

CLOSED PROJECT FINANCIAL YEAR 2017-18

SI No	TITLE	PI	PHONE	EMAIL	DEPT	INST	COST	PDC	DOMAIN LAB
1	Dynamic characterization of model gas turbine combustors for early detection of thermoacoustic instability and lean blow-out	Achintya Mukhopadhyay	033-24146177	amukhopadhyay@mech.jdvu.ac.in	Mechanical Engg.	Jadavpur University	14.95	3	GTRE
2	Evaluation of Corrosion Inhibitors for Carbon Steel in Sea Water.	S Rajendran	9443631628	srmjoany@sify.com	Chemistry	GTN Arts College	4.97	2	NPOL
3	Development of Radar Absorbing Materials Based on Carbon Nanotubes/ NanoFibres and Composites.	ON Srivastava	0542-2368468/ 09415228123	hepons@yahoo.com	Physics	Banaras Hindu University (BHU)	46.00	3	DLJ
4	Preparation of Pre-Formed Yarn to Synthesis Carbon -Carbon Composites	A.O. Surendranathan	08242474059/ 9343570597	nathan@mailhost.nitk.ac.in	Metallurgy and Materials Engg	National Institute of Technology (NIT)	21.78	2	ASL
5	Synthesis, Characterization and Particle Formation Mechanism of Core-shell Nano structures using ultrasonically Initiated Miniemulsion and polymerization.	Navinchandra Gopal Shimpi	0257-2258420/ 09890352716	navin_shimpi@rediffmail.com	Chemical Technology	North Maharashtra University	16.50	3	DMSRDE
6	Friction Stir Welding of Ti/A1 and A1/Mg Dissimilar Metals	Satish V. Kailash	80-2293-2301/ 98450 80657	satvk@mecheng.iisc.ernet.in	Mechanical Engg	IISc Bangalore	218.47	3	DMRL

7	Development of Silicon Carbide Supported Graphene-Polymer Nanocomposites for EMI Shielding Applications.	Suneel Kumar Srivastava	03222/283334	sunit@chem.iitkgp.er net.in	Chemistry	Indian Institute of Technology (IIT Kharagpur)	49.82	3	DMSRDE
8	Generation of Middle Infrared Coherent Radiation by Cascaded Singly Resonant Optical Parametric Oscillation Technique.	Subhasis Das	(0342) 2657800, Extn 32	buphysd@gmail.com	Physics	University of Burdwan	44.00	3	IRDE
9	Synthesis and Characterization of Open Chain Complexes and their Uses as Chemical Sensors.	Kusum Sharma	011-65162003/ 09810667089	ksharma1959@yahoo .com	Applied Chemistry	Maharaja Agrasen Institute of Technology	13.97	2	DRDE
10	Design and Experimentation Validation of Cooling Configuration for an Aero Engine after Burner Liner	B. Premachandran	011-26591128/ 9953935560	prem@mech.iitd.ac.i n	Mechanical Engineering	Indian Institute of Technology (IIT Delhi)	49.72	3	GTRE
11	Assessment of lipids and fat vitamins in the commonly consumed wild edible insects of Meghalaya	Dibyendu Paul	0364-2721157/ 9436732431	pauld97@rediffmail.c om	Environmental	North Eastern Hill University	25.85	3	DFRL

