

Back to Lab Projects -2018-19

- Number of projects continued from previous year - 32 nos.
- Number of projects completed in 2018-19 - 10 nos.
- Number of projects newly sanctioned in 2018-19 - 11 nos.
- Total number of projects in operation in 2018-19 - 43 nos.

1. Projects continued from previous year

Sl. No	Name/ Research Center	Title of the Project	Broad Subject area	Project Duration	Scientist Mentor	Project cost (lakhs)/ Status
1.	Smt. Neethi Raj P Research Scholar School of Bio sciences, Mahatma Gandhi University, Kottayam	Immunomodulatory effect of beta glucan on neutrophil functions in Diabetes mellitus- An in vitro study	Basic/Applied Science/ Biochemistry	15/03/2014 to 10/09/2017 Research fellowship	Dr. Anie Y. Assistant Professor School of Bio sciences, M G University, Kottayam	14.627 Completed
2.	Smt. Aswathy I.S Research Scholar, Dept. of Biochemistry, University of Kerala, TVM	Scientific Validation of Kashayams used in Rheumatoid Arthritis (RA)	Basic/Applied Science/ Biochemistry	02/03/2015 to 30/06/2018 Research fellowship	Dr. A. Helen Associate Professor Department of Biochemistry, University of Kerala, TVM	27.28315 Completed
3.	Smt. Prasannakumari K. Research Scholar Dept. of Physics, Mar Athanasius College, Kothamangalam	Microstructural Investigations in Gas Sensing of Doped Tin Oxide Thin Films	Physical Science/ Thin film Technology	09/02/2015 to 08/02/2018 Research fellowship	Dr. Deepa S. Assistant Professor Department of Physics, Mar Athanasius College, Kothamangalam	13.72289 Completed
4.	Smt. Dhanya Balan A.P. Research Scholar, Dept. of Chemistry, Government College, Kasaragod	Investigations on the development of solid acid catalyst from natural palygorskite collected from different parts of India	Basic Science/ Chemistry, Catalytic Study	09/02/2015 to 08/08/2018 Research fellowship	Dr. Pushpaaletha P. Assistant Professor Department of Chemistry, Government College, Kasaragod	29.82 Completed
5.	Smt. Lekshmi K. Edison Research Scholar, Division of Microbiology, JNTBGRI, Palode, TVM	Production and characterization of β - glucanase from Streptomyces sp.	Basic/Applied Science/ Microbial Biotechnology	01.12.2015 to 30.11.2018 Research fellowship	Dr. N. S. Pradeep Senior Scientist & Head Division of Microbiology JNTBGRI, Palode, Trivandrum	16.6 Completed
6.	Smt. Sheetal Sivankutty Research Scholar Biotechnology and Bioprocess lab, School of Biosciences, M.G. University, Kottayam	Identification, isolation and characterization of Acyl Homoserine Lactone-mimic compounds from selected plants	Basic/Applied Science/ Plant Biotechnology	01.01.2016 to 31.12.2017 Research Fellowship	Dr. Jayachandran K. Associate Professor School of Bio sciences, M.G. University, Kottayam	11.648 Completed
7.	Smt. Shahina N.K. Research Scholar Department of Botany, St. Albert's College, EKM	Nutritional and Biochemical Studies of Wild Edible Mushrooms used by Tribes of Palghat and Wayanad Districts of Kerala	Basic/Applied Science/ Applied Botany	11.12.2015 to 10.12.2018 Research fellowship	Dr. K. Madhusudhanan Assistant Professor Department of Botany, St. Albert's College, Ernakulam	14.80 Completed
8.	Smt. Priya Bhaskaran K.P. Research Scholar Department of Zoology, University of Calicut, Malappuram	Molecular Barcoding and Phylogenetic assessment of selected insect pests (Lepidoptera and Hemiptera) of major cucurbits cultivated in Malappuram District, Kerala	Basic/Applied Science/ Molecular taxonomy	10.12.2015 to 09.12.2018 Research fellowship	Dr. Sebastian C. D. Assistant Professor Department of Zoology, University of Calicut, Malappuram	14.65 Completed
9.	Dr. Resmi J. Dept. of Plant Breeding Onattukara Regional Agricultural Research Station, Kayamkulam, Alappuzha	Empowerment of rural women for cultivation and conservation of rare and endangered medicinal plants through agro-biotechnological interventions	Agriculture / Allied Science/ Agro Biotechnology	17.03.2016 to 19.02.2018 Post-Doctoral Fellowship	Dr. M.R.Bindu Associate Professor Dept. of Plant Breeding Onattukara Regional Agricultural Research Station, Kayamkulam, Alappuzha	16.286 Completed
10.	Dr. Viji A R Dept. of Botany, University College, Trivandrum	"Systematic studies of the family Cyperaceae in Southern Western Ghats"	Basic/ Applied Science/ Botany	20.12.2016 to 31.05.2018 Post-Doctoral Fellowship	Dr. T. S. Preetha Assistant Professor Dept. of Botany University College, Trivandrum	13.55184 Completed

