other Govt. of India Orders issued from time to time. A centralized store for stationary and other consumables item are maintained in the main Campus. The new public procurement policy of Govt. of India, through Government e Market Place (GeM) has been successfully implemented

in the University procurement.

Standing Purchase Committees have been formed to examine and recommend the Indents of various equipment and furniture. Stationary and other routine consumables are centrally purchased and distributed under proper accounting and indent. The Details of procurement on Capital Expenditure viz., Furniture, Office Equipment and Scientific equipment's during the financial year 2019-20 is as follows.

Item	Amount in Rupees
Office Furniture	11092464.00
Office Equipments	3106124.00
Computer Peripherals	6271562.00
Major Scientific Equipments	19767535.00
Minor Scientific Equipments	3144137.00
Electrical and Electronic Appliances	844013.00
Others	8545282.00
Total	52771117.00

# Estate Section

Head : Sri. Rajagopal KG, Deputy Registrar I/c

The Estate Section of the University mainly concentrates on giving various supports to other Departments. In addition to the permanent infrastructure, Estate Section also undertook various activities to provide infrastructural facilities for campuses presently functioning in rented premises.

## **Staff Details**

Sri. Rajagopal K G, Deputy Registrar I/c

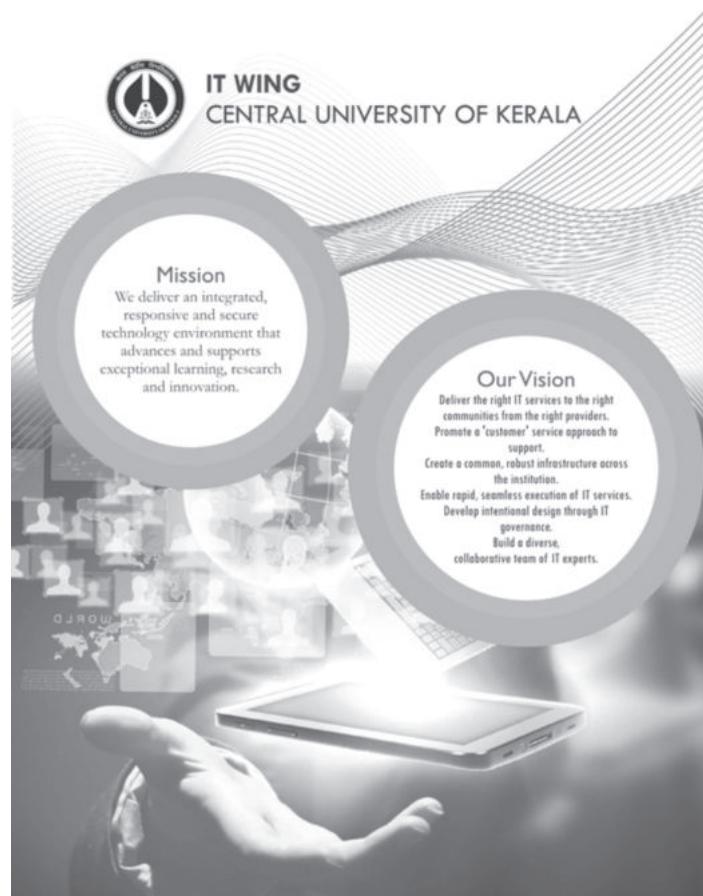
Sri. Sumesh P P, Section Officer

Sri. Rineevan V V, UDC

Sri. Jayith K, Office Attendant

Sri. Hariprasad, Office Assistant

The Estate Section of the University is looking after the day to day office up keeping as well as the maintenance of both rented and own buildings and also arrange supply of drinking water to the Offices and Hostels of all campuses of the University. The Section is looking after the campus beautification activities and maintaining gardens in the main campus Periyar. Similarly, the running as well as the maintenance of University vehicles are controlled by this Section. The section looks after the preparation and execution of lease deeds for rented buildings of the University.



#### **Staff Details:**

- Mr. Sreelesh V, System Analyst (Permanent)
- Mrs. Lakshmi U Menon, Senior Technical Assistant (Permanent)
- Mr. Sreejith V, Technical Assistant (Outsourced)
- Mr. Rathin Kumar, Computer AMC Staff
- Mr. Vishal B, Computer AMC Staff
- Mr. Shyam Krishna Dayal, Site Engineer (Campus Connect Project)
- Mr. Shyju P, Office Attendant (Outsourced)

About :- IT Wing of Central University of Kerala acts as the Central hub for all technical support requirements of the university. The IT Wing maintains the Information Technology infrastructure of the University such as computer hardware and peripherals, servers, networking devices etc. The maintenance and updating of official website of the university is also vested with this department. We provide the complete web service support for the online activities such as e-learning, webinars etc. IT Wing provides various services to Faculty members, staffs and students of the University along with the automation of existing with a view for improving productivity,

reducing expenses and optimising the workloads. IT Wing provides the requisite central facility for the growth and development of Teaching, Research and all other sections of the University.

**Our Mission:** - We deliver an integrated, responsive and secure technology environment that advances and supports exceptional learning, research and innovation.

**Our Vision:** - Deliver the right IT services to the right communities from the right providers. Promote a 'customer' service approach to support. Create a common, robust infrastructure across the institution. Enable rapid, seamless execution of IT services.

Develop international design through IT governance. Build a diverse, collaborative team of IT experts.

Major Activities conducted during the year.

University E- Governance System

The tendering process (Expression of Interest cum Request for Proposal) for Educational Resource Planning System for Central University of Kerala was completed following the Government of India Guidelines.

The process includes:

- 1) Preliminary shortlisting
- 2) Technical Evaluation by Committee
- 3) Financial Evaluation based QCBS (70 percent technical – 30 percent financial score)

The process was completed successfully and order placed to M/s ITI Limited a Government of India Organization

The following modules are included in ERP system.

- ◆ Purchase, Finance and Human Resource Management System
- ◆ Student Life Cycle Management System
- ◆ Project Management System (For Managing faculty Projects)
- ◆ E-Filing System (Similar to E-Office from NICSI)
- ◆ Alumni Management
- ◆ Guest House/Staff Quarters Management/ Transportation Management
- ◆ Distance learning software
- ◆ Dispensary/Clinic/Pharmacy Management

E-Learning System was recently launched for the students of Central University of Kerala.

MHRD WiFi Deployment to New Buildings

Completed deployment of MHRD WiFi to new Eight Academic Blocks through M/s Railtel. A total of 60 nos of MHRD WiFi access points were deployed in addition to the existing 56 nos deployed earlier. This took the total count of WiFi access points deployed in the University to 138 access points. The details of the access points deployed are as following

- a) As part of MHRD WiFi Project – 96 Nos (RUKUS)
- b) Deployed by the University – 42 (CISCO, FORTINET, DLINK etc)

EPABX System

IT Wing of CUK Proposed/procured and deployed the EPABX system in the University. Deployment of the telephone network to the eight academic block was completed. Distributed 180 Nos. of new telephones to various sections/departments. The co-ordination with stake holders M/s. BSNL and M/s. Malabar Systems has been done to ensure that the EPABX system of the eight buildings become live with in the time.

Websites Designed by IT Wing in 2019

International Symposium: - Department of Zoology conducted an International Symposium on Basic and Advanced Translational Immunology. The IT wing designed a website for this programme which was helpful for the participants to know all the details about the symposium.

E-Tendering - Central Procurement Portal

Completed deployment of E-Tendering System at Central University of Kerala through M/s NIC. Training for staff also conducted. As part of E-Publish system, started publishing tenders on the CPP Portal. There is also provision for E-Procure, ie online tendering system and this helps to avoid the hassles of offline tendering system and streamline and integrate to the online tendering system. Also this helps to reduce the amount of file process. A one-week training program was organized by IT Wing for demonstrating the working of e-tendering system to the staffs in the University. Section heads from various departments attended the meeting.

MATLAB Procurement

Deployed the MATLAB Campus License for CUKerala for a period of three years. Created user credentials for the students of school of physical science. A webinar was organized by Department of Computer Science on 1<sup>st</sup> June 2020. The Webinar was inaugurated by Prof. (Dr.) G Gopa Kumar, Vice-Chancellor. Dr. Rajesh R, HoD, Department of Computer Science acted as the chair for the sessions. Dr. Radhakrishnan Nair, Registrar, Deans, HoDs, Faculties & Students from various

departments participated in the training. Shri.. Shashi Kumar from M/s. CoreEL Technologies acted as the resource person for Matlab training.

#### Video Conferencing Facilities

Central University of Kerala has installed a dedicated video conferencing system for conducting video conference with remote locations. Videoconferencing uses audio and video telecommunications to bring people at different sites together. The existing hardware using is Huawei TE30.

The IT wing successfully conducted the following video Conferences

- ◆ Video Conference with Ministry of HRD regarding campus connect project
- ◆ PMMMNMTT Video Conference
- ◆ Video conferencing for seminars of Hindi Department/Social work Departments

#### Facilities obtained from NKN-NMEICT

The following are the facilities obtained under the schemes of National Mission for Education through ICT (NMEICT)/NKN (National Knowledge Network) from National Knowledge Commission, MHRD:

- ◆ 1Gbps high speed internet dedicated line – Permanent Campus at Periyar.
- ◆ LAN Connectivity – 2000 Nodes (Three locations)

#### Campus Network Infrastructure

Following is the status of Network in university campus:

- ◆ Presently 2000 Approx. LAN points available in the campus.
- ◆ Wireless Network – WiFi Access Points.
- ◆ Major portion of the campus is Wi-Fi connected.
- ◆ Kerala govt Free-Wifi access points deployed at Godavari building.

