

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM

Parameter			Sponsored Research Projects							
2D.FPPP	S.No.	Dscipline	Financial Year	Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned order no.	Sanctioned date	Amount Received(In Rupees)	Amount received (in words)
	1	Biology	2016-17	1. Sunish K Radhakrishnan	Dept. of Science and Technology	Molecular dissection of the role of intracellular redox in bacterial cell cycle progression and pathogenesis.	DST/SJF/LSA-01/2014-15	7/6/2016	25679600/-	Two crore fifty six lakh seventy nine thousand six hundred
				2. Nisha N Kannan	Wellcome Trust-DBT India Alliance	Wellcome Trust	order awaited			
				3. Satish Khurana	Wellcome Trust-DBT India Alliance	Wellcome Trust	order awaited			
				4. Tapas K. Manna	Dept. of Biotechnology	Determining the role of microtubule plus tip protein in regulation of spindle-kinetochore associated protein complex Ska: the mechanism underlying the stabilization of spindle-kinetochore attachment	BT/PR12514/BRB/10/1352/2014		5913000/-	Fifty nine lakh thirteen thousand
		Biology		5. N. Sadananda Singh	Dept. of Science and Technology	CRISPR/cas9 based whole genome screening for response to drug treatment.	order awaited			
	2	Biology	2015-16	1. Hema Somanathan	Dept. of Science and Technology	Measuring The Impact of Forest Fragmentation pollination services in small agricultural holdings within the western Ghats landscapes	DST/INT/UK/P99/2014	15/04/15	984000/-	Nine Lakh Eighty Four Thousand
				2. Hema Somanathan	Dept. of Biotechnology	A1: Community plant pollinator interactions at the land scape level	BT/PR12720/COE/34/21/2015	14/05/15	For IISER-Tvm (for A1 and A2) 9150000/-	Ninty one lakh fifty thousand
				3. Hema Somanathan	Dept. of Biotechnology	A2: Ecology and Conservation of Freshwater swamp ecosystems of the western ghats - Kerala Region	BT/PR12720/COE/34/21/2016	14/05/15		
				4. Kalika Prasad	Dept. of Biotechnology	Functional characterisation of genetic and epigenetic regulatory networks involved in the reproductive development of rice.	BT/PR12394/AGIII/103/891/2014	20/11/2015	17624200/-	One crore seventy six lakhs twenty four thosand two hundred
	3	Biology	2014-15	1. Ravi Maruthachalam	DUPONT, USA	Dupont Young professor grant		2014 to 17	1500000/-	Fifteen Lakhs
				2.Ullasa Kodandaramaiah	Dept. of Biotechnology	Morphometry and phylogeography of honey bees and stingless bees in Idia phase-II	BT/PR7713/NDB/39/261/2013	27/03/2015	27015000/-	Two crore seventy lakh fifteen thousand only
				2. S. Murty Srinivasula CoPI	Dept. of Biotechnology	Nucleic Acid Pi amphiphiles: Luminescent and addressable nanobiomaterials	BT/PR7030/NNT/28/636/2012	4/1/2014	11,900,000	One crore nineteen lakh only