12	Preparation and Characterization of Compatible PVC-Silicon Blends	G.B. Nando	03222-283194	golokb@rtc.iitkgp.ernet.in	Rubber Technology Centre	Indian Institute of Technology (IIT Kharagpur)	24.57	2	DMSRDE
13	Development of Organophosphate Hydrolase (OPH) Nanoparticle Based Formulation for Decontamination of nerve Agents	S Dayananada	040-23134578	"sdsl@uohyd.ernet.in / "	Animal Sciences School of Life	University of Hyderabad	37.45	3	DRDE
14	Investigation of key factors to efficiency improvement in low cost Kesterite (CZTS) Thin Film Solar Cells	Abhijit ray	23275012/ 9408227604	abhijit.ray@sse.pdpu.ac.in	Solar Energy	Pandit Deendayal Petroleum University	33.57	3	SSPL
15	Synthesis of Nano structured adsorbents and study of their adsorption characteristics for the removal of selected metallic pollutants from water and waste water.	Yogesh Chandra Sharma	9935616119	ysharma.apc@itbhu.ac.in	Applied Chemistry	Banaras Hindu University (BHU)	44.57	3	DLJ
16	Effect of Chemical Molecules and Role of Cyto In Cerebral Stroke for Defence Applications	Sunita Tiwari	0522-2257542	sunita_kgmu@yahoo.com	Physiology	Chatrapati Shahuji Maharaj Medical University (CSMMU)	34.17	3	DIPAS

17	An Experimental and Theoretical Investigation on pulsed current Gas Meter Arc welding process with short circuit metal transfer of similar and dissimilar Materials	Amitava De	022-25767509	amit@iitb.ac.in	Mechanical Engg	Indian Institute of Technology (IIT Bombay)	42.73	3	DMRL
18	Development of Super Hard Nanocomposite Nitride Coatings for Erosion and Corrosion Resistance	M. Ghanashayam Krishna	040-23134382	mgksp@uohyd.ernet.in	Physics	University of Hyderabad	67.60	3	DMRL
19	Electronic and Magnetic Properties of Rough Alloyed Surfaces and Interfaces	Biplab Ganguli	0661-2462725	biplag@nitrr.ac.in	Physics	National Institute of Technology (NIT)	23.00	3	DMRL
20	Ontology based Knowledge Management and Semantic Information Retrieval by Construction of Multiple Sub Ontology	Sunitha Abburu	0431-2503466	ksp@nitt.edu	Masters of Computer Applications	Adhiyamaa n College of Engineering	18.75	3	DMIST
21	Synthesis and Development of Novel Oxime Reactivators of Cholinesterases Inhibited by Organo phosphorus Toxicants	Kallol Kumar Ghosh	0771-2263146/ 094252-16204	kallolkghosh@yahoo.com	Chemistry	Pt. Ravishankar Shukla University	40.14	3	DRDL
22	Towards Healthier Meat Products : Development of healthful Meat Based Products and Their Functional and Nutritional Characteristics	V.K. Modi	0821-2514840/ 09740140703	modivk@cftri.res.in	Meat and Polutry Fish Tech. Chemistry Meat and Polutry Fish Tech.	Central Food Technology Research Institute (CFTRI)	48.80	3	DFRL

23	Design, Synthesis , Characterization and Application of Nanoporous Metal- Organic Frameworks	Krishna Srivastava	----	----	Chemistry	Allahabad university	36.28	3	DMSRDE
24	Synthesis and Characterization of Nanosized Powders of BaTi1-xSnO3 System for Multifunctional Applications	Shail Upadhyay	0542-27061919	shail72@yahoo.com	Applied Physics	Banaras Hindu University (BHU)	26.21	3	DMRL
25	Synthesis and Characterization of metal Oxide Nano particles by Physical Vapour Deposition Process for Strategic Applications	Ramesh Chandra	09897031912	rameshfic@iitr.ernet.in	Institute Instrumentation Centre	Indian Institute of Technology (IIT Roorkee)	12.46	2	DRDE
26	Theoretical Investigation on B containing N-Heterocycles as high energy materials	Hari Ji Singh	080-22933030	jaggie@aero.iisc.ernet.in	Chemistry	DDU Gorakhpur University	22.86	3	HEMRL
27	Pentaguinone based Receptors- A Search for New Chemosensors.	Manoj Kumar	0183-2258802-09	mksharmaa@yahoo.co.in	Chemistry	Guru Nanak Dev University	56.17	3	DRDE
28	Polymer Chains With Inorganic Nano Objects	Priyadarsi De	332-5873118	p_de@iiserkol.ac.in; pdde1974@gmail.com	Chemistry	Indian Institute of Sciences Education & Research (IISER)	19.40	3	DMSRDE

