

The Kerala State Higher Education Council (KSHEC)

Chief Minister's NavaKerala Post Doctoral Fellowship-2022-23 -Mode-II (2nd Batch)

Sl. No	Domain Name	Number of Candidates Recommended
1	Life Science	20
2	Chemical Science	4
3	Material Science	6
4	Political Science, Historical Studies, Humanities & Liberal Arts	10
5	Economic Studies	2
6	Agriculture & Ecological Science	12
7	Climate Change & Geological Studies	6
8	Medical Science	4
9	Commerce & Management Studies	1
10	Digital Technology & Engineering	3
	Total	68

Domain wise

details

1. Life Science

Sl. No	Name & Address of the Fellow	Gender	Name of Registering University with department/School/ Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Dr. Syama H.P Mekkeveedu, Choozhattukotta Malayam PO, Trivandrum- 695071	F	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
2	Dr. Shilpa O Midhun Nivas, Sunson Junction, Kurinhi Temple Raod, Thayineri, Payyannur Kannur - 670307	F	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
3	Sandrea Maureen Francis Sonsila, 39/1095 North Janatha Road Palarivattom, Ernakulam 682025	F	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
4	Salini K Flat No:604, Travancore Towers, NAP Junction, Azad Road, Kathrikadavu, KaloorP.O Ernakulam-682017	F	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
5	Aiswarya U S TC 55/1537(1), Aadhavam Kalady, Karamana Thiruvananthapuram 695002	F	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.

Sl. No	Name & Address of the Fellow	Gender	Name of Registering University with department/School/Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
6	Anupama Chandravilasam, Karuvatta PO, Allapuzha 690517	F	Indian Institute of Technology Palakkad	Development of natural product-based inhibitors for protein S-palmitoylation: An <i>in silico</i> and <i>in vitro</i> study focusing on the natural product diversity in the State of Kerala.
7	Kalaivani V Kalaivani Bhavan Kalluvettankuzhy Venganoor P O Thiruvananthapuram-695523	F	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
8	Dr. Shidhi P. R Vallamvalapil House, Korenchira P.O, Oravathur, Kizhakkencherry, Palakkad-678684	F	Department of Zoology, University of Kerala, Kariyavattom	An Investigation into Ayurveda-Inspired Therapeutic Strategies Against Hypertension: A System-Based Approach
9	Dr.C.P.Sreena Aruvi, Manikkulathuparamba P.O.Thenhipalam Malappuram-673636	F	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
10	Dr. Madayi Deepti Quarter No C6, Calicut University campus Thenjhipalam Malappuram-673635	F	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.
11	Dr. Reshma V.G. Pookulangara House Villakinkaalu via Puranattukarap.o Thrissur-680551	F	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.

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12	Vineetha V P Flat - 2A, Spaceton Grandville, Kalikulam, CMC-10, Cherthala P.O. Alappuzha-688524	F	Department of Aquatic Animal Health Management, Kerala University of Fisheries and Ocean Studies, Kochi	Nanoemulsion of Coriandrum sativum oil and Asparagus racemosus to improve fish health and disease resistance: an alternate strategy to reduce antibiotic use in aquaculture
13	Reshma P L Saras Nivas, TC 49/1080 AttukalManacaud PO Thiruvananthapuram 695009	F	Regional Cancer Centre Thiruvananthapuram	Development of Polysaccharide-Platinum-methotrexate nano system for targeted drug delivery and tumor management
14	Divya Jose Thekkekkara House Vappalassery P.O.Angamaly Ernakulam-683572	F	National Centre for Aquatic Animal Health, Cochin -	Development, validation and commercialization of coir derived cellulose nano fibrils (CDCNF) based immobilized Pseudomonas for the treatment of fish processing waste water.
15	Dr. R. Shiji Sreelakam House Kallampally, Sreekariyam Thiruvananthapuram-695017	F	Rajiv Gandhi Centre for Biotechnology	Pectin capped superparamagnetic iron oxide nanoparticles armed with Interleukin-2 and anti-PD-1 as a multifunctional immunotherapeutic combatant in solid cancer.
16	Meera SP Moolayil House, Near Talap UP School Kannur-670002	F	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
17	Anuroopa G Nadh Anupam, Edakkidam Ezhukone, Kollam-691505	F	Digital University, Kerala	Traditional knowledge guided in-silico analysis on the protective effect of <i>Sesbania grandiflora</i> against oral ulcers