4	Biology	2013-14	1 Ullasa Kodandaramaiah	Dept. of Science and Technology (INSPIRE)	Unraveling higher level phylogenetic relationships of skipper butterflies (Lepidoptera:Hesperiidae), times of divergences and evolution of host plant associations	INT/RUS/RFBR/P-155	30/08/2013	2061020/-	Twenty Lakh sixty one thousand and twenty
			2 Tapas K Manna	Dept. of Aomic Research	Determining the role of centrosome protein TACC3 in regulation of microtubule nuceation and elucidating its molecular mechanisms	2013/37B/68/BRNS/2808	3/1/2014	2486500/-	Twenty four lakh eighty six thousand five hundred
			3 Jishy Varghese	Science and Engineering Research Board	Ramanujan Fellowship	SR/S2/RJN-140/2011	21/06/2013	7300000/-	Seventy three lakhs
			4. Kalika Prasad (Co-PI: S. Murty Srinivasula)	Dept of Biotechnology	Interplay between patterning regulators and polar auxin transport to control lateral organ polariy in Arabidopsis	BT/PR3632/BRB/10/977/2011	18/06/2013	7358400/-	Seventy three lakhs fifty eight thousand four hundred
5	Biology	2012-13	1. Ravi Maruthachalam	Dept. of Biotechnology	Ramalingaswami Re-entry Fellowship - Generation and Characterisation of minichromosomes and neocentromere formation in plants	BT/RLF/Re-entry/02/2011	28/01/2013	7450000/-	Seventy four lakh fifty thousand.
6	Biology	2011-12	1. Nishant K T	Dept. of Biotechnology	Wellcome Trust - Genetic analysis of crossover assurance mechanisms facilitating meiotic chromosome segregation	IA/I/11/2500268	15/03/2012	33031988/-	Three crore thirty lakh thirty one thousand nine hundred eighty eight.
			2. Tapas K. Manna	Dept. of Science and Technology	To determine the molecular mechanisms involved in centrosomal transforming acidic coiled-coil 3 (TACC3) mediated cell cycle progression.	SR/SO/BB-45/2010 (G)	March, 2012	2713000/-	Twenty seven lakh thirteen thousand
7	Biology	2010-11	1. Ramanathan Natesh	Dept. of Biotechnology	Ramalingaswami Fellowship - Structural Analysis of proteins and its interacting parteners	BT/HRD/35/02/19/2009	28/10/2010	7570000/-	Seventy five lakhs seventy thousand
	Biology		2. Sunish K Radhakrishnan	Wellcome Trust-DBT India Alliance	A multilayered approach to decipher uncharted mechanisms of asymmetric cell division	500140/z/09/z	12/1/2011	26761680/-	Two crore sixty seven lakh sixty one thousand six hundred eighty
	Biology		3. Tapas K Manna	Council of Scientific & Industrial Research	Determining the structure-function aspects of microtubule end-binding EB family proteins	CSIR (37/1433/10/EMR-II)	December, 2010	1980000/-	Nineteen lakh eighty thousand
	Biology		4. Hema Somanathan	Council of Scientific & Industrial Research	Ecology and behaviour of group living spiders	37(1470)/11/EMR-11	4/8/2011	434000/-	Four Lakh thirty four thousand
Chemistry	Chemistry		K. George Thomas	Indo-US Science & Technology Forum	Indo-US Science & Technology Forum			1,548,000.00	Fifteen lakhs forty-eight thousand
			Mahesh Hariharan	Kerala State Council for Science, Technology and Environment	Design, Synthesis and Photocatalytic Water Splitting Properties of Functional Cobalt Based Inorganic-Organic Hybrids			4,520,000.00	Forty-five lakhs twenty thousand
			Gokulnath Sabapathi	DST	Design and synthesis of heteroditopic receptors with photo-and electroactive probing units	(IFA12-CH-74)		3,500,000.00	Thirty-five lakhs

1	Chemistry	2015-16	Ajay Venugopal	SERB	Lewis Acidic Molecular Bismuth Alkyls and Hydrides		2,650,000.00	Twenty-six lakhs fifty thousand
			Alagiri Kaliyamoorthy	SERB	N-Heterocyclic Carbene (NHC)-mediated Desymmetrization of meso- Cyclic Anhydrides and Enantioselective Dearomative, Conjugate Borylation Reactions		4,092,000.00	Forty lakhs ninety-two thousand
			Vennapusa Sivaranjana Reddy	SERB	Theoretical investigation on relaxation dynamics of ultrafast generated molecular triplet states		2,326,000.00	Twenty-three lakhs twenty-six thousand
			R. S. Swathi	MHRD under the FAST Program	Quantum Chemical Studies on the Interactions of Molecules and Molecular Clusters with Graphyne and Graphdiyne		40,000,000.00	Four crore
			Rajendar Goreti	RAMANUJAN FELLOWSHIP	Study of 1, 5 - asymmetric induction in addition of chiral enolates to acetal lactones and cyclic acetals: synthesis of Tartrolon D.		3,500,000.00	Thirty-five lakhs
			K. George Thomas, Mahesh Hariharan, Y. Adithya Lakshmanna & R. S. Swathi	DST Nanomission	Dipolar and multipolar interactions in assembled molecules and nanostructures: Developing a general description and its applications.		60,500,000.00	Six crores five lakhs
2	Chemistry	2014-15	K. George Thomas	JC Bose Fellowship	DST - JC Bose Fellowship		6,800,000.00	Sixty eighty lakhs
			K. George Thomas	DST-Indo Japan	Development of Enhanced CPL activeMaterials for Potential Application in Future Security Technology		616,000.00	Six lakhs sixteen thousand
			K. M. Sureshan	SwarnaJayanthiFellowship	Chemical biological intervention in cell signaling		24,232,000.00	Two crores forty-two lakhs thirty-two thousand
			Gokulnath Sabapathi	SERB	Planarization of porphyrin dimer and trimers for Near-IR applications		2,600,000.00	Twenty-six lakhs
			Ramesh Rasappan	SERB	Asymmetric Catalysis: Exploring Organosilanes in Stereospecific and Convergent Reactions		5,500,000.00	Fifty-five lakhs
			Ramesh Rasappan	SERB	Stereoconvergent Cross-Coupling: Asymmetric Synthesis of Boronic Esters and Silanes		3,500,000.00	Thirty-five lakhs
			Ajay Venugopal	CSIR	Cationic Bismuth Complexes in Hydroamination		1,400,000.00	Fourteen lakhs
3	Chemistry	2013-14	Sukhendu Mandal	SERB	Synthesis, Structural Evolution and Physical Properties Tuning of Cluster-Assembled Materials		5,000,000.00	Fifty lakhs
			Ajay Venugopal	DST-INSPIRE	Molecular Magnesium Hydrides: Hydrogen Storage		3,500,000.00	Thirty-five lakhs
4	Chemistry	2012-13	Mahesh Hariharan	Department of Science and Technology	Synthesis, Structure and Electronic Properties of Natural and Non-Natural Nucleic Acid Sequences		2,608,000.00	Twenty-six lakhs eight thousand
			Reji Varghese	DBT	Nucleic acid- $\pi$ amphiphiles: Luminescent and addressable nanobiomaterials	(No. BT/PR7030/NNT/28/636/2012)	12,800,000.00	One crore twenty-eight lakhs

