



The Kerala State Higher Education Council

Orientation Programme
for the Awardees and Mentors of the

**CHIEF MINISTER'S
NAVAKERALA POST
DOCTORAL FELLOWSHIP
(CMNPF) 2022-23**

(Mode II, Batch II)

DIRECTORY OF RESEARCHERS

- • **30-31 January 2024**
- • **Venue:** Seminar Hall, C V Raman Block,
- • CSIR - National Institute For Interdisciplinary
- • Science and Technology (NIIST),
- • Thiruvananthapuram

Orientation Programme
for the Awardees and Mentors of the

**CHIEF MINISTER'S NAVAKERALA
POST DOCTORAL FELLOWSHIPS
(CMNPF) 2022-23
(Mode-II, Batch-II)
DIRECTORY OF RESEARCHERS**

On

30th & 31st January 2024

At

CSIR-National Institute for Interdisciplinary Science and
Technology (NIIST),
Industrial Estate P.O., Pappanamcode,
Thiruvananthapuram



THE KERALA STATE HIGHER EDUCATION COUNCIL

Thiruvananthapuram

The Kerala State Higher Education Council
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for the Awardees and Mentors of the
Chief Minister's Navakerala Post Doctoral fellowship
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Directory of Researchers

Documentation Division
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Resource Persons

- **Prof. Raghavendra Gadagkar**, Honorary Professor and DST Year of Science Chair Professor, IISc, Bangalore

Year of Science Chair Professor at the Centre for Ecological Sciences, Indian Institute of Science, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Honorary Professor, Indian Institute of Science Education and Research, Mohali, and Non-Resident Permanent Fellow of the Wissenschaftskolleg (Institute for Advanced Study) in Berlin. He has published over 300 research papers and articles and two books. His book entitled *Survival Strategies* (Harvard University Press, USA, 1997 and Universities Press, Hyderabad, 1998, since translated into Chinese and Korean), explains recent advances in behavioural ecology and sociobiology to a general audience. His recent book “How to Design Experiments in Animal Behaviour: Cutting-Edge Research at Trifling Cost” was serialized in *Resonance-journal of science education* and has now been published by the IISc.

- **Dr. C. Anandharamakrishnan**, Director, CSIR-NIIST, Thiruvananthapuram

An active researcher with more than two decades of experience in research and administration. His research endeavours are well documented in the form of 210+ impact factor publications with an average impact factor of 6.225, three International patents, nine Indian patents, one commercialized patent and eight patents applied for registration. He is also the author and editor of 13 books and 101 book chapters published by coveted publishers. He has supervised 17 Ph.D. theses and more than 50 bachelor's and master's theses. Dr. Anandharamakrishnan is the elected Fellow of National Academy of Sciences (FNASc), Fellow of National Academy of Agricultural Sciences (NAAS), Fellow of Royal Society of Chemistry (FRSC), Fellow of FRSB etc.

- **Prof. D. Narayana**, Advisor and Professor of Eminence , MS Ramaiah University, Bangalore

Former Director of Gulati Institute of Finance and Taxation (GIFT). He held the Reserve Bank of India (RBI) Chair at Centre for Development Studies (CDS). He was at the State Planning Board as Technical Advisor to the Board between 2013 and 2016. He was a Fulbright Fellow at Harvard Centre for Population and Development Studies, and a Visiting Professor at the Unit of International Health at University of Montreal. He led the team which prepared the report titled 'Domestic Migrant Labour in Kerala' (2013) which for the first time provided an estimate of the number of migrant labourers working in Kerala. His major book on health is 'Safeguarding the Health Sector in Times of Macroeconomic Instability: Policy Lessons for Low- and Middle-Income Countries. He is also a member of The International Institute of Migration and Development (IIMAD)

- **Prof. Rajan Gurukkal P.M.**, Vice Chairman, The Kerala State Higher Education Council (KSHEC), Thiruvananthapuram

Dr. Gurukkal is a leading Indian social scientist, historian, professor and writer. He has started his profession as a faculty of Centre for Historical Studies, JNU. He was a visiting faculty at many foreign universities. His research began with the study of the socio-economics of the Kerala temple and advanced through the study of the land system and socio-political organisation in the Tamil South. They are usually cited in South Indian Historiography. He has served as the Vice-Chancellor of Mahatma Gandhi University, Kottayam, India and Visiting Professor at the Centre for Contemporary Studies, Indian Institute of Science, Bangalore. He has written many books in Malayalam and English on the topic of Socio-economic, cultural history of Kerala, structural anthropology, historical sociology, and human ecology.

