

International Division
List of Approved Projects during FY 2012-13

Sl. No	File No. & Date of Sanction	Broad Area	Title of the Project	Indian Coordinator with full contact details	Amount Sanctioned In Rs.	Duration
Partner Country: Australia						
1.	DST/INT/AUS/P-48/2012 18.09.2012	Material Science including Nanotechnology	Topological Defects In Non-Collinear Multiferroics: A Nanodomain Approach To Multifunctionality	Dr. Satishchandra B. Ogale, Physical chemistry Division, National Chemical Laboratory, Pashan, Pune-411008	36,02,940/-	3 years
2.	DST/INT/AUS/P-49/2012 10.09.2012	Material Science including Nanotechnology	Magnetron Sputtering of Nanolaminates with Materials Designed and Engineered Properties	Dr. V.K. Srivastava, Dept. of Mechanical Engineering Banaras Hindu University Institute of Technology, Varanasi - 221005	39,36,600/-	3 years
3.	DST/INT/AUS/P-50/2012 23.01.2013	Material Science including Nanotechnology	A New Route To Ultra-High Quality Hole-Based Nanoelectronic Devices	Dr. Kantimay Das Gupta, Dept. of Physics Indian Institute of Technology Bombay Powai, Mumbai 400076	43,48,000/-	3 years
4.	DST/INT/AUS/P-51/2012 29.10.2012	Environmental Science including Climate Change Research	Development of Innovative Spentwash Treatment Systems and Resource Recovery Options for Distillery Application	Dr. Himanshu Joshi, Dept. of Hydrology Indian Institute of Technology Roorkee – 247667	67,98,400/-	3 years
5.	DST/INT/AUS/P-52/2012 29.10.2012	Environmental Science including Climate Change Research	Novel Approach for Processing Hazardous Electronic Waste	Prof. B. K. Mishra Institute of Minerals and Materials Technology, Council of Scientific and Industrial research, Bhubaneswar - 751 013	80,51,000/-	3 years

6.	DST/INT/AUS/ P-53/2012 29.10.2012	Material Science including Nanotechnology	A Nanocomposite Material for High- power Lithium Battery Cathodes	Professor P. SELVAM Department of Chemistry National Centre for Catalysis Research & Indian Institute of Technology-Madras, Chennai 600 036	35,15,264/-	3 years
7.	DST/INT/AUS/ P-54/2012 12.09.2012	Material Science including Nanotechnology	Functionalized Hierarchical Nano composites Materials for Synthetic and Renewable fuels production	Dr. Nagabhatla Viswanadham, Catalysis and Conversion Process Division, Indian Institute of Petroleum, Haridwar Road, Mohkampur Dehradun-248005	37,84,800/-	2 years

Partner Country: Argentina

8.	INT/Argentin a/P-1/12 19/02/2013	Chemistry	Two-Photon Absorbing Ruthenium- Fluorophore Complexes as an Activatable Caged Fluorescent Probe	Prof N Sekar, Department of Dyestuff Technology, Institute of Chemical Technology, N. P. Marg, Matunga, Mumbai, 400019 Tel:91 22 3361 1111/ 2707 Fax:91 22 3361 1020	8,79,000/-	3 Years
9.	INT/Argentin a/P-2/12 19/02/2013	Biotechnology	Use of Bioactive Peptides from Lactic Acid Bacteria in the Development of Functional Food	Dr. H G Ramachandra Rao, Department of Dairy Technology, Dairy Science College, Hebbal, Bangalore, , 560024 Tel:080-23412654 Fax:080-23414848	9,45,000/-	3 Years
10.	INT/Argentin a/P-3/12 29/02/2013	Computer Science	Emotionnal speech processing using source, system and suprasegmental features	Dr. S Dandapat, Indian Insitute of Technology, Guwahati, , 781039 Tel:0361-2582505 Fax:0361-2582542	11,85,000/-	3 Years