#### CUKERALA Website

The Website of Central University of Kerala has been upgraded to the latest version of Joomla. The website is being updated on a day to day basis by IT Section. University website has been developed in-house by IT Team.

Following jobs are being performed by the Web Administrator.

- ◆ Updation in Website.
- ◆ Website Maintenance
- ◆ Domain renewal
- ◆ Updation of Faculty Profiles/ Syllabus
- ◆ Uploading of Tender/News/Events/ Recruitment Notices etc.
- ◆ Uploading of EC/FC/Court Minutes

#### Softwares Developed/Deployed in house

Following softwares have been developed in-house and running successfully:

- ◆ File Tracking System
- ◆ CU Kerala Intranet
- ◆ Spiceworks Helpdesk System
- ◆ Google Apps Based Mail Service of Employees
- ◆ Open Source Office Solution – Libre Office

#### Servers maintained by IT Wing

Following servers are available with supporting items:

- ◆ RADIUS Authentication Server
- ◆ File Sharing Server
- ◆ Antivirus Server
- ◆ Email Server
- ◆ FTS Server

#### Network Security Devices

- ◆ Fortigate Firewall 600C
- ◆ Fortigate Analyzer 200D
- ◆ Juniper Mi10 Router
- ◆ Cyberoam Firewall CR NGFW Solution 50iNG
- ◆ Quick heal Seqrite Antivirus server
- ◆ E-Scan Antivirus server

#### Proposed Work in Progress

1. Common Computer Lab
2. Website revamping
3. Data Centre/Server Room

#### Other Services

- ◆ Maintenance of Computer Hardware and Peripherals
- ◆ Maintenance of Computer Networking
- ◆ RADIUS Authentication Username Password for Students and Faculty
- ◆ Central Procurement Portal Updation
- ◆ Central University Portal Updation
- ◆ Video Conferencing Room
- ◆ Govt E-Market Place Administration
- ◆ Intranet Portal
- ◆ Shram Suvidha Portal Administration

# Examination

Controller of Examinations : **Dr. M. Muralidharan Nambiar**

## Staff Details

Shri. Gopalakrishnan P	Assistant Registrar (Joined on 19.03.2020)
Shri. Mohanakrishnan C	Section Officer (upto 24.10.2019 )
Shri. Jayan K V	Section Officer (wef 04.11.2019)
Smt. Aswathi P S	Assistant
Smt. Deepa V K	LDC
Shri. Dhilipan V	LDC (wef 04.02.2020)
Shri. Bijil C K	LDC (wef 04.03.2020)
Smt. Sruthi M	MTS (wef 02.03.2020)
Shri. Rajeev S	Driver (CoE)
Smt. Ashitha K V	Outsourced staff (upto 15.02.2020)
Smt. Sharanya M K	Outsourced staff (upto 15.02.2020)
Shri. Nidheesh M	Outsourced staff
Shri. Sumithran P R	Outsourced staff

## Introduction:

The Examination Branch is working under the guidance of Dr.M. MuralidharanNambiar, Controller of Examinations. The University follows Choice Based Credit and Semester (CBCS) system. The evaluations involve both Continuous Assessment and End Semester Assessment. End Semester Examination for each course in each programme is conducted by the University in all the Departments. Other than the specialized Courses, the system of double evaluation is

followed. The Programme Committee awards grades for each candidate for each course. The external examiners are appointed from the panel approved by the Vice Chancellor.

## Brief Description:

Under the overall supervision of the examination branch the odd and even semester examinations in 28 Programmes (26 PG+1UG+1 PG Diploma) were conducted and results announced. Despite of the manpower constraints, the exam section

was able to publish the results and issued various certificates such as Semester Grade Cards, Provisional Certificates, Transcripts, Top scorer/Rank Certificates etc. on time.

#### **Details of students passed out during 2018**

Programme	Students
B. A. International Relations	28
M.A. Economics	35
M.A. English and Comparative Literature	36
M.A. Hindi and Comparative Literature	22
M.A. International Relations & Political Science	27
M.A. Linguistics & Language Technology	21
M.A. Malayalam	29
M.A. Public Administration and Policy Studies	31
M.Sc. Animal Science	27
M.Sc. Biochemistry and Molecular Biology	22
M.Sc. Chemistry	27
M.Sc. Computer Science	24
M.Sc. Environmental Science	22
M.Sc. Genomic Science	19
M.Sc. Geology	26
M.Sc. Mathematics	30
M.Sc. Physics	31
M.Sc. Plant Science	29
Master of Social Work	34
Master of Public Health	13
Master of Laws (LL.M.)	22
Master of Education	14
PG Diploma in Yoga	28
B.A. International Relations	31
Ph.D	10
<b>Total</b>	<b>610</b>

#### **CUCET-2019**

During the reporting year 2019-20, Examination Branch conducted CUCET-2019, an all India Common Entrance Test conducted by a

consortium of Central Universities in various centres across the country. Our University conducted the test at Kasaragod, Kannur, Thalassery, Kalpetta, Calicut-I, Calicut-II, Trissur, Palakkad, Kochi, Kottayam, Trivandrum & Mangalore centres. The examination was held on 25<sup>th</sup> & 26<sup>th</sup> May, 2019 and the OMR sheets were sent for evaluation to the nodal agency- Central University of Rajasthan with the Deputy Nodal Officer Dr. Ramachandran Kotharambath, Assistant Professor, Dept. of Animal Science. Based on the performance of the students in CUCET, Programme wise rank lists were published. The Controller of Examinations, who is also the coordinator of the admission committee, supervised the admission strictly following the reservation rules of Govt. of India. In addition to the above, one supernumerary seat each was also earmarked for wards of Defence/Ex-service men and Kashmiri Migrants in all Departments. PWD candidates are given 5 year age relaxation for admission as per rules. For admission to the newly started Programmes, i.e., MBA, MBA(Tourism & Travel Management), M.A. Kannada and M.Com; separate Entrance Tests were conducted by the office of the Controller of Examinations. Subsequently admission procedures were completed by the Exam Branch.

#### **FOURTH CONVOCATION**

The University conducted the Fourth Convocation on 02<sup>nd</sup> March 2020, wherein 600 Graduates of 2019 batch and 10 PhD scholars were awarded Degrees in a grand function. The Honorable Governor of Kerala Sri. Arif Mohammad Khan conferred the Degrees.

# Finance

Finance Officer : **Dr. B.R. Prasannakumar**

## Staff Details

Dr.Rajeevan K., Assistant Registrar  
Shri. Jayan.K.V, Section Officer (Upto 04.11.2019)  
Shri. Biju P, Section Officer  
Smt.Divya.K.Sathyam, Assistant (Upto 13.11.2019)  
Shri Nivin Sebastian, Assistant  
Smt.Bindu Predeep, Upper Division Clerk  
Smt.Aiswarya Nair O., Upper Division Clerk  
Shri.Anilash.K.K, Driver  
Shri.Manikandan.P, Office Assistant (Outsource)  
Smt.Sruthi.K.V, Office Assistant (Outsource)  
Smt.Nijila.V.V, Office Assistant (Outsource)  
Ms. Priyanka.M, Office Assistant (Outsource)  
Smt.Sunitha B, Office Assistant (Outsource)  
Smt. Mallika C., Office Assistant (Outsource)  
Shri. Abdul Salam.M, Driver cum Office Attendant (Outsource)  
Shri. Navas.K, Office Attendant (Outsource)

Finance wing is dealing with the University receipts and expenditure based on the rules and regulations issued from time to time by Department of Expenditure, DoPT, MHRD, UGC and the Ordinances of the University with the Objective of overall financial discipline in

transaction.

The total grant received from UGC for the financial year 2019-20 under capital, recurring and salary is Rs.40,02,56,000/-. Total income for the Financial year 2019-20 is Rs.49,82,11,428/- and total expenditure is Rs.50,36,57,942/-.

# Health Centre

## **Staff Details:**

Head of the Centre: Dr. Arathy R Nair MO(F)

Dr. Kannan A S	Medical Officer (M)
Mrs. Divya.E	Nursing Officer
Mr.Sajeesh K P	Medical Attendant
Mr.Jithesh M	Pharmacist
Ms. AarthiKamath	Clinical Psychologist
Mr.Vivekanandan	Ambulance Driver
Mr.Praveen	Ambulance Driver
Mr.SharathKK	Substitute Ambulance Driver

## Brief Profile of the Centre:

- A. Providing medical care to the students, staff and their dependents
- B. Appointed Nursing officer and Medical Attendant for the smooth functioning of Health center
- C. Outpatient clinic with supply of medicines free of cost
- D. Health center starts working from 8am-7 pm (6days a week) and 24x7 doctors on call also available

## Brief summary of the activities carried out by the Centre:

- A. 24x7 Ambulance service available with all necessary equipment's in case of emergency
- B. Blood donation camp in collaboration with NSS Unit III
- C. Malaria Dengue fever source reduction

- campaign during monsoon season
- D. Activities in collaboration with community health center Periya for prevention of malaria among migrant construction workers
- E. Arranging medical aid on all celebration days like Arts day, Sports day and outdoor workshops
- F. Conducting health camps with assistants from Department of Social work and Public health Departments
- G. Providing medical aid for residential camp like INSPIRE, NSS camps
- H. Conducted Health Education and awareness classes for various department students
- I. Organized Mental Health Day celebration along with Department of Yoga studies
- J. Arranged weekly counseling sessions to students and staff with health issues through the Clinical psychologist

# Hindi Cell

Dr. AnishKumar.T.K, Hindi Officer  
Smt. Amitha. S, Hindi Translator

For the effective implementation of Official Language Hindi in the University, an Official Language Implementation Committee (OLIC) was constituted comprising the Vice Chancellor, as the Chairman, the Registrar as the Executive Chairman, the Hindi Officer as the Member Secretary and all the Deans of Schools, HODs and Section Heads as members of the Committee. The meetings of Official language Implementation Committee are being conducted every quarter to discuss the progress of Official Language Implementation in the University. During the Financial Year 2019-20, the quarterly meetings were conducted on 24 June 2019, 20August 2019, 18 December2019, and 18 March 2020.