29	Synthesis and Characterization of Superhydrophobic Copper and Aluminium Substrates for Optoelectronic Applications	R Anbarasan	04549-278171	anbu may3@yahoo.co.in	Polymer Technology Centre for Research	Kamaraj College of Engineering & Technology	50.87	3	SSPL
30	Detection of Explosives using fluorescent conjugated polymers	Kanchan Saxena	0120-4392229	ksaxena@amity.edu	Chemistry	Amity University	14.84	2	HEMRL
31	Development of insect- based biosensor model for detection of common explosives	Anjali A. Karande	080-22932306	anjali@biochem.iisc.e rnet.in	Biochemistry	IISc Bangalore	39.90	1	DRL
32	Multi-Layered thin film sensor for gas turbine engine health monitoring	M. Krishna	080-28600535/ 09980480001	krishna_phd@yahoo. co.in	Mechanical Engg.	RV College of Engineering	58.00	3	GTRE
33	Investigation of Ferroelastic behavior of some manganite based multiferroics by ultra sonic velocity and attenuation studies	P Venugopal Reddy	09866467029/ 08413-2355300	paduruvenugopalred dy@gmail.com	Physics	Vidya Jyothi Institute of Technology	50.15	3	RCI
34	Development of High Niobium Containing Nanostructured TiAl Intermetallic Compounds produced by Spark Plasma Sintering and their Structure-Property Correlation	S Kumaran			Metallurgical and Materials Engineering	National Institute of Technology (NIT)	39.94	3	DMRL

35	Analysis, Design and Simulation of an S-Band MILO	PK Jain	9336912293	pkjain.ece@iitbhu.ac.in	Electronics Engineering Institute of Technology	Banaras Hindu University (BHU)	48.60	3	MTRDC
36	Studies on Fluoro/Fluoroalkyl Substituted Quinolines and Fused quinolines	R.M. Singh	9415697601	rmohan@bhu.ac.in	Chemistry	Banaras Hindu University (BHU)	33.86	3	CFEES
37	Identification of Biological Micro Organisms using Digital Holography	Naveen Kumar Nishchal	9471000087	nkn@iitp.ac.in	Physics	Indian Institute of Technology (IIT Patna)	16.71	3	IRDE
38	Polysaccharides Nanoparticles and Cross-Linked Derivatives for Adsorption of Toxic Substances from Industrial Effluents	Pyar Singh Jassal	011-27667469, 9911171446	psj.sgtb57@gmail.com	Chemistry	Delhi University (SGTB Khalsa College)	37.44	3	CFEES
39	Nano Ferrite Meta Ceramic Material Processing, Structural, Electrical and Magnetic studies for its use as Electromagnetic Wave Sensor	Vasant Naidu	04566-308001-4, 09894449603	drvasantnaidu@yahoo.co.in	Electronics Communication Engineering	Sethu Institute of Technology	15.50	3	DMRL
40	Comparative Study of the Isothermal/ Cyclic Oxidation behavior of Molybdenum Silicide based Alloys and Composites in Wet and Dry Air and Effect of Prior Oxidation on their Creep Strengths	Rahul Mitra	91-3222-283292, 9434034270	rahul@metal.iitkgpernet.in	Metallurgical and Materials Engineering	Indian Institute of Technology (IIT kharagpur)	36.03	3	DMRL

