

List of FRG Project Proposals – 2010 - I

Sl. No	Name of faculty	Department	Project Title	Amount	Status
1	FRG10/0101 Dr.K.Krishnamurthy	CED	Black Spots Identification and Improvement Measures on NH-212 and NH-213 in Kerala	4,65,000/-	
2	FRG10/0102 Dr.Vinu Palissery	CED	Applications of In vitro Biomechanical Models as Performance Evaluation tools	4,60,000/-	
3	FRG10/0103 Dr.Kodi.Ranga Swami	CED	Non-linear dynamic analysis of Soil-Structure interaction	3,82,000/-	
4	FRG10/0104 Kumaravel S	EED	Development of Novel Power Conditioner for Hybrid energy systems	5,00,000/-	
5	FRG10/0107 Dr.Rajanikanth.G.K	SBT	In silico Design and Development of Novel Antagonists of Cholesterol Metabolic Pathway	5,00,000/-	
6	FRG10/0108 Dr.Md.Anaul Kabir	SBT	Understanding the fluconazole resistance in human fungal pathogen Candida Albicans.	5,00,000/-	
7	FRG10/0109 Dr.K.Rathinasamy	SBT	Rational combination of natural polyphenols with other cytotoxic agents to enhance cancer cell death with decreased toxicity. A novel strategy for cancer chemotherapy.	5,00,000/-	
8	FRG10/0111 A.Santhyagu	SBT	Production and Characterization of a nuclease from soil bacteria as a target for cystic fibrosis mucolytic therapy	5,00,000/-	
9	FRG10/0112 Dr.R.Aswati Nair	SBT	Elicitor identification from Pythium aphanidermatum, a causative agent of soft rot disease and antifungal mechanism of the sesquiterpene, Zerumbone	5,00,000/-	
10	FRG10/0113 Dr.Suchithra.T.V	SBT	Oxidative stress in diabetes mellitus patients in relation with myeloperoxidase activity and antioxidant status	5,00,000/-	
11	FRG10/0114 Vari Sivaji Reddy	Physics	Optoelectronic Properties of Organic Light Emitting Diodes	5,00,000/-	
12	FRG10/0115 M.K.Ravi Varma	Physics	Atmospheric Trace Gas Monitoring in the Presence of Aerosol Interference	5,00,000/-	
13	Lakshmi C FRG10/0116	Chemistry	Design and Synthesis of Spiropyran-Based Size Tunable Ionophores-Modular Systems for Ion-transport Sensing and Antimicrobial Applications	5,00,000/-	

List of FRG Project Proposals – 2010 - II

Sl. No	Name of faculty	Department	Project Title	Amount	Status
1	FRG10-11/0101 Dr.S.Bhuvaneswari	Chemical	Development and Characterization of Biodegradable Chitosan Films	5,00,000/-	
2	FRG10-11/0102	Chemical	Micro Fluidics	5,00,000/-	