11.	Smt. Krishna R. Prasad Research Scholar Coastal Process Division, NCESS, Trivandrum	Wetland studies of Akathumuri Anchuthengu Kadin amkulam estuarine system, south west coast of India	Basic/Applied Science/ Geology	04/03/2015 to 03/09/2018 Research fellowship	Dr. Reji Srinivas Scientist B Coastal Process Division, NCESS, TVM	23.1 Ongoing
12.	Smt. Shiny R. Research Scholar Crop Production Division, ICAR-CTCRI, Sreekariyam, Trivandrum	“Climate smart natural resource management of Cassava (Manihot esculenta Crantz) using geo-informatics tools”	Applied Science/ Environmenta l Science	04.09.2015 to 03.03.2019 Research fellowship	Dr. G. Byju Principal Scientist Crop Production Division, ICAR-CTCRI Sreekariyam, Trivandrum	19.85 Ongoing
13.	Smt. Saritha. C Research Scholar Dept. Of Chemistry, School of Chemical Science, Kannur University	“Synthesis and characterization of carbazole based hole- transporting materials for application in photovoltaic cells”	Chemical Science/ Organic Chemistry	01.02.2017 to 31.01.2020 Research fellowship	Dr. K.R. Haridas Professor Dept. Of Chemistry, School of Chemical Science, Kannur University	17.33 Ongoing
14.	Smt. Indu Susan Raj Research Scholar Dept. of Civil Engineering, M.A. College of Engineering, Kothamangalam	“Study on the suitability, effectiveness and properties of various types of light weight concrete incorporating locally available materials for economical and sustainable masonry blocks”,	Engineering/ Civil Engineering	17.01.2017 to 16.01.2020 Research fellowship	Dr. Elson John Professor Dept. of Civil Engineering M.A College, Kothamangalam	20.0683 Ongoing
15.	Smt. Praseetha R Nair Research Scholar Dept. of Polymer Science & Rubber Technology, CUSAT	Preparation and characterization of Cissus Quadrangularis Linn plant extract incorporated chitosan- collagen scaffold for bone regeneration”	Basic/ Applied Science/ Chemistry	07.03.2017 to 06.03.2020 Research fellowship	Dr. Sailaja G. S Associate Professor Dept. of Polymer Science and Rubber Technology, CUSAT	20.01655 Ongoing
