

## Back to Lab Project: 2015-16

1.	Projects continued from previous year	-	18
2.	Newly sanctioned Projects	-	6
3.	Total - ongoing	-	24
4.	Completed during the year	-	2

### 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.	<b>Smt. Jesitha K. A</b> Water Quality Division, CWRDM Kozhikode	Study on the Persistence of Endosulphan and its Degradation by Biotic and Abiotic Factors	Applied Science/ Environmental Chemistry	24/12/2012 to 25/02/2016	<b>Dr. P. S. Harikumar</b> Scientist E2 & Head Water Quality Division CWRDM, Kozhikode	12,19,118 <b>Completed</b>
2.	<b>Smt. Priji Prakasan</b> Dept. of Botany, University of Calicut Malappuram	Production and characterization of industrially significant biomolecules from Candida tropicalis	Basic/Applied Science/ Industrial Biotechnology	01/04/2013 to 31/03/2016	<b>Dr. Sailas Benjamin</b> Professor Biotechnology Division Department of Botany, University of Calicut	16,17,102 <b>Completed</b>
3.	<b>Dr. Thulasi G. Pillai</b> 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	<b>Dr. R. Jayaraj</b> Scientist B Forest Ecology & Biodiversity Conservation Division Kerala Forest Research Institute, Peechi Post, Thrissur	16,28,210  Ongoing
4.	<b>Dr. Sreeja Purushothaman</b> 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	<b>Dr. R. Renuka Nair</b> Scientist G Division of Cellular & Molecular Cardiology SCTIMST, Trivandrum	14,00,000 Ongoing
5.	<b>Smt. Hima V.M.</b> 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	<b>Dr. S. Beena</b> Professor Dept. of Plant Pathology Kerala Agricultural University, Vellanikkara, Thrissur	14,56,000  Ongoing
6.	<b>Dr. Sandhya V. Satheesh</b> 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	<b>Dr. T.S. Anirudhan</b> Professor & Head Dept. of Chemistry, University of Kerala, Trivandrum	14,16,000 Ongoing
7.	<b>Smt. Sreebha A.B.</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	<b>Dr. V.P Mahadevan Pillai</b> Professor & Head Dept.ofOptoelectronics, University of Kerala, Trivandrum	15,00,000  Ongoing

8.	<b>Smt. Nimmy John V.</b> 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	<b>Dr. N. Sandhyarani</b> Associate Professor School of Nano Science and Technology, NIT Calicut	15,96,000  Ongoing
9	<b>Smt. Jaya T P</b> 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	<b>Dr. P.P Pradyumnan</b> Associate Professor Department of Physics, University of Calicut	15,96,000  Ongoing
10	<b>Smt. Sreeja R</b> 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	<b>Dr. Mahesh Mohan</b> Assistant Professor School of Environmental Sciences, M G University, Kottayam	15,96,000  Ongoing
11	<b>Dr. Manju Mary Joseph</b> 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	<b>Dr. S. Muraleedharan Nair</b> Department of Chemical Oceanography, School of Marine Sciences, CUSAT	13,96,000  Ongoing
12	<b>Smt. Neethi Raj P</b> 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	<b>Dr. Anie Y.</b> Assistant Professor School of Biosciences, M G University, Kottayam	13,00,000  Ongoing
13	<b>Smt. Divya Balakrishnan</b>  JNTBGRI Thiruvananthapuram	Molecular analysis of the $\alpha$ 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	<b>Dr. Shiburaj S.</b> Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	15,96,000  Ongoing
14	<b>Smt. Rajani Jacob</b>  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	<b>Dr. Rachel Reena Philip</b> Assistant Professor Dept. of Physics, Union Christian College, Aluva	16,00,000  Ongoing
15	<b>Smt. Aswathy I.S</b> 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	<b>Dr. A. Helen</b> Associate Professor Department of Biochemistry, University of Kerala, Trivandrum	26,00,000  Ongoing
16	<b>Smt. Dhanya Balan A.P.</b>  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	<b>Dr. Pushpaaletha P.</b> Assistant Professor Department of Chemistry, Government College, Kasaragod	29,82,000  Ongoing
17	<b>Smt. Prasannakumari K.</b> 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	<b>Dr. Deepa S.</b> Department of Physics, Mar Athanasius College, Kothamangalam	12,35,000  Ongoing

18	<b>Smt. Krishna R. Prasad</b> National Centre for Earth Science Studies, Akkulam, Trivandrum	Wetland studies of Akathumuri Anchuthengu Kadinamkulam estuarine system, south west coast of India	Basic/Applied Science/ Geology	04/03/2015 to 03/03/2018	<b>Dr. Reji Srinivas</b> Scientist B Division of Marine Science National Centre for Earth Science Studies, Akkulam, Trivandrum	23,10,000  Ongoing
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## 2. Newly sanctioned Projects

Sl. No	Name/ Research Center	Title of the Project	Broad Subject area	Project Duration	Scientist Mentor	Project cost (Rs)/ Status
1.	<b>Smt. Shiny R.</b> ICAR-CTCRI, Sreekariyam, TVM	“Climate smart natural resource management of Cassava ( <i>Manihot esculenta</i> Crantz) using geo-informatics tools”	Applied Science/ Environmental Science	04.09.2015 to 03.09.2018	<b>Dr. G. Byju</b> Principal Scientist Crop Production Division, ICAR-CTCRI, Sreekariyam, Thiruvananthapuram	19,85,000
2.	<b>Smt. Lekshmi K. Edison</b> Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	Production and characterization of $\beta$ -glucanase from <i>Streptomyces</i> sp.	Basic/Applied Science/ Microbial Biotechnology	01.12.2015 to 30.11.2018	<b>Dr. N. S. Pradeep</b> Senior Scientist & Head Division of Microbiology Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Trivandrum	16,60,000
3.	<b>Smt. Sheetal Sivankutty</b> 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	<b>Dr. Jayachandran K.</b> Associate Professor School of Biosciences, M.G. University, Kottayam	10,72,400
4	<b>Smt. Shahina N.K.</b> 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	<b>Dr. K. Madhusudhanan</b> Assistant Professor Department of Botany, St. Albert's College, Ernakulam	14,80,000
5	<b>Smt. Priya Bhaskaran K.P.</b> 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	<b>Dr. Sebastian C. D.</b> Assistant Professor Department of Zoology, University of Calicut, Malappuram	14,65,000
6	<b>Dr. Resmi J.</b> 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	<b>Dr. M.R.Bindu</b> Associate Professor Dept. of Plant Breeding Onattukara Regional Agricultural Research Station, Kayamkulam, Alappuzha	23,68,000