Directory of Researchers

**Chief Minister's Nava Kerala Post Doctoral Fellowship
2022-23
(2nd Batch-Mode-II)
Domain wise details**

Domain: Life Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
1	Dr. Shilpa O Midhun Nivas, Sunson Junction, Kurinhi Temple Raod, Thayineri, Payyannur Kannur - 670307 shilpaoragh@gmail.com 9400608563	04/10/2023	Dr. Anu Joseph, Associate Professor & Head, Dept. of Biotechnology, University of Calicut	University of Calicut Thenjipalam, Kozhikode, Malappuram	Genome-wide association studies (GWAS) on Autism Spectrum Disorder (ASD) in Kerala: To identify biomarkers for early diagnosis and to develop therapeutic strategies
2	Dr.Salini K Flat No:604, Travancore Towers, NAP Junction, Azad Road, Kathrikadavu, Kaloore.P.O Ernakulam-682017 salinik1@hotmail.com 8156868230	16/11/2023	Dr. Jayesh Puthumana, Assistant Professor, National Centre for Aquatic Animal Health, CUSAT	National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Lakeside Campus, Fine Arts Avenue-3, Kochi- 682016	Application of 3 dimensional culture of shrimp fusion cell line 'PmLyO-Sf9' [3D- PmLyO-Sf9] in controlling viral diseases in shrimp: Production of cell-based vaccines and Screening of anti-viral drugs and immunostimulants
3	Dr.Aiswarya U S TC 55/1537(1), Aadhavam Kalady, Karamana Thiruvananthapuram 695002 aiswaryaus920@gmail.com 9497266025	20/11/2023	Dr.Ravi Shankar, Lankalapalli, Principal Scientist at Chemical Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum	CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram	Isolation and evaluation of the anti-cancer potential of uttronin, a bioactive molecule present in <i>Solanum nigrum</i> Linn.
4	Dr. Kalaivani V Kalaivani Bhavan Kalluvettankuzhy Venganoor P O Thiruvananthapuram-695523 kvkvani@gmail.com 8848899364	25/10/2023	Dr. Abdul Jaleel, Scientist G, Division of Cardiovascular Diseases & Diabetes Biology, Rajiv Gandhi Centre for Biotechnology, Trivandrum	Division of Cardiovascular and Disease Biology, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	Elucidating the Role of Lipoprotein(a) in Impaired Angiogenesis in Placenta during Pre-eclampsia and its Impact on the Vascular Health of Women

Domain: Life Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
5	Dr. Shidhi P. R Vallamvalapil House, Korenchira P.O, Oravathur, Kizhakkencherry, Palakkad- 678684 shidhibio@gmail.com 9895484530	03/07/2023	Dr.G. Prasad, Professor and Head, Department of Zoology, University of Kerala, Kariavattom, Thiruvananthapuram	Department of Zoology, University of Kerala, Kariavattom	An Investigation into Ayurveda-Inspired Therapeutic Strategies Against Hypertension: A System-Based Approach
6	Dr.C.P.Sreena Aruvi, Manikkulathuparamba P.O.Thenhipalam Malappuram-673636 sreenacp@gmail.com 9846303568	01/08/2023	Dr.R.Dinesh, Director, Indian Institute of Spices research, Marikunnu P.O., Kozhikode	ICAR-Indian Institute of Spices Research, University of Calicut	Metagenomic insights into the bacterial community structure and functional potentials in phosphorus toxic soils of Kerala: a lead towards bioremediation strategies
7	Dr. Madayi Deepti Quarter No C6, Calicut University campus Thenhipalam Malappuram-673635 mdeepti81@gmail.com 8606072140	01/06/2023	Dr.A Yusuf, Professor, Biotechnology, Dept.of Botany, University of Calicut	Department of Botany, University of Calicut	An <i>in-silico</i> approach to predict and clone Antimicrobial Peptides from Black Pepper and its Recombinant production as promising candidates against bacterial and fungal phytopathogens.
8	Dr. Reshma V.G. Pookulangara House Villakinkaaluu via Puranattukarap.o Thrissur-680551 reshmavg09@gmail.com 8921981355	14/06/2023	Dr.Achuthan C. Raghavamenon, Associate Professor, Dept. of Biochemistry, Amala Cancer Research Centre, Thrissur	Department of Biochemistry Amala Cancer Research Centre, Amala Nagar, Thrissur	Characterization Of TamraBhasma (Copper Nano Particle Formulation) At Various Stages Of Preparation And Evaluation Of Its Effect On The Development Of Fatty Liver Diseases.
9	Dr. Vineetha V P Flat - 2A, Spaceton Grandville, Kalikulam, CMC-10,	19/06/2023	Dr.Devika Pillai, Professor & Head, Dept. of Aquatic Animal Health Management, KUFOS	Department of Aquatic Animal Health Management, Kerala University of Fisheries and	Nanoemulsion of Coriandrum sativum oil and Asparagus racemosus to improve fish health and disease resistance: an alternate