16.	Dr. Sini Anoop PG Department of Aquaculture and Fishery Microbiology, M.E.S. Ponnani College Malappuram	Preparation and characterization of Cissus Quadrangularis Linn plant extract incorporated chitosan- collagen scaffold for bone regeneration”	Applied Science/ Marine Biology	09.03.2017 to 08.03.2020 Post-Doctoral Fellowship	Dr. Razia Beevi Associate Professor PG Department of Aquaculture and Fishery Microbiology, MES Ponnani- Malappuram	23.422 Ongoing
17.	Smt. Keerthy Vijayan Research Scholar Forest Health Division KFRI, Peechi, Thrissur	Tracking the invasion of achatia fulica and its role in spreading the rat lungworm.	Basic/ Applied Science/ Biotechnolog y	15.12.2016 to 14.12.2019 Research fellowship	Dr. T.V Sajeev Scientist E1 & Head Forest Health Division KFRI, Peechi, Thrissur	20.08 Ongoing
18.	Smt. Jisha K Research Scholar Dept. of Botany Govt. Victoria College, Palakkad	Vascular Plant diversity of riparian system along Thutha river, Kerala	Basic/ Applied Science/ Botany	29.03.2017 to 28.03.2020 Research fellowship	Dr. Maya C Nair Assistant Professor & Head Dept. of Botany, Govt. Victoria College, Palakkad	18.534 Ongoing
19.	Dr. Reji S R Division of Microbiology JNTBGRI Palode, Trivandrum	Biotransformation of saponins to diosgenin for enhanced yield from Dioscorea sp using indigenous fungal strains	Basic/ Applied Science/ Biotechnolog y	15.03.2017 to 14.03.2020 Post-Doctoral Fellowship	Dr. N. S.Pradeep Senior Scientist & Head Division of Microbiology JNTBGRI, Palode, Trivandrum	22.872 Ongoing
20.	Dr. Bindu K. Jose Dept. of Wood Science, College of Forestry, Kerala Agricultural University Vellanikkara	Studies on behaviour and pheromone signalling of the Teak trunk borer, Cossus cadambae Moore, its management implications and assessment of wood degradation due to the borer attack.	Basic/ Applied Science/ Forest Entomology	27.03.2017 to 26.03.2020 Post-Doctoral Fellowship	Dr. Anoop Elaveettil Vasu, Associate Professor and Head, Dept. of Wood Science, College of Forestry, KAU, Vellanikkara, Thrissur	20.972 Ongoing
21.	Smt. Krishna Priya M G Research Scholar Department of Civil Engineering M.A College of Engineering, Kothamangalam	Activity based travel demand modeling integrating residential location Characteristics	Engineering/ Transportatio n Planing/ Civil Engineering	27.03.2017 to 26.03.2020 Research fellowship	Prof. Bybin Paul Assistant Professor, Department of Civil Engineering, MA College of Engineering, Kothamangalam	9.53 Ongoing