11.	INT/Argentina/P-4/12 25/02/2013	Medical	Investigation on the ability of the Recombinant anti-hCG vaccine and Monoclonal antibodies to prevent and treat Obesity, Polycystic ovaries, Pituitary adenomas, Breast and Ovarian Cancers in Transgenic mice hypersecreting hCG	Prof G P Talwar, Talwar Research Foundation E8, Neb Valley, New Delhi, , 110068 Tel:011-29531028 Fax:011-29536768	7,20,000/-	3 Years
12.	INT/Argentina/P-5/12 22/02/2013	Biotechnology	Deciphering the transcriptional and miRNA mediated control of calcium dependent protein kinases (StCDPKs) in potato (Solanum tuberosum L.) tuber development	Dr. Anjan Kumar Banerjee, Indian Institute of Science, Education and Research IISER, Sutarwadi, Pashan, Pune, Maharashtra, 411008 Tel:020-25908001 Fax:020-25899790	10,37,500/-	3 Years
Partner Country: Bulgaria						
13.	INT/BULGARIA/P-4/12 19/02/2013	Physics	Investigation of Photostimulation Effects in Nano-Structured Liquid Crystals	Dr. S. Krishna Prasad, Centre for Soft Matter Research, PO Box 1329, Jalahalli, Bangalore, 560 013 Tel:8028381119	8,25,000/-	3 Years
14.	INT/BULGARIA/P-8/12 07/02/2013	Physics	Search for low-dimensional chaos in time series of accreting objects	Prof. Banibrata Mukhopadhyay, Department of Physics, Indian Institute of Science, Bangalore, Tel:8023607704	12,15,000/-	3 Years

15.	INT/BULGARIA/P-10/12 25/03/2013	Materials	New materials as a sorbents for separation and preconcentration of trace pollutants from food, beverages and environmental samples	Dr. K Rama Mohan, Environmental Geochemistry Division, National Geophysical Research Institute, Uppal Road, Hyderabad, 500 007 Tel:4023434700	8,04,000/-	3 Years
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Partner Country: France

16.	INT/FRANCE/IFCAM 07-12-2012	Mathematics	Establishment of the Indo-French Centre for Applied Mathematics at IISc, Bangalore	Prof. G Rangarajan, Department of Mathematics, Indian Institute of Science, Bangalore	5,65,60,000/-	4 Years
17.	INT/FRANCE/INRA	Water & Climate Change	Adaptation of irrigated agriculture to climate change	Dr. Muddu Sekhar, Department of Civil Engineering, Indian Institute of Science, Bangalore	94,60,468/-	3 Years

Partner Country: Germany

18.	INT/FRG/DAD/P-215/2012 10-09-2012	ICT (Computer Science)	Interacting networks to model and control dynamics of complex systems	Dr. G Ambika, Associate Professor, Indian Institute of Science Education and Research, Sai Trinity, Sutarwadi, Pashan, Pune-411021	3,51,000/-	2 Years
19.	INT/FRG/DAD/P-216/2012 10-09-2012	Geology	Mitigation strategies to counteract seawater intrusion	Dr. Elango Lakshmanan, Professor, Deptt. of Geology, Anna University, Chennai-600025	3,24,000/-	2 Years

20.	INT/FRG/DA AD/P- 217/2012 10-09-2012	Life Sciences	Understanding the role of micro RNA (miRNA) mediated gene regulation during folliculogenesis & luteinization: a comparative study in buffalo & cow	Singh Dheer, Dr., Sr. Scientist, Molecular Endocrinology Lab., Animal Biochemistry Division, National Dairy Research Institute (NDRI), Karnal 132001, Haryana	8,25,000/-	2 Years
21.	INT/FRG/DA AD/P- 218/2012 11-09-2012	Biotechnology	Construction of cellulose degrading Corynebacterium glutamicum strains for direct utilization of agroresidual biomass for the production of amino acids and polyamines	Dr. K.Madhavan Nampoothiri, Pr. Scientist, Biotechnology Division, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Industrial Estate (PO), Pappanamcode, Trivandrum-695 019, Kerala	3,40,000/-	2 Years
22.	INT/FRG/DA AD/P- 219/2012 11-09-2012	Physics	Study of competing intra- and inter-layer effects in ferromagnetic/non-magnetic multilayers	Dr. Subhankar Bedanta, Assistant Professor, School of Physics, National Institute of Science, Education & Research, Po-Sainik School, Bhubaneswar-751005, Orissa	3,86,000/-	2 Years
23.	INT/FRG/DA AD/P- 220/2012 11-09-2012	Physics	Study on the properties of dipolar Bose-Einstein condensates within & beyond mean field description	Dr. Paulsamy Muruganandam, Asst. Prof., Deptt. of Physics, Bharathidasan University, Palkalaiperur, Tiruchirapalli-620024, Tamil Nadu	4,80,800/-	2 Years