Domain: Life Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
	Cherthala P.O. Alappuzha-688524 vinnivp@gmail.com 8891682784			Ocean Studies, Kochi	strategy to reduce antibiotic use in aquaculture
10	Dr.Reshma P L Saras Nivas, TC 49/1080 AttukalManacaud PO Thiruvananthapuram 695009 reshmapnair@gmail.com 9744087940	01/08/2023	Dr.T.T. Sreelekha, Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram	Regional Cancer Centre Thiruvananthapuram	Development of Polysaccharide- Platinum-methotrexate nano system for targeted drug delivery and tumor management
11	Dr.Divya Jose Thekkekkara House Vappalassery P.O. Angamaly Ernakulam-683572 dibhara@gmail.com 9645089806	19/07/2023	Dr.Valsamma Joseph, Professor, National Centre for Aquatic Animal Health, CUSAT	National Centre for Aquatic Animal Health, Cochin University of Science And Technology, Kochi	Development, validation and commercialization of coir derived cellulose nano fibrils (CDCNF) based immobilized Pseudomonas for the treatment of fish processing waste water.
12	Dr.Anuroopa G Nadh Anupam, Edakkidam Ezhukone, Kollam-691505 anuroopasanju@gmail.com 9188311599	01/06/2023	Prof.Manoj Kumar TK, Professor & Chair, School of Digital Sciences	Digital University, Kerala	Traditional knowledge guided in-silico analysis on the protective effect of <i>Sesbania grandiflora</i> against oral ulcers
13	Dr Anoop Kumar A.N. Naduvanthar House Thirunelly temple Post Wayanad Mananthavady 670646 anoopkumar.247@gmail.com 8590320226	01/06/2023	Dr.E. Pushpalatha, Professor, Dept. of Zoology, University of Calicut	University of Calicut	A rapid, cost effective diagnostic kit for Real Time PCR based detection of malaria.
14	Dr.Anet Antony Kaliyanyil house	12/06/2023	Dr.Diya L., Associate Professor,	University of Calicut	Discovery of novel antimicrobial and anticancer peptides from amphibian skin

Domain: Life Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
	Vayattuparamba P.O. Kannur-670582 anetantoney@gmail.com 9539367972		Department of Zoology, University of Calicut		secretions
15	Dr.Swetha. M QtrTypell/I, SIB OCR Complex, Thamalam, Poojappura POSTThiruvananthapuram- 695012 swethamundanattu@gmail.com 9744393976	01/06/2023	Dr.Anil Kumar P.R., Scientist G, Division of Tissue Culture, Department of Applied Biology, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology	Sree Chitra Tirunal Institute for Medical Sciences and Technology Bio Medical Technology Wing Thiruvananthapuram	High Throughput Production of 3D microtissues for Modelling Liver diseases <i>in vitro</i>
16	Dr. Syama H.P Mekkeveedu, Choozhattukotta Malayam PO, Trivandrum-695071 syamahp@gmail.com 9846999610		Dr.T.T. Sreelekha, Associate Professor, Division of Cancer Research, Regional Cancer Centre, Trivandrum	Regional Cancer Centre, Trivandrum	The scope of an injectable galactomannan /PEG oxime click hydrogel in reconstructive tumor models and whole-cell cancer vaccine:an approach to expedite clinical translation
17	Dr.Sandrea Maureen Francis Sonsila, 39/1095, North Janatha Road Palarivattom, Ernakulam-682025 sandrea@iisertvm.ac.in 8547646997		Dr.Ramanathan Natesh, Associate Professor, ISER, Trivandrum	Indian Institute of Science Education and Research Thiruvananthapuram	Structure based drug discovery approaches targeting the transcript cleavage site of <i>Mycobacterium tuberculosis</i> RNA polymerase
18	Dr.Meera SP Moolayil House, Near Talap UP School Kannur-670002 meerasuraj@gmail.com 9387935899		Dr.Ajaykumar, Assistant Professor, Dept.of Plant Science, School of Biological Sciences, Central University of Kerala, Kasaragod	Department of Plant Science, School of Biological Sciences, Central University of Kerala, Kasaragod	Ascorbate/metal micronutrient profiling of underutilized plants of Kerala for prospecting species with bio fortification potential and transcriptional dissection of ascorbate biosynthesis and metal micronutrient homeostasis