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18	Dr Anoop Kumar A.N. Naduvanthar House Thirunelly temple Post Wayanad Mananthavady 670646	M	University of Calicut	A rapid, cost effective diagnostic kit for Real Time PCR based detection of malaria.
19	Anet Antony Kaliyaniyil house Vayattuparamba P.O. Kannur-670582	F	Calicut University/Zoology	Discovery of novel antimicrobial and anticancer peptides from amphibian skin secretions
20	Swetha. M QtrTypeII/I, SIB OCR Complex, Thamalam, Poojappura POST Thiruvananthapuram 695012	F	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>

2. Chemical Science

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Muhasina P V Kulathinte Meethal House Vattoli Bazar,Balusseri Kozhikode-673623	F	University of Calicut, Department of Chemistry	Biodegradation of Polyethylene terephthalate (PET) - Redesigning PET Hydrolases Using Machine Learning Approaches

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2	Saisree S Nediyathu House Elampallil, Payyanalloor (PO) Pathanamthitta-690504	F	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
3	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	F	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
4	Sarika S Edavila, Ooninmoodu Elakmon Po, Varkala, Thiruvananthapuram-695310	F	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

3. Material Science

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Dr. Jeethu Raveendran Thekkut House,	F	IIT Palakkad	Paper-Based Lateral Flow Assay-Based Electrochemical Sensor for The Early Diagnosis of Kidney Dysfunction

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	Velupadem P O Thrissur- 680303			by the simultaneous Detection of Creatinine and Cystatin C
2	Jiya Jose Panikulangara House Angamaly-683589	F	Department of Biotechnology, CUSAT	Development of 3D printed cellulose Nano fiber (water Hyacinth) based multi layered skin grafts for chronic wound healing and skin regeneration
3	Surjith Alancherry Kattayana H, Tharuvana Manathavady, Wayanad 670645	M	School of electronic systems and automation, Digital University, Kerala	MXene based self-powered tactile sensors for health monitoring and diagnosis
4	Hasna P P PMullamparambil House Velimukku P.O. Malappuram-676317	F	University of Calicut	Exploration Of Ubiquitous Electrocatalysts For High Temperature Fuel Cell Applications
5	Dr. S. Krishnanunni Sreekrishna, 55/ Pushpavihar, Nadathara P.O, Thrissur-680751	M	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
6	Roshna S H Santhi Nivas Arattukuzhi, Koothali P O Thiruvananthapuram-695505	F	Department of Physics, University of Kerala, Kariavattom Campus	Optimization of Spin-orbit torques in Antiferromagnetic/Heavy-metal Heterostructures for Spintronics Based Memory Devices

4. Political Science, Historical Studies, Humanities and Liberal Arts

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Aswathy Rajan, Kattungal House, Janatha Road, Ernakulam,683101	F	Dept of Malayalam, Sree Sankaracharya University of Sanskrit, Kalady	“Exploring the Creative Pedagogy through the Performative Wisdom of Living Treasures”
2	Methil Devika, 5/712,Rakendu, Ramanathapuram, Palakkad-678001	F	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
3	Soumy Syamchand, Sreeshylam, Kairali Nagar 7A, Kottarakara, Kollam, 691506	F	School of Letters, Mahatma Gandhi University	Historiographic, Sociocultural Discourse and Oral Inscriptions of Malapandaram Tribes of Kerala and Tamilnadu in India
4	Chaithanya Antony, Lovedale, Mariyathuruthu P.O, Kudayampady, Kottayam-686017	F	Mahatma Gandhi University-School of Letters	Configuration of ‘Survival kit’ for obsessive-compulsive disorder from Psychoanalytical Novels
5	Anamika Ajay, H-17, Centre for Development Studies, Prasanth Nagar, Ulloor P.O, Thiruvananthapuram, 695011	F	Centre for Development Studies, Trivandrum	Working-Class Masculinities and Gender Politics in Kerala’s Development
6	Renjith Kumar O.S., Ozhichiranjilil House, Kanippayur Post, Kunnamkulam, Thrissur, 680517	M	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
7	Fathima Beevi R, Shamnad Manzil, Anchal, Kollam, 691306	F	Department of Hindi, Calicut University	भारतीयदलितआंदोलनमेंमलयालमसाहित्य औरकेरलराज्यकेआंदोलनकर्ताओंकायोगदान – एकअवलोकन (An overview of the Malayalam literature and agitators from the state of Kerala who contributed to the Indian Dalit movement)

