

**List of selected proposals recommended for funding under SRS, KSCSTE**

No.	Name & Address of PI	Project Title
1	Dr. Santanu Chattopadhyay Scientist Microbiome Laboratory, Rajiv Gandhi Centre for Biotechnology (RGCB), Poojappura, TVM	To assess the impact of gut microbiome and associated bacteriophages in non-alcoholic fatty liver disease and its stages
2	Dr. Rajith K Ravindren Assistant Professor Neuroscience Research Laboratory, Department of Psychiatry, Institute of Mental Health and Neurosciences, Kozhikode	Elucidating the mechanistic role of sleep quality for elevated carbonyl stress in schizophrenia
3	Dr. Radhakrishnan E K Assistant Professor School of Biosciences, Mahatma Gandhi University Kottayam	Development of chitosan-based nano formulations for the sustainable enhancement of growth and disease resistance in ginger
4	Dr. Baby Chakrapani P S Director Centre for Neuroscience, Department of Biotechnology, CUSAT, Cochin	Improving Learning and Memory in adult brain: a study about the role of Ciliary Neurotrophic Factor in the regulation of synaptic plasticity through glutamatergic pathway in the adult neural stem cells
5	Dr. Roshin Anie Jose Assistant Professor Department of Livestock Production Management, College of Veterinary and Animal Sciences, Wayanad	Gene network and pathway analysis of the impact of heat stress on exotic Large White Yorkshire pigs
6	Dr. Ajil Kottayil Scientist-C Advanced Centre for Atmospheric Radar Research, CUSAT, Cochin	Mesoscale Convective Cloud System over the Monsoon Region: Studying the long-term changes in its characteristics and impact on cloud burst events and stratospheric water vapour
7	Dr. Reshmi R Assistant Professor Department of Physics, Union Christian College, Aluva	Fabrication of low temperature, stable and sensitive gas sensors based on MoO <sub>3</sub> -TMD (MoS <sub>2</sub> ) nanohybrid structures: an attempt for prototyping
8	Dr. Shinto P Mathew Assistant Professor, Dept. of Physics, St. Joseph's College, Devagiri.	Enhancement of Multiferroicity by Electron Doping in Double Perovskites
9	Dr. Suresh N Nair Assistant Professor Dept of Veterinary and Animal Sciences Mannuthy, Thrissur	Development of an eco-friendly smart organogel based drug delivery system for administration of antibiotics in aquaculture and evaluation of its efficacy as targeted drug delivery system in fishes
10	Dr. Deepa. K. G Assistant Professor Department of Physics, University of Kerala	Designing cost-effective and efficient crystalline Silicon heterojunction solar cell with hole selective transparent CuCrO <sub>2</sub> layer
11	Dr. K. Sreelash Scientist C Hydrology Group, NCESS, Thiruvananthapuram.	Estimation of soil water fluxes in the high-altitude mountainous watersheds in Kerala using in-situ observations and modelling

12	Dr. Shanas S Assistant Professor Integrated Farming System Research Station, Karamana, KAU, Thiruvananthapuram	Conservation and systematic characterisation of stingless bees (Hymenoptera: Meliponini) in Kerala
13	Dr. Haseena Bhaskar Professor Department of Agricultural Entomology, College of Agriculture, Vellanikkara	Status of acaricide resistance in spider mites (Acari: Tetranychidae) infesting major crops of Kerala
14	Dr. Vishnu R Assistant. Professor Post Graduate & Research Department of Physics, Sree Krishna College, Ariyannur	Investigation on Lightning Activity Over Kerala and its Association with Dynamical and Thermodynamical Parameters
15	Dr. Swapna P. Antony Assistant Professor Department of Marine Biology, Microbiology & Biochemistry, School of Marine Sciences, CUSAT	Antimicrobial Peptides in Aquaculture Organisms: Discovery and Applications
16	Dr. Thulasi V Assistant Professor Soil Science & Agricultural Chemistry, Regional Agricultural Research Station, Pattambi.	Development of stage specific fertigation grades and fertigation schedule for banana grown under drip in Kerala