

Back to Lab Project: 2016-17

1.	Projects continued from previous year	-	22
2.	Newly sanctioned Projects	-	14
3.	Total - ongoing	-	36
4.	Completed during the year	-	7

1. Projects continued from previous year

Sl. No	Name/ Research Center	Title of the Project	Broad Subject area	Project Duration	Scientist Mentor	Project cost (Rs.)/ Status
1.	Dr. Thulasi G. Pillai Forest Ecology & Biodiversity Conservation Division, KFRI , Thrissur	Isolation and Characterization of Fungal Endophytes from Certain Medicinal Plants and RET species in Western ghats and their Therapeutic Potentials	Applied Science/ Fungal Endophytes	30/10/2012 to 08/04/2016	Dr. R. Jayaraj Scientist B Forest Ecology & Biodiversity Conservation Division Kerala Forest Research Institute, Peechi Post, Thrissur	6,28,210 Completed
2.	Dr. Sreeja Purushothaman SCTIMST, Trivandrum	Mitochondria Specific anti-oxidant: Target for the reversal of metabolic remodeling and Prevention of Cardiac Hypertrophy	Medical Science/ Cardiac Biology	18/12/2012 to 15/12/2016	Dr. R. Renuka Nair Scientist G Division of Cellular & Molecular Cardiology SCTIMST, Trivandrum	14,46,827 Completed
3.	Smt. Hima V.M. Dept. of Plant Pathology Kerala Agricultural University, Vellanikkara, Thrissur	Enhancing bioefficacy of trichoderma spp. for the management of soil borne fungal pathogens	Agriculture/ Plant Pathology & Mycology	10/05/2013 to 09/05/2016	Dr. S. Beena Professor Dept. of Plant Pathology Kerala Agricultural University, Vellanikkara, Thrissur	17,39,342 Completed
4.	Dr. Sandhya V. Sathesh Dept. of Chemistry, University of Kerala, Thiruvananthapuram	Synthesis of diphenolic bis-2aminothiazoles as novel antioxidants	Basic/Applied Science/ Organic Chemistry	16/04/2013 to 15/04/2016	Dr. T.S. Anirudhan Professor & Head Dept. of Chemistry, University of Kerala, Trivandrum	14,16,000 Completed
5.	Smt. Sreebha A.B. Dept. of Physics, University of Kerala, Thiruvananthapuram	Development of Holographic Lens to use in conjunction with solar cells	Basic/Applied Science/ Photonics	25/04/2013 to 24/04/2016	Dr. V.P Mahadevan Pillai Professor & Head Dept. of Optoelectronics, University of Kerala, Trivandrum	15,10,704 Completed
6.	Smt. Jaya T P Dept. of Physics, Calicut University	Studies on multicomponent transparent conducting oxide thin films for device applications	Basic/Applied Science/ Material Science	12/12/2013 to 11/12/2016	Dr. P.P Pradyumnan Associate Professor Department of Physics, University of Calicut	14,11,846 Completed