24.	INT/FRG/DA AD/P- 221/2012 11-09-2012	Physics	Regenerated fiber Bragg gratings as sensors for structural health monitoring at extreme conditions	Dr. Somnath Bandyopadhyay, Principal Scientist, Fiber Optics and Photonics Division, CSIR-Central Glass and Ceramic Research Institute, 196, Sc. Mullick Road, Kolkata-700032	4,92,000/-	2 Years
25.	INT/FRG/DA AD/P- 222/2012 11-09-2012	Physics	Nanostructuring & Grain Boundary Engineering in Bulk Thermoelectric Material for high Temperature Applications	Dr. Ramesh Chandra Mallik, Lecturer, Department of Physics, Indian Institute of Science, Bangalore-560012	5,11,400/-	2 Years
26.	INT/FRG/DA AD/P- 223/2012 11-09-2012	Physics	Search for a formally and computationally efficient multi-reference coupled-cluster theory	Prof. Debashis Mukherjee, Emeritus Chair Professor, Raman Center for Atomic, Molecular and Optical Sciences, Indian Association for the Cultivation of Science, Kolkata-700032	4,25,000/-	2 Years
27.	INT/FRG/DA AD/P- 224/2012 11-09-2012	Material Sciences	Modeling multiferroic materials	Dr. Priya Mahadevan, Associate Professor, Department of Material Science, S.N. Bose National Centre for Basic Sciences, JD Block, Sector-3, Salt Lake, Kolkata-700098	4,50,000/-	2 Years

Partner Country: Hungary

28.	INT/HUN/P-04/2012 27-09-2012	Physics	Development of tungsten and molybdenum oxide thin films for use in gas sensors and electro chromic devices	Prof. A. Subramanyam, Department of Physics, Indian Institute of Technology, Madras	7,00,800/-	2 years
29.	INT/HUN/P-06/2012 03-10-2012	Physics	Development & characterization of bulk aluminium-alumina (Al-Al ₂ O ₃) nano-composites- study of their nano-sintering with respect to densification & grain growth	Dr. Ajay Dhar , National Physical Laboratory. K.S. Krishnan Road, New Delhi-110070	5,98,800/-	2 Years

Partner Country: Ireland

30.	DST/INT/IRE/P-6/2011	Bio	Design synthesis and biological evaluation of DNA targeting heterocyclic guandines as Anticancer agents	Dr. Ranjana Aggarwal , Department of Chemistry, Kurukshetra University, Kurukshetra-136 119	4,94,400/-	2 Years
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Partner Country: Italy

31.	INT/ITALY/P-1/2012 (ER) 25-05-2012	Information & Communication Technology	New perspectives for computational social science	Dr. Animesh Mukherjee Indian Institute of Technology, Kharagpur	4,50,000/-	3 Years
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32.	INT/ITALY/P -2/2012 (ER) 25-05-2012	Materials Science	From Small Molecules to Advanced Molecular Materials: Transport and Transfer Properties	Dr. Swapan Pati Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)	4,50,000/-	3 Years
33.	INT/ITALY/P -3/2012 (ER) 25-05-2012	Astrophysics	Probing General Relativity in the vicinity of Black Holes using ASTROSAT	Dr. Dipankar Bhattacharya IUCAA, Pune University Campus, Pune	4,50,000/-	3 Years
34.	INT/ITALY/P -4/2012 (ER) 25-05-2012	Nanomaterials	Development of body armour materials using silica nanoparticles	Dr. Abhijit Majumdar Indian Institute of Technology Hauz Khas	4,50,000/-	3 Years
35.	INT/ITALY/P -5/2012 (ER) 11-07-2012	Information & Communication Technology	Cerebellum inspired approach for pattern classification in robots	Dr. Shyam Diwakar Mukundanunny, Amrita Institute of Medical Sciences, Cochi	4,50,000/-	3 Years
36.	INT/ITALY/P -7/2012 (ER) 28-05-2012	Physics	Simulation, NTME Calculation and half life measurement for Double Beta Decay of Sn nuclei	Prof. PK Raina Indian Institute of Technology Ropar	4,50,000/-	3 Years
37.	INT/ITALY/P -8/2012 (ER) 11-07-2012	Energy and Environment	Development of Nano-catalysts and Photo- catalysts for hydrogen production and water purification	Prof. Dushyant C. Kothari University of Mumbai, Mumbai	4,50,000/-	3 Years
38.	INT/ITALY/P -9/2012 (ER) 14-08-2012	Health & Medical Sciences	Pharmacogeno mics of response to lithium treatment	Dr. Sanjeev Jain, National Institute of Mental Health and Neurosciences	4,50,000/-	3 Years
39.	INT/ITALY/P - 10/2012 (ER) 14-08-2012	Materials Science	Study of self- healing ability of advanced fiber reinforced cement based materials	Dr. Ravindra Gettu, Indian Institute of Technology Madras Chennai	4,50,000/-	3 Years