Domain: Chemical Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
19	Dr.Muhasina P V KulathinteMeethal House VattoliBazar,Balusseri Kozhikode-673623 muhzi.rahman@gmail.com 9400913252	01/08/2023	Dr.Susmita De, Associate Professor, Dept.of Chemistry, University of Calicut, Malappuram	University of Calicut, Department of Chemistry	Biodegradation of Polyethylene terephthalate (PET) - Redesigning PET Hydrolases Using Machine Learning Approaches
20	Dr.Saisree S Nediyathu House Elampallil,Payyanalloor (PO) Pathanamthitta-690504 saisreesn@gmail.com 8129433929	07/08/2023	Dr.Achu Chandran, Senior Scientist, CSIR-NIIST, Thiruvananthapuram	CSIR – National Institute for Interdisciplinary Science and Technology (NIIST) , Trivandrum	Printed electrochemical sensors with integrated electrode system for real-time monitoring of carcinogens in processed foods
21	Dr.Vijayasree Haridas W/o Harikrishnan P V, Flat No. 3-B, Non- Management Tower, BPCL Township Vandipetta, Near to Cochin Refineries School, Vandipetta, Kuzhiyara (PO), Ernakulam Ernakulam-682312 vijayasree.sree92@gmail.com 9562067328	21/06/2023	Prof. Honey John, Hon.Director, Inter University Centre for Nanomaterials & Devices, CUSAT	Inter University Centre for Nanomaterials and Devices (IUCND), Cochin University of Science and Technology, Cochin,	Development of Low-Cost, Eco-Friendly Graphite Exfoliation Routes for High- Energy Density, Less-Defective Graphene- Based High-Power Density Supercapacitor Devices
22	Dr.Sarika S Edavila, Ooninmoodu Elakmon Po, Varkala, Thiruvananthapuram- 695310 sarikasasi1992@gmail.com 9746221178	05/06/2023	Prof.S.M.A. Shibli, Director, Centre for Renewable Energy & Materials, University of Kerala	Centre for Renewable Energy and Materials, University of Kerala, Kariavattom	Design and Fabrication of Efficient Electrodes and Related Materials for High Performance Sodium Ion Batteries and Other Energy Applications

Domain: Material Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
23	Dr. Jeethu Raveendran Thekkut House, Velupadem P O Thrissur- 680303 jeethuraveendran@gmail.com 8122283477	18/09/2023	Prof.JagadeeshBayry, IIT Palakkad	IIT Palakkad	Paper-Based Lateral Flow Assay-Based Electrochemical Sensor for The Early Diagnosis of Kidney Dysfunction by the simultaneous Detection of Creatinine and Cystatin C
24	Dr.SurjithAlancherry Kattayana H, Tharuvana Manathavady, Wayanad 670645 suriithalan@yahoo.com 7034970730	24/11/2023	Prof. Alex P James, School of Electronic Systems & Automation, Kerala University of Digital Sciences Innovation & Technology, Trivandrum	School of electronic systems and automation, Digital University, Kerala	MXene based self-powered tactile sensors for health monitoring and diagnosis
25	Dr.Hasna P P PMullamparambil House Velimukku P.O. Malappuram-676317 hasnaputhenpeediyakkal@gmail.com 7356783986	03/10/2023	Dr. Shibu E S, Assistant Professor, Dept. of Nanoscience & Technology, University of Calicut	University of Calicut	Exploration Of Ubiquitous Electrocatalysts For High Temperature Fuel Cell Applications
26	Dr. S. Krishnanunni Sreekrishna, 55/Pushpavihar, Nadathara P.O, Thrissur-680751 skrishnanunni@jecc.ac.in 9037974084	12/06/2023	Dr.Jinu Paul, Associate Professor, Dept.of Mechanical Engineering, NIT, Calicut	NIT Calicut	Development of a novel eco-friendly wear resistant aluminium alloy with graphene wrapped rutile-TiO ₂ as a ventilated disc brake material for the sustainable utilization of rare-earth deposits in Kerala coast
27	Dr.Roshna S H Santhi Nivas Arattukuzhi, Koothali P O Thiruvananthapuram-695505 roshnanakshathra@gmail.com 8943156756	01/09/2023	Dr.V.Biju, Head, Department of Physics, University of Kerala, Kariavattom Campus, Thiruvananthapuram	Department of Physics, University of Kerala, Kariavattom Campus	Optimization of Spin-orbit torques in Antiferromagnetic/Heavy-metal Heterostructures for Spintronics Based Memory Devices