41	Microwave Synthesis of NiMg and NiMgZn Ferrites for Electromagnetic Interference Shielding Technology	S. Roopas Kiran	0416-2202609, 9655111562	madhuriw12@yahoo.com	Physics	VIT University	16.92	3	DLJ
42	Developing a Colorimetric Assay for Actylcholinesterase and Inhibitor Screening with Plasmonic Nanoparticles Nanotechnology based Sensing of Nerve Gases	Amitava Mukherjee	91-416-220 2602, 91-9994614858	amit.mookerjea@gmail.com	School of Bio Science & Technology	VIT University	28.63	3	INMAS
43	Nanocomposites of Graphene and Size-selected Pd, Pt and Pd-Pt alloy Nanoparticles for Hydrogen Sensing applications	B.R. Mehta	011-26591333, 9891076842	brmehta@physics.iitd.ernet.in, brmehta_p@hotmail.com	Physics	Indian Institute of Technology (IIT Delhi)	49.88	3	SSPL
44	Evaluation of Neuroprotective Role of Oryza Tocotrienol Against Ethanol-Induced Oxidative Stress and Neural Damage	Prasunpriya Nayak	09963040449	nayak@nrias.net	Physiology	NRI Medical College, Chinakakan i	19.25	3	DRDE
45	Influence of gas tungsten arc welding on microstructure and tensile properties of Cu modified Ti-6Al-4Valloy	G.V.S. Nageswara Rao	9849570525	nr_gvs@yahoo.com, gvsnr@nitw.ac.in	Metallurgical and Materials Engineering	National Institute of Technology (NIT)	22.24	3	DMRL
46	Study of Hydrophobic Nature of Polyamide-Phenol/ Phenolic Resin Complexes Using Water Contact Angle Measurement	M. Malathi	0416-2202453	mmalathi@vit.ac.in	Physics	VIT University	19.89	3	DMSRDE

47	Synthesis and Characterization of Magnetostrictive Fe-Ga alloy thin Films	S. Mohan	04565-241261/ 9442126765	sanjnamohan@yahoo.com	EMFT	Central Electrochemical Research Institute (CECRI-CSIR)	13.25	2	DMRL
48	Screening of Potent Medicinal Plants With Antioxidant Properties From Western Ghats.	S. Mohandass	9750994134	kaseprincipal@gmail.com		Kaamadhen u Arts & Science College	13.39	3	DIBER
49	Quality Improvement of a Traditional Probiotic Beverage of North-East India as Combat Food.	Sankar Chandra Deka	03712-267004/ 09435408396	sankar@tezu.ernet.in	Food Engineering & Technology	Tezpur University	21.27	3	DFRL
50	Indigenous Design Methodologies for Elliptic Curve Cryptography on FPGAs	Debdeep Mukhopadhyay	03222-282352/ 09434744544	debdeep@cse.iitkgp.ernet.in	Computer Science and Engg.	Indian Institute of Technology (IIT kharagpur)	74.67	3	ANURAG
51	Growth and characterisation of novel organic Nonlinear optical crystal of Phenolic Polyene - OH1 (2-(3-(4-hydroxystyryl)-5, 5-dimethylcyclohex-2-enylidene) Malonitrile) suitable for high efficiency Terahertz Wave generation and detection.	P. Sureshkumar	044-26590579/ 9003828487	suresrath@yahoo.com	Physics	Velammal Engineering College	21.98	3	SSPL

52	Development of Visible Light Active Titanium Oxynitride and Tantalum Oxynitride Photocatalysts For H2O Splitting	R S Sonawane	020-25899273/ 9422291993	sonawaner@yahoo.com	Nanocrystalline Materials/ Glass Laboratory	Centre for materials for electronics Technology (C-MET)	44.03	3	NMRL
53	Near-Real-Time Super Resolution of Aerial Video (Visual and IR) Sequences for Defence Applications	V Chandrasekaran	(08555) 286089/ 9866537010	vchandrasekaran@sssihi.edu.in	Mathematics and Computer Science	Sri Sathya Sai Institute of Higher Learning	48.76	3	CAIR
54	Development of Polymer-Ferrite (and / or) Graphene Nanocomposites having high thermal stability and microwave absorptioin property for Radar absorbing coating application	Narendra Nath Ghosh	08322580318/ 9823206119	naren70@yahoo.com	Chemistry	Birla Institute of technology & Science (BITS)	14.59	3	DLJ
55	Design, Synthesis and Applications of Supermolecular Fluorescent Sensors for Various Guests	V.K. Jain	079-26300969/ 09327013263	drvkjain@hotmail.com	Chemistry	Gujarat University	45.76	3	INMAS
56	Design and Prototype Model Development of CDMA Transreceiver.	P. Siddaiah	09490049565	siddaiah_p@yahoo.com	Electronics & Communication Engineering	Acharya Nagarjuna University	28.60	3	DEAL