40.	INT/ITALY/P - 11/2012 (ER) 13-08-2012	Nonmaterial	Computer simulations and NMR investigations of responsive materials for photonics applications	Dr. Vanka Sastry University of Hyderabad Hyderabad	4,50,000/-	3 Years
41.	INT/ITALY/P - 12/2012 (ER) 13-08-2012	Health & Medical Sciences	Engineering cell selectivity in antimicrobial peptides for the development of novel antibiotic drugs	Dr. Jimut Kanti Ghosh CSIR Central Drug Research Institute, Lucknow	4,50,000/-	3 Years
42.	INT/ITALY/P -13/2012 (SP- PhT.1/89) 14-08-2012	Physics	Access to the beamlines of the Elettra Synchrotron Light Laboratory by the Indian institutions previously identified by the Department of Science & Technology (DST) of the Indian Government	Prof. DD Sarma, Indian Institute of Science, Bangalore	52,20,000/-	1 year
43.	INT/ITALY/P - 14/2012 (SP) 13-08-2012	NAM	Investigating local structure and magnetism of Co nano-structures	Dr. C Balasubramanian FCIPT – Institute for Plasma Research, Gandhinagar	35,48,000/-	3 Years
44.	INT/ITALY/P - 15/2012 (SP) 24-08-2012	HBM	Design and development of new antimalarial leads for chloroquine-resistant Plasmodium strains.	Dr. Dilip Dhavale University of Pune, Pune	20,56,880/-	2 years

45.	INT/ITALY/P - 16/2012 (SP) 24-08-2012	Health & Medical Sciences	Identifying causal pathways mediating obstructive sleep apnea (OSA) and obesity	Dr. Achal Gulati, Maulana Azad Medical College, New Delhi	29,86,320/-	2 years
46.	INT/ITALY/I T PAR- III/Compute r Sc/2013 20-02-2013	Computer Science	Development of the Universal Knowledge Core (UKC), a large scale multilingual faceted knowledge organized resource	Prof. A. R. D. Prasad, Indian Statistical Institute, Bangalore	56,85,000/-	3 Years
47.	INT/ITALY/I T PAR- III/COG- P(1)/2013 26-02-2013	Cognitive Science	Flexible perception and action in the context of naturalistic scenes	Prof. Narayanan Srinivasan Centre of Behavioural and Cognitive Sciences University of Allahabad Allahabad 211002 Tel +915322460738 +915322421429 Fax: +915322460738 E-mail: nsrini@cbcs.ac.in	29,09,400/-	3 Years
48.	INT/ITALY/I T PAR- III/COG- P(2)/2013 07-03-2013	Cognitive Science	Contextual influences on object categorization	Dr. SP Arun Assistant Professor Indian Institute of Science, Bangalore Tel: +91 80 2293 3436 Fax: +91 80 2360 3323 E-mail: sparun@cns.iiscernet.in	15,39,000/-	3 Years