Domain: Political Science, Historical Studies, Humanities and Liberal Arts					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
28	Dr.Aswathy Rajan, Kattungal House, Janatha Road, Ernakulam,683101 draswathyrajan88@gmail.com 7736319626	05/06/2023	Dr.Sunil P Elayidom, Professor, Dept. of Malayalam, SSUS, Kalady	Dept of Malayalam, Sree Sankaracharya University of Sanskrit, Kalady	"Exploring the Creative Pedagogy through the Performative Wisdom of Living Treasures"
29	Dr.Methil Devika, 5/712,Rakendu, Ramanathapuram, Palakkad-678001 methildevikadoc@gmail.com 9846372762	23/11/2023	Dr.AntonyPalackal, Professor, Department of Sociology, University of Kerala	University of Kerala, Department of Sociology	Temple Terrain as a New Performance Space for the Woman Dancer: A Study on How the Modern Woman Reinvents her Art in Esoteric Spaces
30	Dr.Chaithanya Antony, Lovedale, Mariyathuruthu P.O, Kudayampady, Kottayam-686017 chaithanyaantonyrosedale@gmail.com 8281078388	05/06/2023	Dr.Rajesh V. Nair, Assistant Professor of English, School of Letters, MG University	Mahatma Gandhi University- School of Letters	Configuration of 'Survival kit' for obsessive- compulsive disorder from Psychoanalytical Novels
31	Dr.Anamika Ajay, H-17, Centre for Development Studies, Prasanth Nagar, Ulloor P.O, Thiruvananthapuram, 695011 anamajay@gmail.com 8892835489	01/07/2023	Prof. J. Devika	Centre for Development Studies, Trivandrum	Working-Class Masculinities and Gender Politics in Kerala's Development
32	Dr.Renjith Kumar O.S., Ozhichiranjilil House, Kanippayur Post, Kunnankulam, Thrissur, 680517 renjithoskumar@gmail.com 9496467908	08/06/2023	Dr.M.H Ilias, Professor, School of Gandhian Thought & Development Studies, Mahatma Gandhi University, Kottayam	School of Gandhian Thought and Development Studies, Mahatma Gandhi University	A study on the policy-relevance of local virtual-water assessment in decentralized water conservation mission of Kerala
33	Dr.Fathima Beevi R, Shamnad Manzil, Anchal, Kollam, 691306 itsmefathi2012@gmail.com 9562739735	03/07/2023	Dr.K.K.Girish Kumar, Assistant Professor, Dept. of Hindi, CUSAT	Department of Hindi, Calicut University	भारतीयदलितआंदोलनमेंमलयालमसाहित्यऔर रकेरलराज्यकेआंदोलनकर्ताओंकायोगदान – एकअवलोकन (An overview of the Malayalam literature and agitators from the state of Kerala who contributed to the

