

Government of Karnataka
Vision Group on Science and Technology
Department of Information Technology, Biotechnology and Science & Technology

SEED MONEY TO YOUNG SCIENTIST FOR RESEARCH (SMYSR)

RECOMMENDED ADDITIONAL LIST OF SMYSR PROPOSALS BY VGST – SUBCOMMITTEE TO RECEIVE VGST GRANTS FOR THE FY 2014-15

SI. No.	NAME OF THE YOUNG SCIENTIST AND DEPARTMENT	NAME & ADDRESS OF THE INSTITUTION/COLLEGE	PROPOSAL TITLE
1	DR. NARAYAN K Electronics and Communication Engineering	Sai Vidya Institute of Technology, Bangalore	Design and Analysis of Integrated MOEMS based Opto – Fluidic Lab – on – a – Chip Device for Sensing Applications
2	DEVARAJA S Biochemistry	Tumkur University, Tumkur	Exploring the cardio – protective efficacy of jacalin – gold nanoparticles conjugates in Myocardial infarction induced rat's model
3	DR. AARTI S Chemistry	NMAM Institute of Technology, Nitte, Karkala Taluk Udupi dist.	NiO nanophosphors : Microwave synthesis, microstructure and photoluminescence
4	DR. HEMALATA V BHUJLE Electronics and Communication Engineering	Shri Dharmasthala Manjunatheshwara College of Engineering and Technology Dhavalagiri, Dharwad	Design, Synthesis and implementation of optimized denoising techniques for effective diagnoses of medical images
5	BHIMARAY S KRISHNAGOUDAR Pharmacovigilance	SDS – Tuberculosis Research Centre Rajivi Gandhi Institute of Chest Diseases, Bangalore	Effect and Determination of Anti – Tuberculosis (TB) regimen containing drug concentration in Human Plasma
6	DR. AVEESH ST Mathematics	ALVA's Institute of Engineering and Technology, Moodbidir	Medical Image Analysis using Riemann and finsler geometry
7	KISHOR UPADHYAYA Centre of Material Science	B.V. Bhoomaraddi College of Engineering and Technology, Vidyanagar, Hubli	Synthesis of Ag and Au-coated III nitride nanostructures for biochemical sensing applications
8	SHUBHASHREE UPPANGALA Clinical Embryology	Kasturba Medical College, Manipal University, Manipal	Metabolomics based non-invasive detection of genetically normal human embryos
9	DR. PARIJATHA RAO Biotechnology	Center for Post Graduate studies, Jain University, Bangalore	Effect of plant derived free radical scavengers on the angiogenic property of Cancer Cells
10	DR. PHANI KUMAR PULLELA Chemistry	CMR Institute of Technology, Bangalore	Material Chemistry support for stabilizing neem limonoids: A near zero cost organic pesticide for rural farmers in Karnataka
11	DR. SWATI ROUTH Physics	Centre for Postgraduate Studies Jain University, Bangalore	Life Information Score: Exploring the Probability of Life and its complexities in Exoplanets: A Novel Computing Model

12	DR. SUMATHRA MANOKARAN Biotechnology	R.V. College of Engineering, Bangalore	Nanoparticle based Immobilization of Bovine Carbonic Anhydrase (BCA) on Poly Urethane Foam for Environmental CO ₂ Sequestration
13	S. SOMASHEKAR Mechanical Engineering	T. John Institute of Technology, Bannerghatta Road, Bangalore	Direct Extrusion compression moulding of long natural fibre reinforced thermoplastic composites and Characterizations
14	DR. SHOUNAK DE Electronics and Communication Engineering	Manipal Institute of Technology, Manipal	Low cost Fabrication of Nanoscale patterns using soft Lithography
15	DR. M. ESWARAMOORTHY Mechanical Engineering	ACS College of Engineering Bangalore	Experimental studies of a Combined solar Photovoltaic Thermoelectric power generator with latent heat effect
16	DR. D. KOTRESHA Biology	KSPL Degree College, Hospet	Evaluation of pCold vector for expression of Toxoplasma gondii antigen
17	DR. RAVINDRA HJ Physics	Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi	Design of Λ - Shape organic molecules for Blue - Green coherent light generation
18	DR. BASAVARAJA HS Pharmaceutical Chemistry	SJM College of Pharmacy, Chitradurga	Synthesis, Characterization of Semi-synthesis derivatives from natural lead compounds
19	DR. MAHABALESHWAR S KAKKASAGERI Electronics and Communication Engineering	Basaveshwar Engineering College, Bagalkot	Design and development of Intelligent routing Algorithms for Vehicular Ad hoc Networks
20	DR. K.L. SANDHYA Physics	M.S. Ramaiah Institute of Technology, Bangalore	LC - Nano composites for optical switch and sensor applications

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