49.	INT/ITALY/I T PAR- III/COG- P(3)/2013 07-03-2013	Cognitive Science	Inhibitory control in the planning of sequential movements	Prof. Aditya Murthy Associate Professor Centre for Neurosciences Indian Institute of Science, Bangalore Tel: 080-2293-3434 E-mail: aditya@cns.iisc.ernet.in	20,25,000/-	3 Years
50.	INT/ITALY/I T PAR- III/COG- P(4)/2013 13-03-2013	Cognitive Science	Neuroplasticity and Language: Anatomical Correlates of Vedic Recitation	Dr. Nandini C. Singh Associate Professor National Brain Research Centre NH-8, Nainwal Mode, Manesar 122 050 Tel: 0124 284 5333 E-mail: nandini@nbrc.ac.in	31,65,000/-	3 Years
Partner Country: Japan						
51.	DST/INT/JSPS /P-130/12 12.06.2012	Advanced Materials including Polymers & Nanomaterials	Development of homojunction carbon solar cell	Dr. Maheshwar Sharon NSNR Center for Nanotechnology & Bionanotechnology SICES College	4,59,000/-	2 years
52.	DST/INT/JSPS /P-131/12 14.05.2012	Advanced Materials including Polymers & Nanomaterials	Fabrication of Tandem Structured Thermoelectric Devices using SiGe Related Alloy Semiconductors	Dr. Sridharan Moorthy Babu Crystal Growth Centre Anna University Sardar Patel Road Chennai - 600 025	4,72,500/-	2 years

53.	DST/INT/JSPS /P-132/12 03.05.2012	Advanced Materials including Polymers & Nanomaterials	Development of new anode materials for next generation Li ion batteries by electrodeposition of Si on the inner-surface of nanospace carbon.	Dr. Indrajit Mukhopadhyay School of Solar Energy Pandit Deendayal Petroleum University Raisan, Gandhinagar, Gujarat-382 007	3,00,000/-	2 years
54.	DST/INT/JSPS /P-133/12 03.05.2012	Advanced Materials including Polymers & Nanomaterials	Creation of heterogeneous pinning in Iron Pnictides and Cuprate superconductors by introducing nanopatterned pins	Dr. Satyajit Banerjee Dept. of Physics Indian Institute of Technology Kanpur Kanpur – 208016, U. P.	2,57,000/-	2 years
55.	DST/INT/JSPS /P-134/12 09.05.2012	Advanced Materials including Polymers & Nanomaterials	Construction of Advanced Nano-Spintronics Devices based on Self-Organized Functional Oxide Nano Super-Structures	Dr. Saket Asthana Department of Physics Indian Institute of Technology, Hyderabad, Ordnance Factory Estate Campus, Yeddumailaram - 502205, Andhra Pradesh	3,42,000/-	2 years
56.	DST/INT/JSPS /P-135/12 09.05.2012	Advanced Materials including Polymers & Nanomaterials	Quantum dot conjugated single walled carbon nanotubes for imaging and therapy	Dr. R..S. Jayasree Biophotonics and Imaging Laboratory, Biomedical Technology Wing Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Poojappura. P. O. Trivandrum, 695012	3,44,000/-	2 years
57.	DST/INT/JSPS /P-136/12 28.05.2012	Astronomical and Space Science	A Study of Supernovae in the Nearby Universe – Building Blocks for the High Redshift Universe	Dr. G.C. Anupama Indian Institute of Astrophysics II Block, Koramangala Bangalore 560 034	4,46,000/-	2 years

58.	DST/INT/JSPS /P-137/12 09.05.2012	Astronomical and Space Science	Empirical study on global circulation of magnetospheric plasma during geomagnetic storms and their effects on low latitude and equatorial ionosphere	Dr. (Mrs).B.Veenadhari Dept of Science and Technology Indian Institute of Geomagnetism Kalamboli Highway, New Panvel Plot No.5, Sector 18 Navi Mumbai – 410218, Maharashtra	3,46,000/-	2 years
59.	DST/INT/JSPS /P-138/12 16.05.2012	Manufacturing Sciences	Utilization of wasted groundnut shell for the development of natural polymeric composites and their Mechanical properties, drilling	Dr. Janakarajan Ramkumar Dept of Mechanical Engineering I.I.T. Kanpur Kalyanpur 208016	4,12,000/-	2 years
60.	DST/INT/JSPS /P-139/12 16.05.2012	Modern Biology & Biotechnology	Cloning and Characterization of STOP1 transcription factor from Cowpea and its functional analysis	Dr. Sanjib Kumar Panda Dept of Life Science & Bioinformatics, Assam University, Silchar-788011, Assam,	5,40,000/-	2 years
61.	DST/INT/JSPS /P-140/12 02.07.2012	Modern Biology & Biotechnology	Genetic Studies on Stevens Johnson Syndrome (SJS)	Dr. Chitra Kannabiran Kallam Anji Reddy Molecular Genetics Laboratory Hyderabad Eye Research Foundation, L.V. Prasad Eye Institute (LVPEI) L.V. Prasad Marg Banjara Hills, Hyderabad -500 034	3,40,000/-	2 years
62.	DST/INT/JSPS /P-141/12 25.06.2012	Modern Biology & Biotechnology	Microbial production of plastic degrading enzymes for polymer monomerization	Dr (Mrs) N.R. Kamini Department of Biotechnology Central Leather Research Institute Chennai -600 020	4,34,000/-	2 years