Domain: Political Science, Historical Studies, Humanities and Liberal Arts					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
					Indian Dalit movement)
34	Dr.Rekha Raj, Nishadam (h), Kapickadu KallaraPO , Kottayam 686611 rekha.raj78@gmail.com 9446202391	09/06/2023	Dr.Arathi P M, School of Indian Legal Thought, Mahatma Gandhi University, Kottayam	M G University	Towards democratisation: Mapping work Participation, Representation and Gender disparity in Malayalam film Industry
35	Dr.Vipindas P, Viji Cottage house, Karinkutty P O, Kalpetta Wayanad District, 673122 vipindas@mssrf.res.in 9746591504	26/07/2023	Dr.Shakeela V., Director, M.S. Swaminathan Research Foundation CAbC, Puthoorvayal, Wayanad	M.S. Swaminathan Research Foundation CAbC, Puthoorvayal, Wayanad	Changing Human Wildlife Interface and Food Security Nexus of People in the Western Ghats Region of Wayanad, South India
36	Dr.Sreejesh N P, NellyullaParambath (H), Thiruvallur (P.O), Vadakara, 673541 npsreejesh@gmail.com 9400449698	07/06/2023	Dr.M.H Ilias, Professor, School of Gandhian Thought & Development Studies, Mahatma Gandhi University, Kottayam	Mahatma Gandhi University	Dalit Empowerment and the Land Ownership: Interrogating the Life Experiences of Dalit Colonies in Kerala

Domain: Economic Studies					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
37	Dr.Nasreena.K.K Naseemas, Akg Road, Po Chirakkal, Kannur-670011, Kerala, India nasreenailyas@gmail.com 8129867636	05/06/2023	Dr.C.P. Shaheed Ramzan, Professor of Economics, Govt.Arts&Science College, Kozhikode	Research Department Of Economics, Government Arts And Science College, Calicut	Practices, Performance and risk sharing of Participatory and other credit societies: A comparative study

Domain: Agriculture and Ecological Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
38	Dr.Sangeetha Varma V M Vadakkemadathil Geethalayam Mandur Po Kannur-670501 1sangeethavarma@gmail.com 9895180699	10/07/2023	Dr.Hema Somanathan, Professor, School of Biology, IISER, Thiruvananthapuram	Indian Institute of Science, Education and Research, Thiruvananthapuram, School of Biology	Impact of domesticated honeybees on plant- pollinator network- Implications for wild bee conservation
39	Dr.Sudheep N. M. Nagamangalam Kankol Post., Payyannur Via., Kannur-670307 sudheepnm@gmail.com 9446929802	01/07/2023	Dr.Radhakrishnan E.K., Associate Professor, School of Biosciences, Mahatma Gandhi University, Kottayam	Mahatma Gandhi University, Priya Darsini Hills Post., Kottayam	Induction of abiotic stress tolerance in cultivated rice varieties through microbiome modulation
40	Dr.Sheeba V A Vilambukattu house Pallippuram P O Cherthala Alappuzha-688541 sheeba.appukuttan@gmail.com 9447708556	10/07/2023	Dr.Surendran U., Principal Scientist & Head, Land & Water Management Group, CWRDM, Kozhikode	Centre for Water Resources Development and Management (CWRDM), Kozhikode	<i>A novel approach of removal of Microplastic- heavy metal complex, a persistent pollutant from waste water treatment plants using biofilms</i>
41	Dr.Roshni K MNRA231A, PadinjareChelapurath Modiserry lane, Thrikkakara Cochin University PO Ernakulam- 682022 roshni.phd@gmail.com 9645845355	09/06/2023	Dr.Suja P Devipriya , Professor, School of Environmental Studies, CUSAT	School of Environmental Studies, Cochin University of Science and Technology	Distribution, characterization and risk assessment of microplastics in Mangrove ecosystems of Kerala with emphasis on food chain bioaccumulation of faunal communities and carbon sequestration potential using environmental forensic methods