7	Smt. Rajani Jacob Union Christian College, Aluva	Fabrication and characterization of hetero junction solar cells: FTO/ n-silver indium gallium selenide / p- silver indium selenide / metal (In or Al)	Basic/Applied Science/ Material Science	07/03/2014 to 06/03/2017	Dr. Rachel Reena Philip Assistant Professor Dept. of Physics, Union Christian College, Aluva	12,92,851 Completed
8	Smt. Nimmy John V. National Institute of Technology, Calicut	Flexible Nanomaterial Doped Polymer Dispersed Liquid Crystal (PDLC) Devices for Switchable Window Applications	Applied Science/ Nanotechnology & Liquid Crystal display	01/10/2013 to 31/03/2017	Dr. N. Sandhyarani Associate Professor School of Nano Science and Technology, NIT Calicut	15,96,000 Ongoing
9	Smt. Sreeja R Dept. of Environmental Science, Matma Gandhi University, Kottayam	Evolution of Karamana River Basin and its Implications on Hydrogeology: A Geomatics approach using Morphometric Analysis	Basic/Applied Science/ Geology	23/12/2013 to 22/12/2016	Dr. Mahesh Mohan Assistant Professor School of Environmental Sciences, M G University, Kottayam	15,96,000 Ongoing
10	Dr. Manju Mary Joseph Dept. of Marine Science, CUSAT	Assessment of Biodiesel Application Potential of Microalgae collected from the Backwaters of Kerala	Basic/Applied Science/ Environmental Chemistry	26/10/2013 to 25/10/2016	Dr. S. Muraleedharan Nair Department of Chemical Oceanography, School of Marine Sciences, CUSAT	13,96,000 Ongoing
11	Smt. Divya Balakrishnan JNTBGRI Thiruvananthapuram	Molecular analysis of the α amylase production in Streptomyces griseus (MTCC 3756) and development of a low cost maltose processing technology	Basic/Applied Science/ Microbial Biotechnology	03/03/2014 to 02/03/2017	Dr. Shiburaj S. Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	15,96,000 Ongoing
12	Smt. Neethi Raj P Dept. of Biotechnology, Matma 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 14/09/2017	Dr. Anie Y. Assistant Professor School of Biosciences, M G University, Kottayam	13,00,000 Ongoing
13	Smt. Aswathy LS Dept. of Biochemistry, University of Kerala, Trivandrum	Scientific Validation of Kashayams used in Rheumatoid Arthritis (RA)	Basic/Applied Science/ Biochemistry	02/03/2015 to 01/03/2018	Dr. A. Helen Associate Professor Department of Biochemistry, University of Kerala, Trivandrum	26,00,000 Ongoing
14	Smt. Dhanya Balan A.P. 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 08/02/2018	Dr. Pushpaletta P. Assistant Professor Department of Chemistry, Government College, Kasaragod	29,82,000 Ongoing
15	Smt. Prasannakumari K. 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	Dr. Deepa S. Department of Physics, Mar Athanasius College, Kothamangalam	12,35,000 Ongoing
16	Smt. Krishna R. Prasad National Centre for Earth Science Studies, Akkulam, Trivandrum	Wetland studies of Akathumuri Anchuthengu Kadinankulam estuarine system, south west coast of India	Basic/Applied Science/ Geology	04/03/2015 to 03/03/2018	Dr. Reji Srinivas Scientist B Division of Marine Science National Centre for Earth Science Studies, Akkulam, Trivandrum	23,10,000 Ongoing

17	Smt. Shiny R. ICAR-CTCRI, Sreekariyam, TVM	“Climate smart natural resource management of Cassava (Manihot esculenta Crantz) using geo-informatics tools”	Applied Science/ Environmental Science	04.09.2015 to 03.09.2018	Dr. G. Byju Principal Scientist Crop Production Division, ICAR-CTCRI Sreekariyam, Thiruvananthapuram	19,85,000 Ongoing
18	Smt. Lekshmi K. Edison Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	Production and characterization of β -glucanase from Streptomyces sp.	Basic/Applied Science/ Microbial Biotechnology	01.12.2015 to 30.11.2018	Dr. N. S. Pradeep Senior Scientist & Head Division of Microbiology Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	16,60,000 Ongoing
19	Smt. Sheetal Sivankutty 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 31.12.2018	Dr. Jayachandran K. Associate Professor School of Biosciences, M.G. University, Kottayam	10,72,400 Ongoing
20	Smt. Shahina N.K. Department of Botany, St. Albert's College, Ernakulam	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	Dr. K. Madhusudhanan Assistant Professor Department of Botany, St. Albert's College, Ernakulam	14,80,000 Ongoing
21	Smt. Priya Bhaskaran K.P. 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	Dr. Sebastian C. D. Assistant Professor Department of Zoology, University of Calicut, Malappuram	14,65,000 Ongoing
22	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 16.03.2019	Dr. M.R.Bindu Associate Professor Dept.of Plant Breeding Onattukara Regional Agricultural Research Station, Kayamkulam, Alappuzha	23,68,000 Ongoing

