

## Back to Lab Projects : 2013-14

1. Projects continued from previous year	-	9
2. Newly sanctioned Projects	-	7
3. Total - ongoing	-	16
4. Completed during the year	-	1

### 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>Dr. Manju C. Nair (PDF)</b> Malabar Botanical Garden, Calicut	Systematic studies on Bryophytes of Northern Western Ghats in Kerala	Applied Basic Science/ Bryophytes Taxonomy	15/10/2010 to 14/10/2013	<b>Dr. R. Prakashkumar</b> Managing Director Malabar Botanical Garden, Calicut	11,33,359 <b>Completed</b>
2.	<b>Smt. Preeta Liz Korah</b> Kerala Agriculture University, Rice Research Station, Ernakulam	Mericlone of Phalaenopsis and Vanda Hybrids	Agriculture/ Veterinary Genetics & Plant Breeding	02/02/2012 to 01/02/2015	<b>Dr. Shylaraj. K. S.</b> Professor Rice Research Station, Vyttila, Ernakulam	14,61,000 Ongoing
3	<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	13,74,910 Ongoing
4	<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 29/01/2016	<b>Dr. R. Jayaraj</b> Scientist B Forest Ecology & Biodiversity Conservation Division Kerala Forest Research Institute, Peechi Post, Thrissur	14,42,000 Ongoing
5	<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
6	<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
7	<b>Dr. Sandhya V. Sathesh</b> Dept. of Chemistry, University of Kerala, Thiruvananthapuram	Synthesis of diphenolic bis-2-aminothiazoles 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

8	<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. of Optoelectronics, University of Kerala, Trivandrum	15,00,000  Ongoing
9	<b>Ms. 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	15,97,000  Ongoing

## 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. 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
2	<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
3	<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
4	<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
5	<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

6	<b>Smt. Divya Balakrishnan</b> Jawaharlal Nehru Tropic Botanic Garden and Research Institute, Thiruvananthapuram	Molecular analysis of the $\alpha$ amylase production in <i>Streptomyces griseus</i> (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
7	<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