Now most of the stationeries like letter heads, forms, files, registers etc. used in the University are prepared bilingually and the Hindi Cell is taking necessary steps to make all the official stationeries used in the University in bilingual format. The boards and the rubber stamps are already made in bilingual form. The Degree Certificates of all courses conducted by the University are now prepared both in Hindi and in English. The University website is partially bilingual. All computers used in the University are having bilingual facility. All the notified Ordinances of the University are bilingual. The pay slips are issued in bilingual form.

## Appointment of Hindi Translator and Hindi Typist

The recruitment process for the posts of Hindi Translator and Hindi Typist have been completed and both the Hindi Translator and Hindi Typist joined in the month of February 2020. Recruitment of Hindi Typist and Hindi Translator was a long pending assurance given to the High Level Official Language Committee of the University Grants Commission.

## Incentive Scheme

The University has introduced an incentive scheme for its employees for original noting and drafting in Hindi as per the directions from the Ministry of Home Affairs. The winners of the Incentive Scheme for the year 2018-19 were awarded with cash prizes during Hindi Fortnight Valedictory Ceremony held on 30th September 2019.

## Incentive Scheme Assessment Committee for the year 2019-20

Dr.A.Radhakrishnan Nair, Registrar - Chairman  
Dr.Taru S Pawar, Head, Department of Hindi - Member  
Dr.AnishKumar.T.K, Hindi Officer - Member

## HINDI FORTNIGHT CELEBRATION 2019

The Central University of Kerala always gives special attention to the activities related to the Official Language Implementation in the University. This year the Hindi Fortnight was organized from 17<sup>th</sup> to 30<sup>th</sup> September 2019. The fortnight was inaugurated on 17<sup>th</sup>September 2019, the Hindi Day by Prof. (Dr.) G.Gopinathan, Former Vice-Chancellor, Mahatma Gandhi International Hindi University, Wardha. Prof. (Dr.) K. Jayaprasad, Pro-Vice Chancellor presided over the function. Dr.A.Radhakrishnan Nair, Registrar, Dr.M.MuralidharanNambiar, Controller of Examinations, Prof. SudhaBalakrishnan, HOD-Hindi and Dr.Taru S Pawar, Associate Professor, Dept. of Hindi felicitated the programme. Dr.AnishKumar.T.K, Hindi Officer delivered the welcome speech and Dr. SeemaChandran, Assistant Professor-Hindi proposed vote of thanks.

In connection with the Fortnight Celebrations, various Hindi Competitions have been conducted for the CUK Employees, Students and

the Employees' children. Everybody creatively participated in all the Hindi programmes and competitions. In addition to this, various Hindi competitions have been conducted this year for the College and High School students in Kasaragod district. The Hindi competitions for the College and High School students have been co-ordinated by the Dept. of Hindi, CUK. Hindi programmes have been separately conducted in the Law Campus, Thiruvalla and the Capital Centre, Thiruvananthapuram. The Hindi programmes in Thiruvalla Campus have been organized under the leadership of Dr.GirishKumar.J, HOD and Dr.Jayasankar.K.I, Asistant Professor and the Hindi programmes in Capital Centre have been co-ordinated by Dr.Prasannakumar.P.C, Associate Professor- IR. The Valedictory Ceremony of the Hindi Fortnight Celebration 2019 of the CUK was conducted on 30<sup>th</sup> September 2019 at 2.30 PM inTejaswini Hills Campus. Pro-Vice-chancellor Prof. (Dr) K.Jayaprasadpresided over the function. Shri.M.J.Vijay, DIG of Police, Central Reserve Police Force, Kannur was the Chief Guest of the

valedictory ceremony. Dr.A.Radhakrishnan Nair, Registrar, Dr.M.MuralidharanNambiar, Controller of Examinations and Dr.Taru.S.Pawar, HOD Hindi felicitated the function. Dr.AnishKumar.T.K, Hindi Officer delivered the welcome speech and Dr. Supriya.P, Assistant Professor-Hindi proposed vote of thanks.

During the valedictory ceremony, cash prizes were distributed to the winners of the various Hindi competitions. The winners of the incentive scheme for doing maximum work in Hindi for the year 2018-19 were awarded with cash prizes in the valedictory ceremony. The programme concluded with colourful cultural programme by the students of the Dept. of Hindi.

#### **Participation in Conference/Seminars/ Workshop etc.**

Dr.AnishKumar.T.K, Hindi Officer attended the State Level Official Language Seminar and Workshop organized by the Town Official Language Implementation Committee from 09.01.2020 to 10.01.2020 at CIFNET, Kochi.

# Recruitment and Legal Section

The following staff were engaged in Recruitment and Legal Section from 1<sup>st</sup> April, 2019 to 31<sup>st</sup> March, 2020

Shri. Predeep P.T,	Section Officer (Recruitment and Legal Section)
Shri. Sanush Kumar Maniyeri	Assistant (Recruitment and Legal Section)
Shri. Ranjith.A	Office Attendant (outsource-Recruitment and Legal Section)
Smt. Reshma	Office Assistant (outsource-Recruitment Section)
Shri. Sunil. S	UDC -(Recruitment Section)
Adv. Shiga N.P	Legal Assistant (outsource - (Legal Section)
Adv. Maneesha Madhavan	Legal Assistant (outsource-Legal Section)

The Legal Section deals with the followings matters:

- (a) Court Cases filed against and by the University
- (b) Appeal filed by the University
- (c) Legal fee matters
- (d) Legal vetting of MoUs and documents received from various sections
- (e) Complaints received from Teaching staff/non-teaching staff/students/general public, MHRD/UGC, Government of Kerala etc

(f) Disciplinary Proceedings

The Recruitment Section deals with the following matters:

- (a) Receipt and data entry of various applications received against University job notifications
- (b) Conduct of scrutiny committee meeting for various faculty and non-faculty positions
- (c) Assisting the conduct of Interview convened by the Vice Chancellor

# Media Relations Office

Public Relations Officer: Prof.V.Rajeev

Asst. Public Relations Officer: Dr.AnishKumar.T.K

The Media Relations Office of the Central University of Kerala was constituted in 2012 to facilitate positive, consistent and credible reports about the University and its activities in the media so as to provide visibility to the University and to keep the public posted about the University's events, achievements and extension activities.

The Office of the Media Relations is the first point of contact for media outlets. Each year the MRO issues dozens of press releases and media advisories reporting University accomplishments, including grants received, other faculty and student achievements, new academic programmes, conferences and upcoming events. This has enabled the general public to keep abreast of and participate in University activities. The MRO also regularly contacts local and regional media representatives about feature stories on Campus. National dailies gave extensive coverage to the University throughout the 2016-17 academic year. Leading vernacular dailies like Mathrubhumi, Malayalamanoram etc. also dedicated ample provided columns on education. Other dailies that gave coverage to University news included Janmabhumi, Udayavani, Chandrika, Deshabhimiani, Kerala Kaumudi, Madhyamam, Veekshanam, Tejas etc. We share the news of the University through

24 dailies and 16 channels. Out of the above, the University is having circulation of 9 vernacular dailies and 2 English dailies.

The following are some of the remarkable auspicious events in the University during the financial year 2019 -20 and the Media Relations Office has given special attention for providing maximum media coverage for these glorious moments:-

The School of Education building SARASWATHY was inaugurated on 25.02.2020 by Dr.RameshPokhriyal 'Nishank', Hon'ble Minister of Human Resources Development, Government of India..

The Department of Yoga building YAMUNA was inaugurated on 24.02.2020 by Shri. ShripadYessoNaik, Hon'ble Minister of State, Ministry of AYUSH, Government of India.

Dr.E.Sreedharan (Metro Man) visited the University on 17<sup>th</sup> Decemebr 2019 for an invited talk organized by the Department of Management Studies.

Shri.RajmohanUnnithan, Hon'ble Member of Parliament, Kasaragod visited the University on 28<sup>th</sup> September 2019 for inaugurating the Gandhi DarshanYatra organized by the NSS Cell.

DST INSPIRE Science Camp was ogranised by CUK from 21<sup>st</sup>

December 2019 to 26th December 2019 in the Tejaswini Hills Campus. The Fourth Convocation was held on 02.03.2020, in which Hon'ble Governor of Kerala, Shri. Arif Mohammed Khan was the Chief Guest.

The 11<sup>th</sup> Foundation Day was celebrated on 02.03.2020. Dr. G. Madhavan Nair, Former Chairman, ISRO & Secretary to the Department of Space, Govt. of India was the Chief Guest of the function.

### **CU Kerala Newsletter**

During the financial year 2019-20, 3 issues of the CU Kerala Newsletter have been published for showcasing the activities, awards, achievements, participation of faculties, research

scholars, students and officials of CUK in various programmes, presentation of papers in the seminars and conferences, publication of articles in journals, newspapers and books etc. Due to lock down declared by the government in view of the COVID 19 pandemic, the January March 2020 issue was delayed and the publication of the same is in progress.

### **Workshop for SMCs**

Dr. Anish Kumar T.K attended the one day workshop for the Social Media Champions on 27.12.2019 organised by the Ministry of Human Resources Development at VigyanBhawan, New Delhi.