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8	Rekha Raj, Nishadam (h), Kapickadu Kallara PO , Kottayam 686611	F	M G University	Towards democratisation: Mapping work Participation, Representation and Gender disparity in Malayalam film Industry
9	VipindasP, Viji Cottage house, Karinkutty P O, Kalpetta Wayanad District, 673122	M	Kannur University	Changing Human Wildlife Interface and Food Security Nexus of People in the Western Ghats Region of Wayanad, South India
10	Sreejesh N P, NellyullaParambath (H), Thiruvallur (P.O), Vadakara, 673541	M	Mahatma Gandhi University	Dalit Empowerment and the Land Ownership: Interrogating the Life Experiences of Dalit Colonies in Kerala

5. Economic Studies

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre(for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Nasreena.K.K Naseemas, Akg Road, Po Chirakkal, Kannur-670011, Kerala, India	F	Research Department Of Economics, Government Arts And Science College, Calicut	Sukuk: An Alternative For The Resource Mobilization In Kerala Infrastructural Development
2	Dr. Sunitha Vijayan Devi, Kra 24, Jp Lane, Nemom Po, Thiruvananthapuram, Kerala, 695020	F	University Of Kerala	Sustainable Agriculture Practices in Kerala: A Comparative Efficiency Analysis of Organic and Conventional Farming Systems

6. Agriculture & Ecological Science

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre (for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Lakshmi Ezhamparambath Jayachandran Brjra-16 Sreelakham Edapally North Jyothy Nagar Brothers Road, Cochin Ernakulam-682024	F	Kerala Agriculture University Vellanikkara	Application Of Advanced Thermal And Non Thermal Technologies For The Processing And Preservation Of Banana Pseudostem
2	Sangeetha Varma V M Vadakkemadathil Geethalayam Mandur Po Kannur-670501	F	Indian Institute of Science, Education and Research, Thiruvananthapuram, School of Biology	Impact of domesticated honeybees on plant-pollinator network- Implications for wild bee conservation
3	Sudheep N. M. Nagamangalam Kankol Post., Payyannur Via., Kannur-670307	M	Mahatma Gandhi University, Priya Darsini Hills Post., Kottayam	Induction of abiotic stress tolerance in cultivated rice varieties through microbiome modulation
4	Sheeba V A Vilambukattu house Pallippuram P O Cherthala Alappuzha-688541	F	CWRDM, Calicut	<i>A novel approach of removal of Microplastic-heavy metal complex, a persistent pollutant from waste water treatment plants using biofilms</i>
5	Roshni K MNRA231A, Padinjare Chelapurath Modiserry lane, Thrikkakara Cochin University PO Ernakulam- 682022	F	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

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6	Dr Lakshmi G Chullikkattu puthen Veedu, Chengamanad, Ernakulam-683578	F	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
7	Sujayasree.O.J Jayanivas House Vadochal, Panamaram PO Wayanad-670721	F	Kerala Agricultural University, Department of Agricultural Engineering	Application Of Nanotechnology For Development Of Coconut Water-Based Biopolymer With Anti-Microbial Properties As Sustainable And Biodegradable Food Packaging Solutions
8	Sheeja U M, Ullatil Meathal House Olavanna, Kozhikode-673019	F	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
9	Sabana A A Kulangara House Po Kudlu Eriyal Kasaragod-671124	F	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)
10	Aswani R Rakkuramparamb (H) Thenkurissi, Palakkad-678671	F	College of Agriculture Kerala Agricultural University Vellayani Thiruvananthapuram	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
11	Maya P Mekkattillam, Puthur, Ettukudukka (Po), Karivellur (VIA) Kannur-670521	F	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