63.	DST/INT/JSPS /P-142/12 25.06.2012	Modern Biology & Biotechnology	Elucidation of mechanism of action of withaferin A using highly functional affinity beads	Dr. Shanthy Sundaram Centre for Biotechnology Nehru Science Centre, University of Allahabad Allahabad-211002, U.P.	4,34,000/-	2 years
64.	DST/INT/JSPS /P-143/12 09.05.2012	Modern Biology & Biotechnology	Genetic and genomic basis of the evolution of bombycid and saturniid silkmoths	Dr. J. Nagaraju Laboratory of Molecular Genetics Centre for DNA Fingerprinting and Diagnostics (CDFD) Bldg.7, Gruhakalpa, 5-4-399/B, Nampally Hyderabad-500 001, Andhra Pradesh,	4,46,000/-	2 years
65.	DST/INT/JSPS /P-144/12 18.03.2013	Modern Biology & Biotechnology	Antarctic moss diversity and their screening for biotechnological potentials	Dr. Shiv Mohan Singh Polar Biology, National Centre for Antarctic & Ocean Research Ministry of Earth Sciences, Govt. of India Headland Sada, Vasco Da Gama, Goa-403804	4,50,000/-	2 years
66.	DST/INT/JSPS /P-145/12 02.07.2012	Modern Biology & Biotechnology	Investigation of ligand induced activation mechanism of Adenosine 2A receptor by ATR-FTIR spectroscopy	Dr. Tushar Kanti Maiti Regional Centre for Biotechnology, 180 Udyog Vihar Phase I Gurgaon, Haryana, 122016	4,48,000/-	2 years

67.	DST/INT/JSPS /P-146/12 28.05.2012	Modern Biology & Biotechnology	Elucidation of Mechanical Basis of Plant Gene Regulation for Promotion of Plant Utilization	Dr. Sanjay Kapoor Interdisciplinary Center for Plant Genomics Dept of Plant Molecular Biology University of Delhi South Campus New Delhi 110021	3,48,000/-	2 years
68.	DST/INT/JSPS /P-147/12 25.06.2012	Modern Biology & Biotechnology	Population Based Human Genetic Variations and Impact on Radiation Effect	Prof. K. Satyamoorthy Division of Biotechnology Manipal University Manipal Life Sciences Centre	3,50,032/-	2 years
69.	DST/INT/JSPS /P-148/12 02.07.2012	Molecular & Supramolecular Sciences	Development of new selenium based antioxidant	Dr K. Indira Priyadarsini Radiation & Photochemistry Division Bhabha Atomic Research Centre Trombay, Mumbai- 400085	6,32,000/-	2 years
70.	DST/INT/JSPS /P-149/12 02.07.2012	Surface and Interface Science including Catalysis	Catalytic transformation of biomass-derived sugars to renewable chemicals	Dr. Paresh Laxmikant Dhepe Catalysis and Inorganic Chemistry Division National Chemical Laboratory Room No. 289, Main building,	4,12,000/-	2 years
71.	DST/INT/JSPS /P-150/12 17.09.2012	Surface and Interface Science including Catalysis	Catalysing Soot- NOx Reaction without Precious Metals: Mixed Oxide Catalysts for Diesel Exhaust Emission Control	Dr. Nitin K. Labhasetwar Environmental Materials Division National Environmental Engineering Research Institute	5,46,000/-	2 years