# Cells/Committees

Academia-Industry Collaboration  
Anti Discrimination Cell  
Anti Ragging Committee  
Centre for International Co-operation  
Cultural committee  
Digital Initiative in All Spheres  
Ek Bharath Shreshtha Bharath (EBSB) Youth Exchange  
Grievance Redressal committee for Non-Teaching Staffs  
Institution's Innovation Council  
Internal Complaints Committee (ICC)  
International Linkage Committee  
IPR Cell  
National Service Scheme  
SC/ST Cell  
Sports  
Student Counseling Centre  
Student Discipline Committee  
Swachh Bharat Abhiyan  
Unnat Bharat Abhiyan

# Academia-Industry Collaboration

Universities/academic institutions mainly focus on educating people, creating new knowledge and excelling in existing know-how. While industries/companies concentrate on mastering the challenges of a competitive environment and striving for market success. It is quite obvious that the core interests of both parties are different. However, when they collaborate, innovations come out and both partners get maximum benefits. Each party has its own specific expectations. For example, the companies/industries expect innovative and state-of-the-art lectures, the latest research results, ground breaking new methodologies and scaling up the novel processes. On the other hand, the universities expect their students to be given technical/business experience e.g. through internships and opportunities to put their skills into practice. Besides, the academia also expects to be given the opportunity to transfer theoretical ideas into practical projects and to implement research in the real world.

Central University of Kerala (CUK) established under The Central University Act, 2009 is striving to reach the goal of centre of excellence in teaching, basic and applied research. At present CUK has 26 Departments that encompasses all areas of education. In order to deliver the theoretical principles of various subjects, faculty having enormous experience and wide exposure were recruited. More importantly, the CUK has young and vibrant science faculty representing various disciplines of science who are working hard to transform the University into a real centre of excellence through innovations and technology development and thereby leave an imprint in the 'Make in India' programme of the Government of India.

## **Status:**

CUK has formulated a centre for 'Academia-Industry collaboration'. Some CUK faculty have already collaborated with various public and private industries.

The Department of Management Studies, Central University of Kerala has initiated to enter into

MoU between the Department and HLL, Life Care Limited, a Govt. of India enterprises incorporated as a company with registered on and corporate office at Thiruvananthapuram, State of Kerala as partners for promoting the Industry- Academic interaction activities and to achieve academic excellence of students of Management Studies. The Mou is enter into with the company with the following objectives

The major objectives for which the parties associate with each other are:

- a) To effectively share the facilities and expertise for improving the capabilities for advanced management education and research.
- b) To facilitate academic and research interactions between students and HLL.
- c) Collaborate to share and exchange information between both parties for mutual benefit and knowledge enhancement.
- d) To provide opportunities for students from graduate and research scholars of management to undertake summer industrial training and internship projects in HLL for mutual benefit.
- e) To provide expert faculty from HLL for academic and training programmes of Management students.
- f) To provide expert opinion by HLL in formulating curriculum and syllabus of courses of management.
- g) To conduct academic programs jointly to impart professional skills among the students as well as scope to facilitate consultancy.
- h) To facilitate organizing entrepreneurial awareness camps to students.

The Department of Public Health and Community Medicine has industry collaboration by engaging Master of Public Health students to work with the healthcare industry namely private foundations, non-governmental organizations, district and state health administrations, private and government health care facilities, such as CHD, Mangalore, ICMR- National Centre for Disease Informatics and Research, Bangalore, NHM, Kasaragod, Institute of Public Health, Bangalore,

State Health Systems Resource Centre, Thycaud, Thiruvananthapuram, Kerala, NLR India Foundation, New Delhi, Amrita Institute of Medical Sciences, Kochi, Department of Epidemiology, NIMHANS, Doctors for You, Bihar, ACCEPT (AIDS Control and Community Education Programmes Trust), Visakhapatnam, ArogyaKeralam, Trivandrum, PANTECH FSW SURAKSHA PROJECT, Kanhangad, Manjeri Medical College, etc. Department have formal communication with each of the above mentioned organizations and the students have worked with them as interns for at least a month.

Department of Chemistry has collaboration with IOCL R&D and one of the Ph.D. scholar have co-

guide from IOCL R&D. Further, in order to initiate internship and collaboration, department of chemistry have industrial visit as a part of curriculum in each year and have discussion with SABIC and Süd-Chemie (part of Clariant) R&D for the collaboration. In addition, Department of Chemistry also have collaboration with Kuwait Institute of Scientific Research. Department of Physics is working on sensor development for the qualitative and quantitative measurement of ammonia content in seafoods using a nanosensor platform, the possible applications of that in marine sea food industry is discussed with a company called ORIGIN (which is in the preliminary stage of academic-industry collaboration).

## Anti Discrimination Cell

Honorable Vice Chancellor, Central University of Kerala	Chairman
Dr. K Arunkumar, Professor, Department of Plant Science	Convener
Dr. Rajendra Pilankatta, Associate professor, Department of Biochemistry & Molecular Biology	Member
Dr. T J Joseph, Assistant Professor, Department of Economics	Member
Dr. Thasleema T M, Assistant Professor, Department of Computer Science	Member
Dr. Seema Chandran, Assistant Professor, Department of Hindi	Member
Dr. Gilbert Sebastian, Assistant Professor, Department of International Relations	Member
Dr. Manikandan, Assistant Professor, Department of Mathematics	Member

The eight members committee of anti-discrimination cell of central University of Kerala did not receive any complaints during the academic year 2019-2020 from students/teachers and non-teaching members.

## Anti Ragging Committee

There have been no Ragging cases reported in the University till date. The students are given awareness on ragging and its consequences in the beginning of the new academic year through the university induction programme and department welcome day. They are made to fill the online anti ragging undertaking and the forms are collected by the concerned departments. Every Student is given an information card related to ragging with the contact details of CUK-ARC members and National level helplines during the induction programme. Anti-ragging posters have

been displayed with contact details of CUK- ARC members and national level helplines at all prominent places. The wardens of all hostels are frequently contacted to make sure that no ragging takes place in hostels. Anti-ragging squad has been constituted for further checking and visits in campus. Squad members check on all activities and make sure that there is no ragging in any form. The Committee collaborates with the Students Counseling Centre of CUK to ensure better mental health and hygiene of the students.

# Digital Initiative In All Spheres

In tune with Government of India's vision for Digital India, Central University of Kerala has initiated process for digitization in all spheres of academic education and administration. Central University of Kerala recently launched 'E-Learning Platform' for conducting the academic activities online during the COVID-19 situation. The launch of E-Learning Portal ensured that the academic activities of Central University of Kerala continues unhindered during these trying times.

Further Central University of Kerala has tied up with M/s ITI Limited for implementing the ERP(Educational Resource Planning System) at Central University of Kerala. As part of collaboration we have recently launched the E-Filing System of digitizing the filing system of the University.

The following projects are in pipeline for implementation

Project Management System

Human Resource Management System  
Leave Management System  
Student Admission System  
Research Student Management System  
Academic & Examination Management System  
Student Feedback System  
Finance Management System  
Bill Processing System  
Income Tax Management System  
Budget Management System  
Finance Management System  
Student Attendance Management System  
Stores & Purchase Management System  
Hostel/Quarters/Guest House Management System  
Scholarship Management System

University has constituted a committee for implementation of the above system and it is expected that within a period of 6 to 8 months all the above systems will be online and University will move to the digital mode completely.

## Cultural Committee

Cultural committee at CUK led by Dr. R. Aswati Nair and Dr. Thiyyagu K motivates students to participate in a multitude of cultural activities round the year. With lots of effort and planning the coordinators together with a team of active students have conducted following programs during the reporting period and have been successful in winning accolades to CUK for first time which include:

CUK students win prizes at 35th South Zone Inter-University Youth Festival 2019

Student team from Central University of Kerala (CUK) won prizes at the 35th Inter-University Youth Festival (South Zone), AlaguFest 2019 held at Alagappa University, Karaikudi from 18-22 December, 2019, organized under the aegis of Association of Indian Universities (AIU) and Ministry of Youth Affairs and Sports, Government of India. Mr. Kashinath from CUK secured second position in Elocution (Literary events category). The CUK student team also bagged second

position in One act play (Theatre event). The winning teams have been selected for National Level competitions. The South zone festival had witnessed participation of students from around 37 Universities in the region. The CUK team was successful in securing V place in Group song (Western), IV place in Western instrumental (solo), V place in Folk dance and V place in quiz. CUK winning team bags second prize at 35th AIU (Association of Indian Universities) National Level Youth Festival 2020

The winning teams (Elocution and One Act Play) that were selected from Inter-University Youth Festival bagged second prize for One act play at 35th AIU National Youth Festival, Unifest 2020 held at Amity University from 3rd to 7th February 2020.

Conduct of cultural programs as part of the Foundation Day celebrations on 2nd March 2020 CUK Foundation Day celebrations held on 2nd March 2020 concluded with various cultural

programs showcasing the talent of both students, staff and their children.

#### Conduct of CANKAMA 2020

Together with CUK Student's Council, the CUK Arts Festival christened "CANKAMA" was conducted. The off-stage literary events were held on 30th and 31st January 2020 and the on-stage programs were held from 17th to 19th February 2020. Canakama 2020 was formally inaugurated on 17th February 2020 by Hon. Vice Chancellor, Prof. (Dr.) G. Gopakumar with Dr. M.V. Pillai as Chief Guest. The vibrant persona of students was witnessed to the full during the Annual arts festival which culminated with a valedictory function on 19th February 2020 which was presided over by Hon. Vice Chancellor, Prof. (Dr.) G. Gopakumar and graced by the presence of

Dr. D. Sajith Babu, District Collector, Kasaragode as Chief Guest.