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12	Nadiya F Mash Manakkal Perumkulam PO Alamcode, Attingal Thiruvananthapuram-695102	F	Inter University Centre for Genomics and Gene Technology, Department of Biotechnology, University of Kerala, Kariavattom Campus	Comparative transcriptome and metabolome profiling to evaluate the glycemic potential of Njavara: The medicinal rice of Kerala

7. Climate Change & Geological Studies

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre (for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Thanooja P. V. Padinjare Variyath Anthyalamkudam Athaloor (Po) Malappuram 679573	F	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
2	Sreekumar Haridas Aswathy Bhavan (Arackal) Koodapulam (P.O) Kottayam-686576	M	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
3	Martin G.D. Gopurathingal House	M	Centre for Water Resources Development and Management,	Assessment of Climate Change-Induced Shifts on the changing

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	Angamaly South Ernakulam-683573		Kunnamangalam, Kozhikode	Nutrient Biogeochemical Cycles of the Cochin coastal waters, Kerala
4	A.R Aswini Vasantham (H), Paruthimadom Residence, Balaramapuram P O Thiruvananthapuram-695501	F	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
5	Aiswarya S. Devika (H), Kollam Po Koyilandy Kozhikode-673307	F	Research Centre, Department Of Physics, Mahathma Gandhi College, Kesavadasapuram, Pattom, Trivandrum, 695004	Retrieval of the wavelength dependent optical properties of aerosols using a broadband cavity enhanced albedometer at major cities of Kerala and their source identification.
6	Ajay S. V. Aswathy Nekkankuzhy, Pavathianvila, Parassala, Thiruvananthapuram-695502	M	Kerala Minerals and Metals Limited	Solar Energy Induced Catalytic Degradation Of Nox Species Using Tio2 Based Paint Formulations For Next Generation Urban Air Quality Management

8. Medical Science

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre (for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Gayathri Krishna R Bhavamayi,X/392A Sneha Nagar, Vrindavan, West	F	Institute of Advanced Virology	Probing post translational modifications and dynamics of Nipah virus matrix protein

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	Kadungaloor, Aluva Ernakulam-683110			
2	Dr. Aneesa P A Painadath House Purayar, Desom P O, Aluva Ernakulam-683102	F	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.
3	Manu M. Joseph Manalel House Mission Kavala, Kattappana South PO, Kattappana Idukki-685515	M	National Institute of Interdisciplinary Science and Technology (NIIST-CSIR), Chemical Science and Technology Division (CSTD)	A highly sensitive and compact point-of-care biosensor for the non-invasive early diagnosis of pancreatic carcinoma
4	Sunsu Kurian Thottil Thottil House Arpookara West P.O Kottayam-686008	F	Government College, Nattakkam.M.G. University	A study on intrinsic and extrinsic properties of neuronal systems

9. Commerce

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre (for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Dr. Nisa James Chilampacheril House Lakkattoor P.O. Kottayam-686502	F	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

10. Digital Technology & Engineering

Sl. No	Name & Address of Applicant	Gender	Name of Registering University with department/School/Centre (for NavaKerala Post-Doctoral Fellowship)	Title of the Research Proposal
1	Dr.Saranya P Thekkethil House, Kovilakathumuri, Nilambur Malappuram-679239	F	Cochin University of Science And Technology (CUSAT)	Material and structural performance evaluation of pre-coated recycled fine aggregate concrete
2	Nitha V Panicker Radheyam SNRA 1-B, Near St.Thomas Central School, Mukkolakkal P O Thiruvananthapuram-695043	F	Department Of Optoelectronics, University Of Kerala, Kariavattom, Trivandrum	<i>Design, development and characterization of conductive nanomaterial based medical electrodes for bio signal acquisition</i>
3	S Smitha Sowmya, Ramakrishna Nagar NSS Engg. College PO Palakkad-678008	F	IIT Palakkad	Sustainable slope stabilization in unsaturated laterite soil using biopolymer