22.	Smt. Rajeena. U Research Scholar Dept. Chemistry, SNGS College Pattambi, Palakkad	Development of fluorographene-based electrochemical sensors for small biomolecules	Basic/ Applied Science Chemistry/ Electrochemi cal Sensor	23.03.2017 to 22.03.2020 Research fellowship	Dr. Resmi M.R Assistant Professor Dept. Chemistry, SNGS College Pattambi, Palakkad	15.8 Ongoing
23.	Smt. Jennath H S Research Scholar Faculty of Technology, IIITM-K, Techno Park, Trivandrum	Distributed Intelligence in Internet of Things	Engineering/ Artificial Intelligence	27.03.2017 to 26.03.2020 Research fellowship	Dr. Asharaf S Associate Professor IIITM-K, Technopark, Trivandrum	14.93 Ongoing
24.	Smt. Lekshmi K R Research Scholar, Computer Science, IIITM-K, Techno Park, Trivandrum	An Assistive communication technology for divyaang.	Basic/ Applied Science/ Speech Recognition	27.03.2017 to 26.03.2020 Research fellowship	Dr. Elizabeth Sherly Professor IIITM-K Technopark Campus, Trivandrum	11.48 Ongoing
25.	Dr. Vidya Raj Department of Chemistry, Govt. College for Women, Trivandrum	Heparin Gold Nanoparticles for Colorimetric Detection of Cardiac Troponin I	Basic/ Applied Science/ Chemistry	15.03.2017 to 14.03.2020 Post-Doctoral Fellowship	Dr. Saji Alex Asst. Professor, Dept. of Chemistry, Govt. College for Women, Trivandrum	23.822 Ongoing
26.	Smt. Teena Merlin Research Scholar School of Biosciences M.G. University, Kottayam	In vitro studies on the therapeutic potential of free radical scavengers from Kokilaksham Kashayam on macrophage cells in regulation of Chronic inflammation	Applied Science/ Biochemistry	20.06.2017 to 19.06.2020 Research Fellowship	Dr. Prakash Kumar B Associate Professor Dept. of Biochemistry School of Biosciences M.G. University, Kottayam	25.7 Ongoing
27.	Smt. Neethu R S Research Scholar Forest Health Division KFRI, Peechi, Thrissur	Evaluation of phenotypic and phytochemical profile of selected medicinal plants from different agro- climatic conditions of Kerala	Agriculture& Allied Science/ Forest Botany	01.04.2017 to 31.03.2019 Research Fellowship	Dr. T. V. Sajeev Scientist E1 & Head Forest Health Division KFRI, Peechi, Thrissur	12.325 Ongoing
28.	Dr. Sreeja Purushothaman Division of Cancer Research, RCC, Trivandrum	Invito assessment of the anticancer property of Amalaki Rasayanam in triple Negative Breast Cancer and Delineation of its molecular mechanism of Action	Cancer Biology	13.07.2017 to 12.07.2020 Post-Doctoral Fellowship	Lakshmi S, Ph.D. Associate Professor, Laboratory of Molecular Medicine, Division of Cancer Research, RCC, Trivandrum	24.572 Ongoing
29.	Dr. Sunitha S.S Centre for Evolutionary and Integrative Biology, University of Kerala, Kariyavattom	Role of Mitochondrial K-ATP channel in neuroprotection in Parkinson's disease model and its therapeutic response to the plant, Withania somnifera and Morus alba	Neurobiology	26.04.2018 to 25.04.2021 Post-Doctoral Fellowship	Dr. Benno Pereira F.G Assistant professor, Dept. of Zoology, Kariyavattom, Thiruvananthapuram	24.212 Ongoing
30.	Dr. Sapna K Department of Marine Biology, Microbiology, Biochemistry, CUSAT	Isolation and functional analysis of protease inhibitors from mangroves in Kerala for therapeutic applications	Biotechnolog y	02.04.2018 to 01.04.2021 Post-Doctoral Fellowship	Dr.A.A. Mohamed Hatha Professor, Department of Marine Biology, Microbiology, Biochemistry, CUSAT	21.572 Ongoing
31.	Dr. Vineetha V.P Dept. of Biochemistry, School of Ocean Science and Technology, KUFOS, Kochi	The implications of Tinospora cordifolia in circumventing the oxidative stress on fish induced by nano-TiO2	Nanotoxicity	22.01.2018 to 21.01.2021 Post-Doctoral Fellowship	Dr. Preetham Elumalai., Assistant Professor, Department of Biochemistry, School of Ocean Science and Technology, KUFOS	22.672 Ongoing
32.	Dr. Vidya P Dept. of Zoology, University of Calicut	Diversity and bio activity studies of yeasts from the mangroves of Kerala's coast with potential industrial applications	Microbiology & Molecular biology	21.03.2018 to 20.03.2021 Post-Doctoral Fellowship	Dr. Sebastian C. D Assistant Professor Dept. of Zoology, University of Calicut	21.072 Ongoing