Cultural coordinators have been successful in involving maximal student participation in various activities towards overall personality development of the students. Student participation in various cultural activities were initiated and ensured with the sole intention that each participating student leaves the campus with fond memories of their vibrant campus life that they can treasure throughout their lives.

CUK Cultural team wins second prize for One act play at 35th South Zone Inter-University Youth Festival 2019

CUK Student team performances during 35th South Zone Inter-University Youth Festival 2019

## Centre for International Co-operation

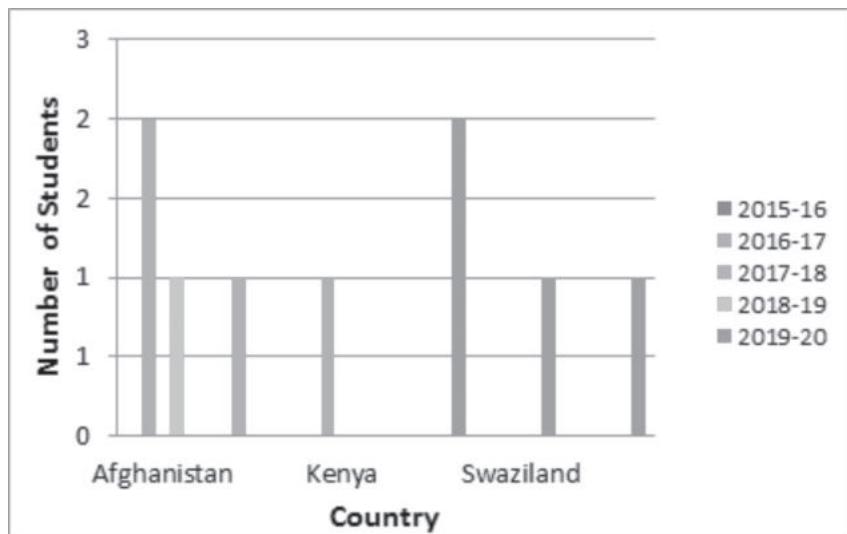
The Centre for International Cooperation is the nodal agency in the University to administer and coordinate all matters relating to international cooperation and admission of foreign students. The Centre oversees and coordinates the admission of foreign students to postgraduate and research programmes of the university, international exchange of faculty and administrative/technical staff, academic cooperation with foreign institutions/industries, formulation and execution of Memoranda of Cooperation between the University and institutions abroad, student exchanges, international collaborative research, visits of foreign delegations to the University/visits of the University delegations abroad. The students from various countries like Afghanistan, Nigeria, Kenya, Uganda, Swaziland and Sri Lanka have been enrolled for various programmes of the University. Name of the Head of the Centre / Cell / Section: Dr. Joshith VP

The activity of the Centre mainly involved the facilitation of the admission of foreign students in the university. It co-ordinated with the various departments of the university in scrutinizing the

eligibility of the applications received. The Centre also co-ordinated with Indian Council for Cultural Relations (ICCR) which offered Scholarships to foreign students to pursue their studies in Central University of Kerala. Four foreign students were admitted during the period 2019-20 who received scholarships from ICCR. This included one student each from Sri Lanka and Swaziland and two students from Uganda. The Centre co-ordinated the travel logistics of these students from airport to CUK campus, the admission procedure in the respective departments as well as hostel, registration and updation of the student details in Foreigners Regional Registration Office (FRRO), periodic entry/updation of academic performance details of admitted students in Foreign Students Information System and updation of entry/exit details of students in FRRO portal. The Centre also aided in registration of students in foreigners' regional registration office for obtaining residential permit. It also addressed the various needs and grievances of foreign students during their stay in the campus.

### Analytical data of the Centre

	Afghanistan	Nigeria	Kenya	Uganda	Swaziland	Sri Lanka
2015-16	0	0	0	0	0	0
2016-17	2	1	1	0	0	0
2017-18	0	0	0	0	0	0
2018-19	1	0	0	0	0	0
2019-20	0	0	0	2	1	1



## Ek Bharath Shreshtha Bharath (EBSB) Youth Exchange

The idea of a sustained and structured cultural connect between denizens of different regions was mooted by Prime Minister Shri Narendra Modi during the RashtriyaEkta Divas held on 31st October, 2015, to commemorate the birth anniversary of Sardar Vallabhbhai Patel. Hon'ble Prime Minister propounded that cultural diversity is a joy that ought to be celebrated through mutual interaction & reciprocity between people of different States and UTs so that a common spirit of understanding resonates throughout the country.

Kerala was paired with Himachal Pradesh since 2018. CUK started conducting various programmes since then under the banner of EBSB. Student Youth Exchange Programme between the selected students of CUK and CUHP during the academic year 2019–2010 was a tremendous success.

Name of the Head of the Centre / Cell / Section: Dr. EFTHIKAR AHAMED B.

Brief summary of the activities carried out by the Centre / Cell / Section:

### CUHP Visit of Kerala

Central University of Himachal Pradesh (CUHP) Contingent of 20 men and 11 women from Himachal Pradesh visited Kerala and participated in many activities from 04.02.2020 to 8.02.2020. Central University of Kerala organized this programme in co-ordination with its counterpart in Himachal Pradesh. The contingent arrived early morning at Kanhangad on 4<sup>th</sup> February 2020 and was housed at the University hostels: Nila and Periyar, Periyar. They performed various cultural events of Himachal Pradesh in CUK Campus and visited many socio-cultural places of Kasaragod.

### CUK Visit of Himachal Pradesh

Central University of Kerala student Contingent of 18 men and 32 women, accompanied by Dr. Ethikar Ahamed B. and Dr. Asha S. visited Central University of Himachal Pradesh and participated in many activities from 05.03.2020 to 8.03.2020.

The contingent started the journey on 02.03.2020,

which was flagged-off by Prof. Dr. G. Gopa Kumar, the Hon. VC from CUK Periy Campus to Kasaragod Railway Station and arrived early morning at CUHP Dharmashala Campus on 5<sup>th</sup> March 2020. The team had a short stop-over of 8 hours at Kerala House, New Delhi, before catching the train to Pathankot.

The Contingent was given a warm traditional Himalayan-style welcome by the team of Prof. Dr. Prof. (Dr.) Kuldip Chand Agnihotri, the Hon. VC of CUHP and students along with the faculty and staff members at the Dharamshala College Auditorium. The inaugural address was delivered by the Hon VC of CUHP. Prof. H. R. Sharma (PVC), and Dr. B.C. Chouhan (the CUHP EBSB Nodal officer) Dr. Efthikar Ahamed (CUK EBSB Youth Exchange Nodal Officer) felicitated the function. Various Cultural art forms of Kerala were performed by the students of Kerala following this.

On 6<sup>th</sup> March 2020, the Contingent Visited Himachal Pradesh Agriculture University Campus at Palampur and had a first-hand knowledge about the various agricultural methods and research activities used in the HP crops and fruits. They visited Shobha Singh Art Gallery, and Pottery House after the lunch. The

Tea Gardens of Palampur was the next destination, followed by an exploration of Local Market at Dharamshala.

On 7<sup>th</sup> March, an Interaction was with the Dharamshala Rural Mountain Community was held. The students were able to understand the social, cultural and ecological aspects of the Community. In the afternoon, the students visited Mc-LeodGanj, a high peak in HP followed by St. John in the Wilderness Church, a place of historical importance at Dharamshala. In the evening, the team paid a visit to the Dalai Lama Temple and McLeod Ganj Market.

On 8<sup>th</sup> March 2020, the team visited the Cricket Stadium at Dharamshala and Kangra Fort. They reached the Boys' Hostel of CUHP in the afternoon where an Interaction with CUHP students was arranged. After sharing the experiences and giving the feedback, the Contingent moved to Pathankot at 4.30 pm to catch the return train. The team reached back at 3.30 am on 12.03.2010 at Kanhangad Railway Station.

## **Grievance Redressal committee for Non-Teaching Staffs**

The Grievance Committee has not received any petition or grievance for the period between 1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020 from any of the Non-

Teaching Staff. Hence no meeting could be held for the aforesaid period concerning redressal of Non-Teaching Staffs grievances.

## **Innovation Council**

The activities of the Innovation club were merged with that of the newly constituted Institution's innovation Council as per the directives of the MHRD's Innovation cell. The main mandate of the council is to encourage and provide necessary support to the students and staff of the University to inculcate the culture of innovative thinking and entrepreneurship.

Name of the Head of the Centre / Cell / Section:

Chairman: Prof. G. Gopa Kumar

Convener: Dr. V.B. Sameer Kumar

Brief summary of the activities carried out by the Centre / Cell / Section:

The IIC of CUK had conducted Avishkar 2019 and innovation fest in 2019. The best innovations from

these innovation competitions were presented at the Mentoring & Orientation sessions for IICs on 7<sup>th</sup> of August 2019. The three projects presents at the session were

NuTide hue Reagent: Dr. Sharath S. Shankar et al.

eNOSE: Ms. Anju Joseph

Micronucleus test in drosophila: Ms. Shilpa O.

Biodegradable plastic: Ms. Aswathi Mohan

All the projects were well acclaimed by the evaluators.

Four of the faculty members attended the innovation ambassador training program organized by the MHRD's Innovation cell at Bangalore.

# Internal Complaints Committee (ICC)

ICC constituted in CUK to address all complaints of sexual harassment at workplace as per "Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013" or PoSH Act (2013) and "University Grants Regulation (UGC) Regulations, 2015 on Prevention, Prohibition and Redressal of Sexual Harassment of Women Employees and Students in Women Employees and Students in Higher Educational Institutions".