				Sukhendu Mandal	CSIR	Metathesis of Alkanes Using Transition Metal Catalysts			11,00,000	Eleven lakhs
5	Chemistry	2011-12		K. George Thomas	DST - Indo Euro Project	Organic and Organic - inorganic hybrid solar cells: Optimization of materials properties, bulk heterojunction morphology and device efficiencies			5,644,000.00	Fifty-six lakhs forty-four thousand
				Mahesh Hariharan	Department of Biotechnology	Mechanistic Investigations on Light Induced Crosslinking of DNA Protein Nanostructures			5,376,000.00	Fifty-three lakhs seventy-six thousand
				Reji Varghese	Science and Engineering Research Board	DNA Based Addressable Functional Nanomaterials: Design, Synthesis and Selfassembly of Novel DNA-Rigid Rod Block Copolymers			3,500,000.00	Thirty-five lakhs
				Vinesh Vijayan	SERB	Comparative NMR study of structure and dynamics of VDACS, human VDAC1 and rice VDAC4, using segmental isotope labeling technique"			3,600,000.00	Thirty-six lakhs
6	Chemistry	2010-11		K. M. Sureshan	Ramanujan Fellowship	DST - Ramanujan Fellowship			7,300,000.00	Seventy-three lakhs
				K. M. Sureshan	CSIR	Designing New Catalysis for Organic and Bio-Organic Reactions using Nanoparticles			1,460,000.00	Fourteen lakhs sixty thousand
				Mahesh Hariharan	Indo-US Science and Technology Forum	Photoinduced processes in DNA through direct excitation			626,000.00	Six lakhs twenty-six thousand
7	Chemistry	2009-10		K. M. Sureshan	DST - FAST TRACK	Probing Adenophostin Mediated IP3R Activation using Click Chemistry Approach			1,932,000.00	Nineteen lakhs thirty-two thousand
1	Maths	2015-16		1 Saikat Chatterjee	Science and Engineering Research Board, DST, Govt of India	Gerbes and categorical geometry	YSS/2015/001687	08/03/16	Funds not released yet (Approved budget:1334880 INR)	Thirteen lakhs thirty four thousand eight hundred eighty
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2	Maths	2014-15		1 Utpal Manna	National Board of Higher Mathematics (NBHM)	Study of Stochastic Analysis and Control of Certain Hydrodynamic Models	NBHM/R.P.46/2013/Fresh	01/04/14	178500 INR	One lakh seventy eight thousand five hundred
				2 Utpal Manna	The Royal Society (United Kingdom)	Stochastic Landau-Lifshitz-Gilbert Equation with Levy noise and Ferromagnetism	IE140328	01/06/14	1200000 INR	Twelve lakhs
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3	Maths	2013-14		1						
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