Domain: Agriculture and Ecological Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
42	Dr Lakshmi G Chullikkattuputhen Veedu, Chengamanad, Ernakulam-683578 melakshmigop1@gmail.com 9497367890	05/06/2023	Dr.JayeshPuthumana , Assistant Professor, National Centre for Aquatic Animal Health, CUSAT	National Centre for Aquatic Animal Health (NCAAH), CUSAT	Development of Lateral Flow Assay (LFA) based diagnostic systems for rapid detection of Vibriosis in Aquaculture farms of Kerala
43	Dr.Sheeja U M , UllatilMeathal House Olavanna, Kozhikode-673019 sheeja.clt@gmail.com 9072158269	01/06/2023	Dr.Sheik Mohammed Shamsudheen R., Associate Professor, Dept. of Zoology, Kannur University	Kannur University, Department of Zoolgy, Mananthavadi Campus, Wayanad	Development Of Entomopathogenic Microbial Strains As A Consortium For Insect Pest Management In The Agricultural Sector Of Kerala – A Green Approach
44	Dr.Sabana A A Kulangara House Po KudluEriyal Kasaragod-671124 sabana3333@gmail.com 8129762085	08/06/2023	Dr.M.K Rajesh, Principal Scientist(Biotechnology), ICAR-Central Plantation Crops Research Institute, Kasaragod	ICAR-Central Plantation Crops Research Institute, Division Of Crop Improvement	Potential of RNA interference (RNAi) in sustainable management of the invasive rugose spiralling whitefly, <i>Aleurodicus rugioperculatus</i> Martin (Hemiptera: Aleyrodidae)
45	Dr.Aswani R Rakkuramparamb (H) Thenkurissi, Palakkad-678671 aswaniraveendran92@gmail.com 9539655020	01/06/2023	Dr.K.B Soni, Professor & Head, Dept.of Molecular Biology and Biotechnology, College of Agriculture, Vellayani	College of Agriculture Kerala Agricultural University VellayaniThiruvananthapuram	Development and applications of biogenic polymers from unique plant microbiome augmented with nanoformulations from organic waste of herbal medicine industry for active packaging of fresh produce
46	Dr.Maya P Mekkattillam,Puthur, Ettukudukka (Po), Karivellur (VIA) Kannur-670521 mayaanand27@gmail.com 9544281157	15/06/2023	Dr.RajeshKalladan, Assisatnt Professor(Plant Physiology), Kerala Agricultural University, Regional Agricultural Research Station, Pilicode	Regional Agricultural Research Station (Rars), Kerala Agricultural University, Pilicode	Molecular characterization Of salinity tolerance mechanism in Kuthiru, Orkayama using their recombinant inbred lines for breeding enhanced salt tolerance in rice

Domain: Agriculture and Ecological Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
47	Dr.Nadiya F Mash ManakkalPerumkulam PO Alamcode, Attingal Thiruvananthapuram- 695102 fnadiya2009@gmail.com 9383444280	05/09/2023	Dr.Rajalakshmi, Director, Inter University Centre for Genomics and Gene Technology, Department of Biotechnology, University of Kerala, Kariavattom Campus	Inter University Centre for Genomics and Gene Technology, Department of Biotechnology, University of Kerala, Thiruvananthapuram	Comparative transcriptome and metabolome profiling to evaluate the glycemic potential of Njavara: The medicinal rice of Kerala

Domain: Climate Change and Geological Studies					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
48	Dr.Thanooja P. V. PadinjareVariyath Anthyalamkudam Athaloor (Po) Malappuram 679573 pvthanooja@gmail.com 9481286022	05/06/2023	Dr. Arun P R, Senior Scientist, Hydrology and Climatology Research Group, Centre for Water Resources Development and Management(CWRDM), Kozhikode	KSCSTE-Centre for Water Resources Development and Management (KSCSTE-CWRDM)	Major, trace and rare earth element characterisation of hard-rock associated aquifers within the Palghat-Cauvery Shear Zone (PCSZ): Insights into the water-rock interaction processes and geogenic contamination of groundwater in northern Kerala
49	Dr.Sreekumar Haridas Aswathy Bhavan (Arackal) Koodapulam (P.O) Kottayam-686576 sreekuttanarackal@gmail.com 9567858403	12/07/2023	Dr.Manoj M.G., Scientist-D, Advanced Centre for Atmospheric Radar Research, Cochin University of Science and Technology, Cochin	Cochin University of Science and Technology (CUSAT), Advanced Centre for Atmospheric Radar Research (ACARR)	Assessment and future projection of hydrological droughts in Kerala based on CMIP6 Models
50	Dr.Martin G.D. Gopurathingal House Angamaly South Ernakulam-683573 martinnio@gmail.com 9495033214	25/08/2023	Dr.Shaju S.S., Assistant Professor & Head, Dept. of Chemical Oceanography, School of Marine Sciences, CUSAT	Dept. of Chemical Oceanography, Cochin University of Science And Technology, Cochin	Assessment of Climate Change-Induced Shifts on the changing Nutrient Biogeochemical Cycles of the Cochin coastal waters, Kerala