Name of the Head of the Committee: Dr. R. Aswati Nair, Presiding Officer

Staff Details: Other ICC members:

Dr. Shaini P (Assistant Professor) Member

Dr. Josith (Assistant Professor) Member

Mr. Biju P (Section Officer) Member

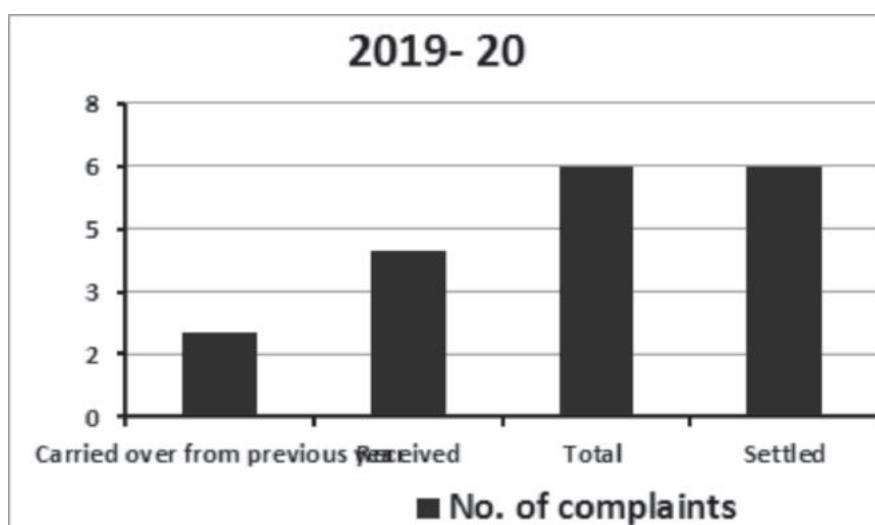
Smt. Bindu Pradeep (UDC) Member  
Ms. Akhila KP (PhD Representative) Member  
Ms. Sharanya Rai (NGO Representative) Member  
Dr. Thasleema TM (Assistant Professor) Member  
Secretary

Brief summary of the activities carried out by the Committee:

- Conduct of inquiry of complaints received at ICC and submission of reports to Employer within the requisite time frame.

- Awareness amongst staff and students

## Analytical data of the committee



# International Linkage Committee

The International linkage committee (ILC) consisted of 10 faculty members were constituted in order to formalize the link of CUK with foreign Universities and Institutions.

Name of the Head of the Centre / Cell / Section: Dr. A. Manickavelu

Brief summary of the activities carried out by the Centre/Cell/Section:

Department of Genomic Science has organized an International expert talk by Dr. Ayumi Kosaka, Kyoto University was organized on 8<sup>th</sup> November, 2019.

Dept. of Public Health and Community Medicine has organized an international conference collaborating

with Brunel University London, UK. On part of the meeting an international collaborative discussion was held with dignitaries of Central University of Kerala and Brunel University London, UK. The decision was made to start the collaborative works immediately and apply grants together.

The international collaboration with Maldives National University, Maldives and Patrozovadsk State University, and Karelian Institute (Russian Academy of Science) proposed by faculties were placed in front of the committee and discussed the possibility of going MoU.

# IPR Cell

Academic and Research Institutions are concerned with successfully managing projects and research initiatives and the protection of their IP Rights which will benefit all stake holders. Central University of Kerala is one among the potent universities of India which holds the ability to establish the link between the Government and inventive minds of University. The University would hold the sole right to protect the inventions by the young researchers for their future novel ventures.

Name of the Head of the Centre / Cell / Section: Prof.(Dr.) MuthukumarMuthuchamy

Staff Details:

Prof.(Dr.) MuthukumarMuthuchamy, Head,Dept. of

Environmental Science - Chairman

Prof. (Dr.) Vincent Mathew, Professor,Dept. of Physics - Member

Dr. A.K. Mohan, Associate Professor and Head,Dept. of Social Work- Member

Dr. T.J. Joseph, Assistant Professor,Dept. of Economics- Member

Dr. RishiramRamanan, Assistant Professor,Dept. of Environmental Science- Member

Brief summary of the activities carried out by the Centre / Cell / Section:

The IPR committee met and drafted the IPR Policy 2019, which has been submitted to the Authorities for the approval.

# National Service Scheme

The National Service Scheme Cell of the Central University of Kerala is a major auxiliary unit of the university providing nation building services and extension activities. The NSS recruits, trains and motivates the youth of the institution for the cause of humanity and promotion of environmental protection. The Cell has three active units headed by Dr. EfthikarAhamed B., the Coordinator. Dr. Shaini P., Dr. Pratheesh and Dr. Anbazhagi are the Programme Officers of the Units, and more than 300 students have enrolled as volunteers. They actively participate in numerous programmes like the Youth Camp, Campus Cleaning, National Awareness, Health Awareness Exhibitions, Community Outreach, Human Rights Awareness, etc. The NSS team is very active both inside the CUK and outside the campus. They are also involved in novel social awareness activities and provide dynamism to the youth. Their activities strengthen societal services in a constructive manner.

Name of the Head of the Centre / Cell / Section: Dr. EFTHIKAR AHAMED B.

Staff Details: Dr. Shaini P., Dr. Pratheesh and Dr. Anbazhagi

Brief summary of the activities carried out by the Centre / Cell / Section:

NSS Cell kick-started its activities of the academic year 2019 to 2020 on 10th July, 2010 with the planting of 2000 saplings in the campus as the Second Phase of the Green Drive of CUK, 2000 Saplings donated by the Kerala Forest Department in collaboration with the Dept. of Plant Science.

The newly enrolled volunteers were given the NSS

Orientation class on 31<sup>st</sup> July, 2019 by Dr. EfthikarAhamed, the Cell Coordinator. Various activities to be taken up by the Units were briefed by the Programme Officers.

Along with the routine regular activities, the NSS Cell extended help by providing 100 Food Kits contributed by the staff and students to the Flood Hit areas of Neeleshwar on 17<sup>th</sup> Aug, 2019.

The Cell extended a helping hand to clean Valiyaparamba, a worst flood hit area near Neeleshwar, by offering a Shramadan, in collaboration with the GramaPanchayath on 26th August 2019.

NSS Unit 2, in collaboration with HarithaKeralam Mission, Kasaragod conducted a Used Pen Collection Drive on 25th September 2019. The collected Used Pens were handed over to the Mission and 1000 fountain pens, sponsored by the University Branch of Canara Bank, were distributed.

NSS Unit 2 organised a One Day Basic First Aid Training Skills in collaboration with St. John Ambulance on October 6<sup>th</sup>, 2019 for its volunteers.

The Mathrubhumi Speak for India Kerala Edition 2019 Competition of Kasaragod Region was hosted by NSS Cell in CUK on October 22, 2019.

NSS Unit 3 in collaboration with Blood Bank, General Hospital, Kasaragod and HealthCenter of CUK organized a Blood Donation Camp on 23rd October, 2019. 80 bottles of blood were donated by the students in this programme.

Highlighting the importance of creating an awareness among the students about the dire need of Gandhiji and relevance of Gandhian thoughts in the present hour, the National Service Scheme Cell

attached to the Central University of Kerala (CUK) organized a 5 Day Gandhi DarsanYatra across Kerala, from Periyar Campus to Thiruvananthapuram from 28<sup>th</sup> September to 2<sup>nd</sup> October 2019 as part of the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi. 50 selected NSS Volunteers got a rare opportunity to visit many places

in Kerala where Gandhiji visited as part of his independence struggle.

The 3 Units of the NSS Cell conducted their 7 Day Special Camp at Snehathireram, the Old Age Home at Kanhagad.

## SC/ST Cell

As per the instruction from the University Grants commission, the SC-ST Cell was constituted in the Central University of Kerala in the year 2014 in order to process the grievances of the members belong to the SC/ST category in the University as under:-

### SC/ST Standing Committee:

The Vice Chancellorm, Chairman

Dr. SenthilKumaranPeriyasamy, Liaison Officer

All the Deans of School/ Heads of the Departments, Members

Dr. Ranjith N Kumavath, Asst.Professor, Genomic Science, Member Secretary

### SC/ST CELL

Dr. Anish Kumar T.K, Assistant Director ( Official Language), Co-ordinator

Dr. Thennarasu. S, Assistant Professor, Linguistics, Member

Dr. Jeyabalansangeetha, Assistant Professor, EVS, Member

Dr.ChitraManisseri, Assistant Professor, Plant Science, Member

Shri. Prasanth. K, Assistant, Member

Shri. Sunil.S, UDC, Member

As per direction of Govt of India, the UGC at its 535<sup>th</sup> meeting held on 27<sup>th</sup> September,2018 resolved to establish a SC/ST Cell in Central University of Kerala to comply the instructions of DoPT for setting up of Special Reservation Cell. The existing staff in the SC/ST Cell as given below:

Shri. P.Gopalakrishnan, Assistant Registrar

Shri. K. Ravi, Section Officer

Shri. Sunil.S, UDC

Students and Employees belonging to SC/ST can approach the Cell for redressal of any of their grievancespertaining to academic, administrative or social problems

### ONLINE GRIEVANCE FORM

A complaint registration page for SC/ST has been developed and linked to the website of the University. When any student submits a complaint in the form, an

e-mail comes directly to the email of the Registrar, which will contain contact details as well as complaint details of the concerned complainant.

### Complaint status 2019-20

During the period one complaint from PhD Scholar has been received by the SC/ST Cell and the enquiry conducted and report submitted.