2. Newly sanctioned Projects

Sl. No	Name/ Research Center	Title of the Project		Project Duration	Scientist Mentor	Project cost (Rs.)/ status
1.	Smt. Saritha. C School of Chemical Science Payannur Campus, 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	Dr. K.R. Haridas Professor School of Chemical Science , Kannur University	17,33,000
2.	Smt. Indu Susan Raj 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”,	Engineerin g/ Civil Engineerin g	17.01.2017 to 16.01.2020	Dr. Elson John Professor Dept. of Civil Engineering M.A College, Kothamangalam	20,06,830

3.	Smt. Praseetha R Nair 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	09.01.2017 to 08.01.2020	Dr. Sailaja G. S Associate Professor Dept. of Polymer Science and Rubber Technology, CUSAT	20,07,655
4	Dr. Sini Anoop 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	Dr. Razia Beevi Associate Professor MES Ponnani-Malappuram	23,42,200
5	Dr. Viji A R Dept. of Botany, University College, TVM	“Systematic studies of the family Cyperaceae in Southern Western Ghats”	Basic/ Applied Science/ Botany	20.12.2016 to 19.12.2019	Dr. T. S. Preetha Assistant Professor Dept. of Botany University College, TVM	23,17,200
6	Smt. Keerthy Vijayan Forest Health Division KFRI	Tracking the invasion of achatia fulica and its role in spreading the rat lungworm.	Basic/ Applied Science/ Biotechnology	15.12.2016 to 14.12.2019	Dr. T.V Sajeev Scientist E1 & Head Forest Health Division KFRI	20,08,000
7	Smt. Jisha K 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	Dr. Maya C Nair Assistant Professor & Head Dept. of Botany Govt. Victoria College, Palakkad	18,53,400
8	Dr. Reji Division of Microbiology JNTBGRI Palode, TVM	Biotransformation of saponins to diosgenin for enhanced yield from Dioscorea sp using indigenous fungal strains	Basic/ Applied Science/ Biotechnology	15.03.2017 to 14.03.2020	Dr. N. S.Pradeep Senior Scientist & Head Division of Microbiology JNTBGRI Palode, TVM	22,87,200
9	Dr. Bindu. K .Jose 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	Dr. Anoop Elaveetil Vasu, Associate Professor and Head, Dept. of Wood Science, College of Forestry, KAU, Vellanikkara, Thrissur	20,97,200
10	Smt. Krishna Priya M G Department of Civil Engineering M.A College of Engineering, Kothamangalam	Activity based travel demand modeling integrating residential location Characteristics	Engineerin g/ Transportat ion Planing/ Civil Engineerin g	27.03.2017 to 26.03.2019	Prof. Bybin Paul Assistant Professor, Department of Civil Engineering, MA College of Engineering, Kothamangalam	9,53,000
11	Smt. Rajeena. U Dept. Chemistry, SNGS College Pattambi, Palakkad	Development of fluorographene-based electrochemical sensors for small biomolecules	Basic/ Applied Science/ Chemistry/ Electroche mical Sensor	23.03.2017 to 22.03.2020	Dr. Resmi M.R Assistant Professor Dept. Chemistry, SNGS College Pattambi, Palakkad	15,80,000
12	Smt. Jennath IIITM-K, Techno Park, TVM	Distributed Intelligence in Internet of Things	Engineerin g/ Artificial Intelligenc e	27.03.2017 to 26.03.2020	Dr. Asharaf S Associate Professor IIITM-K Technopark, TVM	14,93,000
13	Smt. Lekshmi K R IIITM-K, Techno Park, TVM	An Assistive communication technology for divyaang.	Basic/ Applied Science/	27.03.2017 to 26.03.2020	Dr. Elizabeth Sherly Professor IIITM-K Technopark	11,48,000

			Speech Recognition	0	Campus, TVM	
14	Dr. Vidhya Raj Department of Chemistry, Govt. College for Women, TVM	Heparin Gold Nanoparticles for Colorimetric Detection of Cardiac Troponin I	Basic/ Applied Science/ Chemistry	15.03.2017 to 14.03.2020	Dr. Saji Alex Assistant Professor Department of Chemistry, Govt. College for Women, TVM	23,82,200