57	Numerical and Experimental characterization of magnetostrictive effects on multiferroic composites.	A. Arockiarajan	9884953470	aarajan@iitm.ac.in	Applied Science	Indian Institute of Technology (IIT Madras)	13.22	2	DMRL
58	Development of Nano Hybrid Self Healing Coating Using Ultrasound Assisted Encapsulation Approach For Anticorrosion Performance	Shirish H. Sonaware	9890511339	shirishsonawane@rediffmail.com, shirish@nitw.ac.in	Chemical Engineering	National Institute of Technology (NIT)	30.24	3	DMSRDE
59	Nano Engineered Surfaces: Fabrication of Wiperless windshields by Coating With Nanoparticles.	K. Jeyasubramanian	9486028170	kjeyasubramanian@yahoo.co.in	Nanoscience & Technology	Mepco schlenk engineering college	22.47	2	NPOL
60	Studies on Multi-element multi-segment dielectric resonator antenna for wireless application	Ravi Kumar Gangwar	91-9771457994	ravi8331@gmail.com	Electronics Engineering	Indian Institute of Technology (IIT Dhanbad) / Indian school of mines	17.00	3	DEAL
61	Part1 MOC- Post Quantum Cryptography.	Vishal Saraswat (New PI)			Cryptology	CR Rao Advanced Institute of Mathematics (AIMSCS)	101.89	2	SAG

62	Part2 MOC- Software tools for SMT Solvers based cryptanalysis (MOC/ AIMSCS).	Appala Naidu			Cryptology	CR Rao Advanced Institute of Mathematics (AIMSCS)	155.15	2	SAG
63	Development of Metamaterial based Linear Leaky wave array antenna for Broadband applications in Ku Band	S.C. Gupta	9719339553	sureshgupta1938@gmail.com	ECE	Dehradun Institute of Technology (DIT)/ DIT University	27.84	2Y 6M	DEAL
64	Fabrication and Characterization of Radome Structure for Microstrip Patch Antenna. (Foreclosed)	Vivekanand Mishra	+91-9723555491	vive@eced.svnit.ac.in	Electronics Engineering	Sardar Vallabhbhai National Institute of Technology (SVNIT)	30.91	3	DLRL
65	Synthesis and characterization of functionally graded copper metal matrix composites	N. Radhika	0422-2685000, 9443566174	n_radhikal@cb.amrita.edu	Mechanical Engineering	Amrita Vishwa Vidyapeetham	11.30	2	DMRL
66	Development of catalytic process for production isoprene from pure isopentane and isopentane containing refinery C5 streams.	A. K. Sinha	135-255804,802, 9410188577	asinha@iip.res.in	Hydroprocessing/ RTD, CSIR-IIP Hydroprocessing Lab	Indian Institute of Petroleum	38.66	1	HEMRL

67	Development of graphene-based sensors for detection of heavy metals in water. (Foreclosed)	Sunita Kumbhat	0291-2720840, 09414133353	skumbhat@reiffmail.com, sunitakumbhat@gmail.com	Chemistry	Jai Narain Vyas University/ University of Jodhpur	32.45	3	DLJ
68	Development of High quality piezoelectric thin film for naval applications.	MS Ramchandra Rao				Indian Institute of Technology (IIT Madras)	99.09	3	NPOL
69	Design of guidance (G) Navigation (N) & Control © for Geo-stationary positioning and Launch phase of stratospheric airship	Nandan Kumar Sinha & Prof. Kamakoti				Indian Institute of Technology (IIT Madras)	87.54	3	ADRDE
70	Development of text/language independent speaker recognition, language identification and keyword spotting system for passive interception systems in advanced environments	Hemmamurthy				Indian Institute of Technology (IIT Madras)	104.85	2	SAG