Domain: Climate Change and Geological Studies					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
51	Dr.A.R Aswini Vasantham (H), ParuthimadomResidence, Balaramapuram P O Thiruvananthapuram-695501 aswini1990@gmail.com 9497274472	03/07/2023	Dr.E.A.Resmi, Scientist D, Atmospheric Science Division, National Centre for Earth Science Studies, Akkulam, Thiruvananthapuram	National Centre for Earth Science Studies, Earth System Science Organization, Ministry of Earth Sciences	Impact of long-range transported mineral dust and biomass emission on the sensitive ecosystem of Western Ghats: insights from molecular markers, elemental composition and morphology of aerosols
52	Dr. Aiswarya S. Devika (H), Kollam Po Koyilandy Kozhikode-673307 ashmundakkal@gmail.com 8891181203	05/09/2023	Dr.Nithyaja B, Assistant Professor, Department of Physics, Government College, Madappalli	Government College, Madappalli	Retrieval of the wavelength dependent optical properties of aerosols using a broadband cavity enhanced albedometer at major cities of Kerala and their source identification.
53	Dr.Ajay S. V. Aswathy Nekkankuzhy, Pavathianvila, Parassala, Thiruvananthapuram-695502 s.v.ajay.srt@gmail.com 9567293175	11/10/2023	Dr. Prathish K P, Senior Scientist CSIR-National Institute for Interdisciplinary Science & Technology, IIIST	Kerala Minerals and Metals Limited	Solar Energy Induced Catalytic Degradation OfNox Species Using Tio2 Based Paint Formulations For Next Generation Urban Air Quality Management

Domain: Medical Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
54	Dr.Gayathri Krishna R Bhavamayi,X/392A Sneha Nagar, Vrindavan, West Kadungaloor,Aluva Ernakulam-683110 gayathriradhan@gmail.com 8089019931	04/10/2023	Dr. Mohanan Valiyaveettil, Senior Principal Scientist (F), Institute of Advanced Virology, Thiruvananthapuram	Institute of Advanced Virology	Probing post translational modifications and dynamics of Nipah virus matrix protein

Domain: Medical Science					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
55	Dr. Aneesa P A Painadath House Purayar, Desom P O, Aluva Ernakulam-683102 aneesasiraj@cusat.ac.in 9995217250	01/07/2023	Dr.Baby Chakrapani P.S.,Director, Centre for Neuroscience,Department of Biotechnology, Cochin University of Science And Technology, Kochi	Centre for Neurosciences, Cochin University of Science and Technology, Cochin	The development of early detection assays for Alzheimer's disease risk assessment in the aging population of Kerala using metabolomics.
56	Dr.Sunsu Kurian Thottil Thottil House Arpookara West P.O Kottayam-686008 sunsukurian@gmail.com 9447711676	09/06/2023	Dr. Sreelatha K.S. , Assistant Professor& Research Guide, Department of Physics, Government College,Nattakom	Government College,Nattakkam.M.G.U niversity	A study on intrinsic and extrinsic properties of neuronal systems

Domain:Commerce and Management Studies					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
57	Dr.Nisa James Chilampacheril House Lakkattoor P.O. Kottayam-686502 nisajames@gmail.com 9656808654	03/10/2023	Prof. Jagathy Raj V P Director & Senior Professor School of Management Studies, Cochin University of Science & Technology, Kochi	School of Management Studies, Cochin University of Science and Technology (CUSAT)	Effectiveness of behavioural interventions to address substance use among adolescents in Kerala: An integrated SFAS-RE AIM approach

Domain: Digital Technology and Engineering					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
58	Dr.Nitha V Panicker RadheyamSNRA 1-B, Near St.Thomas Central School,	09/10/2023	Dr. Ramesh P, Scientist G (Senior Grade) Division of Polymeric Medical Devices BMT Wing, SCTIMST	Department Of Optoelectronics, University Of Kerala, Kariavattom, Trivandrum	Design, development and characterization of conductive nanomaterial based medical electrodes for bio signal acquisition

Domain: Digital Technology and Engineering					
Sl.No	Name of CMNP Fellow	Date of Joining	Details of the Mentor	Name of Registering Institution	Title of the Project
	Mukkolakkal P O Thiruvananthapuram-695043 nitha.anil@gmail.com 9447958735				
59	Dr.S Smitha Sowmya, Ramakrishna Nagar NSS Engg. College PO Palakkad-678008 smithasivadas123@gmail.com 9497354348	20/06/2023	Dr.Rakesh J Pillai, Assistant Professor, Dept. of Civil engineering, IIT Palakkad	IIT Palakkad	Sustainable slope stabilization in unsaturated laterite soil using biopolymer



The Kerala State Higher Education Council

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