	Dr.N.Selvaraju				
3	FRG10-11/0103 Dr.C.Arunkumar	Chemistry	Structural characterization and Properties of Meso-phenyl and B-pyrrole Functionalized Porphynn Metal Organic Frameworks.	5,00,000/-	
4	FRG10-11/0104 Dr.Parameswaran Pattiyil	Chemistry	Activation of Inert Molecules and Oligomerization Reactions of Alkynes by Uranium Complexes: A Quantum Mechanical Investigation	5,00,000/-	
5	FRG10-11/0105 Dr.Suni Vasudevan	Chemistry	Development of Gold Complexes of Polypyridyl Ligands as Active Antiproliferative Agents	5,00,000/-	
6	FRG10-11/0109 Sri.Ameer.P.M	ECED	Underwater Localization	5,00,000/-	
7	FRG10-11/0110 Sri.Jayakumar.E.P	ECED	VLSI Architecture for DSP Application (ID Signals)	5,00,000/-	
8	FRG10-11/0111 Dr.Rama Kumaragiri	ECED	Power Semiconductor Devices	4,68,000/-	
9	FRG10-11/0112 Sri.Sudhish.N. George	ECED	Encryption and Authentication of Multimedia Data	4,46,000/-	
10	FRG10-11/0107 Dr.Mukthi Barai	EED	A Closed Loop Control Strategy for Selective Harmonic Detection and Elimination for Generic Multi-level Inverter Configuration for Medium and High Voltage Applications.	5,00,000/-	
11	FRG10-11/0108 Dr. Sindhu.T.K	EED	Nano Composite insulators	5,00,000/-	
12	FRG10-11/0113 Dr. Sunil Mathew	Mathematics	Applications of Partial Cut sets in Graph Networks	5,00,000/-	
13	FRG10-11/0114 Dr. Arun.P	MED	Multi-objective Design of Hybrid Energy systems	5,00,000/-	
14	FRG10-11/0116 Sri.P.V.Manu	MED	Performance Analysis of Internal Combustion Engine using Cleaner alternate Fuels such as Electrolytic Hydrogen and Feasibility Study & Economic Analysis of Practical Implementation of Water Electrolytic system in the new Generation Vehicles.	5,00,000/-	
15	FRG10-11/0117 Sri. Rohini Kumar .B	MED	Thermal Science-Solar Energy	5,00,000/-	
16	FRG10-11/0118 Sri. Santhakumar Mohan	MED	Underwater Robotics	5,00,000/-	
17	FRG10-11/0119 Sri. K.Sekar	MED	Aluminium alloy casting	5,00,000/-	
18	FRG10-11/0120 Sri.Sreenath.A.M	MED	Multi Scale Modeling and Experimental Validation of the Tensile Properties of Carbon Nano Tube reinforced Composites.	5,00,000/-	
19	FRG10-11/0123 Sri.Vinay.V.Panicker	MED	Development and Analysis of a fixed Charge Transportation Model for a Multi-echelon supply Chain	4,95,000/-	

20	FRG10-11/0124 Sri.Malladi.v.Pavan Kumar	Chemical	Reactive adsorption of Ammonia over activated Carbons derived from Coconut Shells.	5,00,000/-	
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List of FRG Project Proposals – 2011-12					
Sl. No	Name of faculty	Department	Project Title	Amount	Status
1	FRG11-12/0102 Mr. M. Sivakumar	CED	Behaviour of Bituminous Mixture under Moisture and Adverse Temperature Conditions	4,80,000/-	
2	FRG11-12/0103 Dr. S. Mathava Kumar	CED	Poultry Waste Water Treatment by the Combination of Zero-Valent Iron and Photo-Fenton Treatment	5,00,000/-	
3	FRG11-12/0104 Mr. Vineesh Ravi	Chemical	Direct Methanol Fuel Cell Modeling and Simulation	5,00,000/-	
4	FRG11-12/0105 Mr. K. Hari Babu	Chemical	Abatement of Organic Pollutants	5,00,000/-	
5	FRG11-12/0106 Dr. A. Ramesh	MED	Humanitarian Supply Chain Management	5,00,000/-	
6	FRG11-12/0107 Dr. T. J. Sarvothama Jothi	MED	Experimental Investigation on Noise Emission from Jet Flows	5,00,000/-	
7	FRG11-12/0108 Dr. Mahesh Kumar	Mathematics	Bayesian Reliability Estimation, Prediction and Test Plans for Multi-Component Systems	5,00,000/-	
8	FRG11-12/0109 Dr. Aji A. Anappara	Physics	Linear and Non-linear Optical Properties of Graphene	5,00,000/-	
List of FRG Project Proposals – 2012-13					
Sl. No	Name of faculty	Department	Project Title	Amount	Status
1	Dr. P. K. Madhavan Unni	Physics	Quadruple Critical Point (QCP) in the ternary system MEK + W + sBA	5,00,000/-	
2	Ms. Suja K. J.	ECED	Designing and simulation of MEMS based pressure sensor for environment monitoring.	5,00,000/-	
3	Dr. Praveen Sankaran	ECED	Biometrics – Driver Distraction Analysis using Face Pose Cues	5,00,000/-	
4	Dr. Aparna K	Chemical	Microwave Assisted Biodiesel Production with Homogeneous and Heterogeneous Catalysts	5,00,000/-	
5	Mr. Gangadhara Kiran Kumar L	MED	Heating Ventilation and Air Conditioning of Buildings with emphasis on passive technologies.	5,00,000/-	
6	Dr. Ashish Awasthi	Mathematics	Higher Order Numerical Methods for Singularly Perturbed Differential Equations	5,00,000/-	