### The main functions of the SC/ST Cell are as under:-

1. To furnish the information on annual basis regarding course-wise admission to candidates belonging to the reserved categories in the Universities for different course, in forms prescribed, by a stipulated date, and to take follow up action, where required.
2. To furnish information in respect of appointment, training of these communities in teaching and non-teaching posts in the University and take follow up action where required.
3. To furnish various information on the various aspects of education, training and employment of Scheduled Castes and Scheduled Tribes candidates, for evolving new policies or modifying existing policy by the Commission.
4. To prepare reports and digests for onward transmission to the Ministry of Human Resource Development/ University Grants Commission and such other authorities as may be required.
5. To deal with representations received from Scheduled Castes and Scheduled Tribes candidates regarding their admission, recruitment, promotion and other similar matters in Universities/Colleges.
6. To monitor the working of the remedial coaching scheme, if approved in the University.
7. To function as Grievances Redressal Cell for the Grievances of SC/ST students and employees of the University and render them necessary help in solving their academic as well as administrative problems.
8. To maintain a register for employment of SC/ST of SCs/STs in the University and Colleges for the candidates belonging to SC/ST communities for various posts in the University/Colleges.

Any other work assigned from time to time to

promote higher education among these to education deprivations. communities suffering economic, social and

## Sports

The Central University organized a number of sports events in the University in 2019-2020 academic year. The sports calendar of 2019-2020 started with inter School Kabaddi (women) tournament followed by the Men's Kabaddi tournament. Subsequently, we conducted inter school badminton (boys and girls), Inter school Football (Boys), Interschool cricket (boys), Interschool Table tennis (Boys, Girls and staff), and boxing tournaments.

After the interschool tournaments, players were selected for the South zone events and were given training before the south zone events CUK students participated in South zone kabaddi (Boys and Girls), South zone cricket, South zone football, sout zone badminton (Boys and Girls) and TT tournaments. CUK boxing team has participated in All India boxing and our player Mr Bilab Ibn reached in the last 16 in Mens' category.

Sports events witnessed a great support from sports loving students and staff, more than 200 spectators in all events conducted.

### Football

#### Interschool Football Tournament

Interschool Football Tournament was conducted on 14<sup>th</sup> to 15<sup>th</sup> October 2019 at JNV Periyar ground. For this tournament 8 teams have registered. The final match was played by School of Earth Sciences & Business v/s School of Languages. The loser's final was played by School of Medicine v/s School of Physical Sciences. School of Earth Science & Business secured the 1<sup>st</sup> position, School of languages secured the 2<sup>nd</sup> position and School of Medicine secured the 3<sup>rd</sup> position. From this tournament 30 players were selected for the South Zone Camp. The matches were officiated by 3 referees from Kerala Football Association.

Winners of Interschool Football Tournament 2019-2020 - School of Earth Science & Business

#### All India Inter University South Zone Football Championship

The players for this championship were selected by conducting one-month training camp. From 30 students selected for the camp 18 players were shortlisted for the CUK Football team by the coach Mr. Rajesh, an official referee under Kerala Football association. The players also got a chance to practice under Mr. Ganesh, who is a coach of Ezhimal Naval Academy, Kannur. Dr. Ravi Kumar, Asst Professor, Chemistry acted as the team manager. The All India

Inter University South Zone Football Championship 2019 -2020 was held at Vellore Institute of Technology, Vellore, Tamil Nadu from 9<sup>th</sup> December to 16<sup>th</sup> December 2019.

Central University of Kerala Football team won the 1<sup>st</sup> match on 9<sup>th</sup> December 2019 against Karnataka University, Dharwad. The second match we lost to Mangalore University.

CUK Football team along with Team manager and Head coach.

#### All India Inter College 11's Football Tournament - VIDYUT CUP 2020

The VIDYUT CUP 2020 was organized by Amritha Vishwa Vidyapeetham, Kollam. The CUK Football team along with PhD Scholars – Abubakar Gado, Johnathan Nsamba and Shijin TV participated in this tournament. The CUK football team won 3 matches in a good goal margins and qualified upto the **Semifinals**, which is a great achievement.

CUK Football team with Head coach at VIDYUT CUP 2020

### Cricket

#### Inter- School Cricket Tournament 2019-2020

The Inter-School Cricket Tournament was conducted on 23<sup>rd</sup> and 25th of September 2019 at Jawahar Navodaya Vidyalaya ground. 8 schools participated for the tournament, which were school of Social Science, Biological science, Physical science, Languages, Economics, Earth science, Medicine and Global studies.

School of Physical Sciences won the tournament title defeating school of earth sciences in the finals. Matches were officiated by Mr Sreehari and Mr Arshak.

The team selected from interschool tournament was given training for 45 days and the team participated in South zone interschool Cricket tournament. Dr RishiRam Ramanan (EVS) acted as the team manager and Dr Gurushankara (Zoology) accompanied the team for south zone matches.

CoE and DSW inaugurating the interschool cricket tournament

CUK team for south zone with Dr Gurushankara

### Boxing

#### All India Boxing

All India Inter university Boxing championship 2019-

2020 held at ch. charan singh university, Meerut, Uttar pradesh during December 20, 2019 to january 02, 2020. Four CUK students Bilal Ibn Ashraf (Msc Geology) Abdul Rashid (MSW) Abdul Nasir K (MSW) and Vishnu M (MSW) participated in this event in various category, after one month of training under coach Mr. Rajan. Among these players Vishnu won one match and Bilal won 4 matches and reached pre-quarter finals.

### **Badminton**

Inter School tournaments were conducted in August and September 2019. All schools participated in the matches in both category.

Winners (Men, singles): First - Mr. Ranjith Dungdung (biological Sciences) , Runners up – Mr. Nitheesh (Physical Sciences)

Winners (women, singles): First - Sreelakshmy (Social Sciences), Runners up – Meera Ramachandran (Physical Sciences)

Doubles (women): Winners Meera and Annette (Physical Sciences) and Runners Up : Preeti and Sneha (Earth Sciences)

Doubles (Men): Winners- Abhjay and Aromal (global studies) and Runners up – Nitheesh and Vishnu (Physical Sciences).

The teams participated in South zone inter University tournaments, after one month training at CUK.

### **Kabaddi**

Interschool kabaddi tournaments were conducted for Boys and Girls. The team selected for south zone tournaments were trained by Mr Sunil,

Women's team During south zone match

Team with team manager Dr Sijin Kumar

### **Fit India Movement**

Based on the direction from MHRD, Govt. of India Fit

India Movement campaign was planned at Central University of Kerala. The plan of campaign and the inauguration flyer was designed as follows and circulated to all the stakeholders.

The inauguration was held on 29<sup>th</sup> August, 2019 at Sabarmati Hall of the University. The program started with the live telecast of Hon'ble Prime Minister's inauguration speech. Around 300 students plus teaching and non-teaching staff attended the program. After completing the formal inauguration, the members were divided into three groups to take part in three different campaign of Walkathon, Mini-marathon and Yoga practices. The distance covered for first two items was around 2 KM which make the complete circle of our University.

As planned in the meeting, the institutional fitness plan was finalized with the help of sports and Yoga department coordinators and started to implement.

### **CUK Sports Club (URJA)**

Inauguration of Sports Club was done on 22<sup>nd</sup> October 2019. The Sports Club of CUK was named as "**URJA**" which meaning "ENERGY" to propel sports activities inside the campus and encourage the youth to involve in sports and games and thereby improve their fitness level. The club will be headed by the student sports secretary under the sport coordinator, with members from each School.

The Sports Club – "**URJA**" was inaugurated by Prof. DR. G. Gopakumar (Hon. Vice Chancellor, CUK). Dr. K. Jayaprasad (Hon. Pro.VC), Dr. Radakrishnan Nair (Hon. Registrar), Dr. A Manikavelu (DSW) and Dr. E. Prasad (Sports Coordinator) were also present. We have also organized a Logo Designing competition for the Sports Club, and Siddani Lokeswara Gowri Sai & Naimish Kumar Meher won the best logo award.

CUK sports club inauguration and prize distribution

Best logo selected for the CUK sports club URJA

## **Student Discipline Committee**

The student discipline committee is overseeing the complaints against the students who has not follow the campus and hostel rules and regulation.

Name of the Head of the Centre / Cell / Section: Chairman – Prof. (Dr.). K. Jayaprasad; Convener – Dr. A. Manickavelu

Brief Summary of the activities carried out by the

Centre / Cell / Section:

The student discipline committee has received one complaint. Based on the gravity of compliant, the committee recommended the disciplinary action of suspension with pending enquiry. After receiving the report, the committee recommended the dismissal of student from academic role.

# Swachh Bharath Abhiyan

The Swachhta Pakhwada 2019 was observed in CUK in a befitting manner under the Swachh Bharath Abhiyan committee with the following members

Prof.(Dr.) K. P. Suresh, Chairman

Prof. Muthukumar Muthuchamy, Member

Dr. Arun Kumar, Member

Dr. Efthikar Ahamed, Member

Dr. Palanirajan, Member

Dr. Elezebeth Mathews, Member

Dr. Thiyagu, Member

Dr. SoujanyaSree, Member

Mrs. Parvathy P.Chandran, Member

Dr. Ramachandran Kotharambath, Convenor

The details of day-wise activities conducted in this behalf are given below:

## Inauguration. October 2, 2019

The 150th birthday of the Father of the Nation was observed by taking a massive oath taking ceremony. The Swachhta Pledge was delivered by the Hon'ble Vice Chancellor, Prof. G. Gopakumar, in which all the student community, research scholars, faculty members and non-teaching staff participated. This was followed by campus cleaning in and around the Multipurpose Hall. Later in the evening, a music album was performed by the music club of the university with the central theme Swachhta in Society. A dance program was arranged with the same message. Also, members from a tribal ward named Urulamkod were honoured in the inaugural session by giving them eco-friendly cloth bags and paper pens.