2. Newly sanctioned Projects

Sl. No	Name/ Research Center	Title of the Project	Area of research	Type of fellowship	Scientist Mentor	Proj.cost - (laks)
33.	Smt. Kala S Research Scholar Division of Electronics, School of Engineering, CUSAT	Design, Modeling and Implementation of Convolutional Neural Networks	Electronics and Communicatio n Engineering	20.12.2018 to 19.12.2021 Research Fellowship	Dr. Babita Roslind Jose Associate Professor Division of Electronics, School of Engineering, CUSAT	09.708

34.	Smt. Arya Krishnan Research Scholar CS & IT, IITM-K, Techno park campus, Trivandrum	Finger Vein Based User Authentication	Biometrics	23.01.2019 to 22.01.2022 Research Fellowship	Dr. Tony Thomas Assistant Professor, CS&IT, IITMK Technopark campus, Kazhakkuttom, Trivandrum	09.708
35.	Dr. Gincy Marina Mathew Microbial Process & Technology Division CSIR-NIIST, Trivandrum	Prawn shell waste management and valorization by biotechnological conversion to chitin and other value added products	Microbial conversion of waste to value added Products	07.02.2019 to 06.02.2022 Post-Doctoral Fellowship	Dr. Rajevee Kumar Sukumaran Senior Scientist and Head, Bio fuels and Bio-refineries Section, Microbial Process & Technology Division, NIIST, Trivandrum	14.172
36.	Dr. B Aswathy Material Science & Technology Division, CSIR-NIIST, Trivandrum	TEMPO-Oxidized Nanocellulose-mediated Au@Ag Core-Shell Nanostructures for the Detection of Trace Level Food Adulterants Using SERS Method	Chemistry	13.12.2018 to 12.12.2021 Post-Doctoral Fellowship	Dr. Saju Pillai Scientist, Material Science & Technology Division, NIIST, Trivandrum-695019	14.172
37.	Dr. Preetha G Nair Department of Marine Biology, Microbiology & Biochemistry, School of Marine Sciences, CUSAT	Fragilaria Oceanica: Is it a true indicator of high Indian Oil Sardine stock along the southwest (Kerala) coast of India	Fishery oceanography	20/01/2019 to 19/01/2022 Post-Doctoral Fellowship	Dr. Mohammed Hatha Professor, School of Marine Sciences, CUSAT	14.172
38.	Dr. Resmi P Dept. of fishery Hydrography, KUFOS, Kochi	Isolation and characterization of alkaloids from the mangrove plants of Rhizoporaceae family and investigations on their anti-bacterial and anti- diabetic activities	Oceanography	24.01.2019 to 23.01.2022 Post-Doctoral Fellowship	Dr. Anu Gopinath Assistant professor (Chemical oceanography) Dept. of fishery Hydrography, KUFOS	14.172
39.	Dr. Roshni K Dept. of Aquatic Environment Management, KUFOS, Kochi	Risk assessment and impacts of aquaculture species on native fish diversity in the down stream and upstream areas of Mullaperiyar Reservoir, Periyar River, Kerala	Fisheries Science	01.02.2019 to 31.01.2022 Post-Doctoral Fellowship	Dr. Ranjeet K Associate Professor, Department of Aquatic Environment Management, KUFOS, Panangad, Kochi	14.172
40.	Smt. Dhanusha S S Research Scholar Divn. of Microbiology, JNTBGRI, Trivandrum	Molecular phylogeny of Meliolaceous fungi of Kerala	Biotechnology	17.12.2018 to 16.12.2021 Research Fellowship	Dr. N. S. Pradeep Senior Scientist Division of Microbiology, JNTBGRI, Trivandrum	09.708
41.	Smt. Archana T M Research Scholar Dept. of Chemistry, , Kannur University	Development of Biopolymeric Nano- antidiabetic drug	Biochemistry	01.02.2019 to 31.01.2022 Research Fellowship	Dr. S Sudheesh Assistant Professor School of Chemical Sciences, Kannur University	09.708
42.	Dr. Sujitha Mary Marine Biotechnology Division, CMFRI, KOCHI	Biomarkers for environmental pollution: Development of genomic biomarkers using <i>Perna indica (Perna Perna)</i> as model species	Bioinformatics	16.01.2019 to 15.01.2022 Post-Doctoral Fellowship	Dr. Sandhya Sukumaran Senior Scientist Marine Biotechnology Division, CMFRI	14.172
43.	Dr. Raji S Nair Division of Crop Utilization, CTCRI, Trivandrum	Chlorophyll fluorescence kinetics and monitoring of photochemical efficiency in cassava (<i>Manihot esculenta</i> Crantz) genotypes for energy efficient cassava	Plant Physiology	18.02.2019 to 17.02.2022 Post-Doctoral Fellowship	Dr. Saravanan Raju Senior Scientist Division of Crop Utilization, ICAR-CTCRI, Trivandrum	14.172