## Short Film Making Competition

The competition was open for the UG and PG students of CUK from 2nd October, 2019 to 14th October, 2019. The topic was 'Plastic Free Campus'. On 14th October, 2019, three groups registered their short film for screening. These three films were screened on 14th October, 2019 to the students and staff of CUK. At the same time the short films were also evaluated by the judges, Dr. K. Sudha, Dr. S. Thennarasu and Dr. V. Raghavan, faculty members from CUK. The judges appreciated all the three short films and awards were disbursed accordingly. The short films were screened in the valedictory function also.

## National Level Essay Writing Competition

The Essay competition was open to the UG and PG students within India from 2nd October, 2019 to 21st October, 2019. The topic was 'My India, Plastic Free India: Innovative Strategies for Sustainable Alternatives'. The mode of submission of the essays was online. A total of 18 essays were received from different parts of the country. The essays were judged by Dr. K. Sudha, Dr. P. Supriya, faculty members from CUK and Dr. R. Borlikar from IGNTU, Amarkantak. The essays were also analyzed for plagiarism check using Urkund software by the University. Due to the low turn out of the eligible essays at the national level, the SBA Committee decided to award consolation prizes only to the top three eligible essays carrying a cash award of Rs. 5000 each. The prizes were awarded during the valedictory function.

## Hospital Sanitation

Central University of Kerala conducted cleaning campaign and facility survey at Taluk hospital Nileshwar as a part of Swachhta Pakhwada celebration. The campaign was flagged off by Prof. K.P.Jayaraj (Municipal chairman Nileshwar). In his flag-off speech he mentioned that the essence of social service is empathy and added that all the public health students should make this as their motto. Ms. Jayalakshmi Rajeev (Assistant professor, Department of Public Health) welcomed the gathering at a function presided over by Prof.(Dr.) K.P. Suresh, chairman, SBA, CUK. The function was blessed with the presence of eminent personalities from Central University of Kerala and Taluk hospital Nileshwar.

## Medical Camp

A free medical camp was organized in the 15<sup>th</sup> Ward of Uduma Grama Panchayath, Kasaragod district. This camp was conducted on 12<sup>th</sup> October, 2019 by the Swachh Bharat Abhiyan Committee, CUK in association with Department of Public Health and Community Medicine. The University Health Centre also participated in the programme. The cooperation of Uduma Grama Panchayath, Govt. Fisheries L P School, Bekal were also actively involved in the programme.

The medical team led by Dr. Kannan A.S, Physician, University Health Centre, CUK offered services such as medical consultation, supply of medicines and assessment of blood sugar as well as BP. A total of

120 patients attended the camp in the age group of 1 to 72 years.

Health awareness sessions on lifestyle, communicable diseases and personal hygiene were imparted by the PG students of Public Health Department.

#### Street Play

On the central theme of 'Plastic Free India', the students of the University staged street play at Periya and Kanhangad towns and in the University campus. The programme was well appreciated by the public, students, teachers and the non teaching staff of the University. This programme got wide coverage in the news papers and in the visual media and social media. Prof. Suresh K. P., Prof. Muthukumar Muthuchamy, Dr. Parvathy Chandran and Dr. Ramachandran Kotharambath coordinated the events.

#### Sensitisation of Single-Use Plastics

A sensitisation program was conducted at G.H.S.S, Ravaneshwar on 14.10.2019 for the high school and Plus Two students. More than 300 students participated in the event. Prof. Suresh K. P., Prof. Muthukumar Muthuchamy and Dr. Ramachandran Kotharambath delivered classes and interacted with the students and teachers.

#### Mime Competition

A mime competition was conducted inside the open air auditorium, based on the theme of plastic pollution. Dr. Thyagu K. Coordinated the competition. The Award winning teams were duly honoured by the Hon'ble Vice Chancellor in the valedictory function

#### Campus Cleaning

The various teaching blocks and hostels were cleansed by the volunteers. Dr A. K. Mohan, Dr. K. Arunkumar and Dr. Sowjanya Sree coordinated the cleaning drive.

#### Swachatha Pakhwada 2020

January-February, 2020

#### Programs conducted:

##### Swachhta Pledge

Swachhta Pakhwada 2020 was formally launched in the University with a mass oath taking ceremony on Swachhta Pledge delivered by Prof.(Dr.) G. Gopakumar, Hon'ble Vice Chancellor, on 16<sup>th</sup> January 2020. The whole CUK community-the students, teachers, and the non teaching staff took the Swachhta Pledge as part of their lifestyle itself.

#### Slogan writing competition in English

Dr. Sowjanya Sree coordinated the competition on slogan writing in English on the theme- 'Forest conservation'. This programme was well appreciated by the student community, as evidenced by the participation of 67 students.. The submitted slogans were judged by three judges from different disciplines of Central University of Kerala on 30th January, 2020. The judges were: Dr. Sijin Kumar AV, Dept. of Geology; Dr. Chithra Manisseri, Dept. of Plant Science and Dr. Thennarasu Sakkam, Dept. of Linguistics were the juries to assess the performance in the competition-slogan writing. The following slogans bagged the first ,second and third prize respectively.

1)'Don't let the forest rot

Because of the things you bought

Don't let the future be in solitude

Because of your attitude'

2)'In the calculus of life, add a tree and subtract global warming

Multiply forest and divide pollution'

3)'Keep planets lungs healthy

Ensure future days wealthy'

#### Elocution competition

Dr. Palanirajan G, Dept. of Linguistics coordinated the Elocution competition in English On 28th January, 2020. The following students bagged the first, second, and third prize respectively.

I Price- Lucky Dash, Dept. of Zoology, II MSc; II Price - Subham Tripathy, Dept. of IR, II MA; III Price - Rakesh Chitkela, Dept of IR, IMA

Surveying of the campus geography for the conservation of water

Prof. Muthukumar Muthuchamy coordinated the surveying of the campus geography for the conservation of water on 29.01.2020. The expert team comprising Mr. Sunilkumar Singh, PETI (NGO) from Dhanbad, Bihar and Dr. Prince Godson, Dept. of Environmental Science, University of Kerala, and Dr. Krishnakumar, Dept. of Geology, University of Madras had identified and suggested measures to be adopted for the conservation of rain water in the campus.

#### Installation of SBA garbage bins.

Large garbage bin sets bearing the names Swachh Bharath Abhiyan were installed at various points in the CUK campus and the Government High School

,Periya.

#### Planting Saplings

Tree saplings were planted on either side of the campus road in front of Nila Hostel on 11.02.2020. The planting of trees was formally inaugurated by the Hon'ble Vice-Chancellor in which all the statutory officers like the PVC, the Registrar also planted sapling trees.

#### Campus Cleaning Drive

The campus premises, the hostel premises and the Periya town were cleansed by the active involvement

of CUK students under the leadership of Prof.Arunkumar, Dr.Jasmine Sha, Dr. SowjanyaSree and Dr.Ramacahndran Kotharambath.

#### Valedictory Function

The valedictory function was held on 12<sup>th</sup> Feb 2020.The Hon'ble Vice Chancellor Prof. Gopakumar delivered the valedictory address at a function presided over by Prof. (Dr.) K P Suresh ,Chairman SBA Committee.

The Vice Chancellor distributed certificates and cash awards to the winners in the different competition held in connection with the celebration of Swachhta Pakhwada- 2020.

## Unnat Bharat Abhiyan

Coordinator : Dr. Mohan A K

Unnat Bharat Abhiyan envisions to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. The project aims at creating a link between society and inclusive academic systems and thus cater to the developmental needs of rural India.

1. Central University of Kerala adopted five villages in and around the university surroundings viz.
  - a) Malathumpara Pullur,
  - b) Koraga colony of Perdala, Badiyadka Pamchayat
  - c) Bekal 15th ward Uduma,
  - d) Mission Colony Pallikere and
  - e) Beach Ward 16 Ajanoor.
2. The basic village survey and household survey was completed in all five villages and the same data has been uploaded to the UBA portal.
3. Unnat Bharat Abhiyan extension activities/Community program report - Kandal polima on 25th February 2020 No of participants: 92

As part of Unnat Bharat Abhiyan, with the help of MSW trainees Muneera K. and Rajeswari C.E organized Kandla polima (mangrove) activity at Ajanur Grama panchayat. During the village visit the need of mangrove cultivation, have been identified. This is one of the felt need of the community as it is

expressed by the people. As the village is a coastal village, it is affected and prone to flood in the rainy season. A small river called 'Chittari' is also connected to the village. In order to prevent soil erosion due to flood, it is decided to plant mangroves on the bank of the river. Participatory approach was adopted to plan and execute the need based programme. The programme was collaborated with Kannur Kandal project for sapling and technical help was taken with the partnership of wildlife trust of India. The other stake holders of the programme was panchayat authorities, Community Development Society (CDS members), MGNREG workers, youth club members and community people.

Beach cleaning programme : On the occasion of 150th birthday of Mahatma Gandhi, on October 2nd 2019 beach cleaning was done in kadappura beach of Ajanur Panchayat in collaboration with NSS unit of Iqbal Higher Secondary School, MGNREG and Ajanur Panchayat. All the participants actively involved in beach cleaning and collected the plastic materials and given to the plastic waste collection unit of the panchayat.

Blood donation camp: Blood donation camp was organized in collaboration with Indian Red Cross Society Kasargod, blood bank unit of government taluk hospital Kasargod, NSS units of Government College Kasargod and the Department of Social Work, Central University of Kerala. 50 units of blood from the college students have been collected for the benefit of the people who are in need.



**केरल केन्द्रीय विश्वविद्यालय**  
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