Partner Country: Mexico

72.	INT/MEXICO /P-1/12 19/02/2013	Earth Sciences	Rapid Estimation of Centroid Moment Tensor Solutions in North East India	Dr.D Srinagesh, National Geophysical Research Institute, Uppal Road, Hyderabad - 500007	13,65,000/-	3 Years
73.	INT/MEXICO /P-2/12 21/02/2013	Seismology	Deterministic Modeling of Long-Period Ground Motions From Megathrust Earthquakes in Central Himalayas and South-Central Mexico	Dr. S.S Teotia, Department of Physics, Kurukshetra University, Kurukshetra	13,26,000/-	3 Years
74.	INT/MEXICO /P-3/12 11/02//2013	Nano Technology	Low-Dimensional Hybrid Hierarchical Nanoporous Materials for Environmental Applications	Dr. Paritosh Mohanty, Department of Paper Technology, IIT, Roorkee, Saharanpur Campus, Saharanpur	9,00,000/-	3 Years
75.	INT/MEXICO /P-5/12 12/02//2013	Nano Technology	Synthesis, Optical and Photothermal Characterisation of Metallic Nano Particles for Biomedical Applications	Dr. Murali Krishna Chilakapati, Advanced Center for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Center (TMC), Kharghar,, Sec-22, Navi Mumbai	18,15,000/-	3 Years
76.	INT/MEXICO /P-6/12 12/02/2013	Bio Physics	Nonlinear Analysis of the Ion Transport Through A Single Channel in the Lipidic Membrane	Professor Punit Parmananda, Department of Physics, Indian Institute of Technology, Powai, Mumbai	11,07,000/-	3 Years

77.	INT/MEXICO /P-7/12 11/02/2013	Biotechnology	Biotechnological Potential of Agricultural Wastes for Making Commodity Chemicals of Health Benefits	Dr. K Madhavan Nampoothiri, National Institute for Interdisciplinary Science and Technology (NIIST), CSIR Industrial estate (PO), Trivandrum	8,25,000/-	3 Years
78.	INT/MEXICO /P-8/12 17/12/2012	Synthetic Chemistry	Synthesis of Diversely Substituted Indoles by Electrophilic Cyclization and Cu/Pd-Catalyzed Coupling Reactions: Potential Anticancer Small Molecules	Dr. Akhilesh K Verma, Department of Chemistry, North Campus University of Delhi, Delhi	29,28,000/-	3 Years
79.	INT/MEXICO /P-9/12 19/02/2013	Energy	Photovoltaic Study on Mixed Metal Chalcogenide Absorbing Nanostructures	Professor Rajaram Sakharam Mane, School of Physical Sciences, Swami Ramanand Teerath Marathawada University, Dnyanteerth,, Vishnupuri Nanded	8,70,000/-	3 Years
80.	INT/MEXICO /P-10/12 01/03/2013	Physics	Development of Phosphate and Tellurite Based Oxyfluoride Glasses and Transparent Nanocrystalline Glass-Ceramics Doped With Lanthanide Ions for Visible and Near infrared Fiber Lasers	Professor C.K Jayasankar, Department of Physics, S.V University, Tirupati	20,85,000/-	3 Years
81.	INT/MEXICO /P-11/12 22/02/2013	Maths	Diophantine Equations With Product of integers in Airthmetic Progressions	Professor Shanta Laishram, Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi	7,05,000/-	3 Years

82.	INT/MEXICO /P-12/12 28/01/2013	Chemistry	Dynamics of Evolution of Temperature and Frequency Dependent Response Properties Using Non-Iterative Density Perturbation theory	Dr. Sourav Pal, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune	10,65,000/-	3 Years
83.	INT/MEXICO /P-14/12 01/02/2013	Energy	Development of Non-Platinum Based Catalyst for Acid and Alkaline Fuel Cells	Dr. R Manoharan, PSG Institute of Advanced Studies Peelamedu, Avinashi Road, Coimbatore,	15,25,000/-	3 Years

Partner Country: Norway

84.	INT/NOR/RC N/P-04/2013 19-03-2013	Geology	Water related effects of changes in glacier mass balance and river runoff in western Himalaya, India: past, present and future (GLACINDIA)	Prof. AL. Ramanathan, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi – 110067	34,49,880/-	3 Years
85.	INT/NOR/RC N/P-05/2013 19-03-2013	Geology	INDNOR: Hydrologic sensitivity to Cryosphere-Aerosol interaction in Mountain Processes (HyCAMP)	Dr. Mukesh Sharma, Deptt. of Civil Engg., Indian Institute of Technology Kanpur, Kanpur-208016	38,49,760/-	3 Years

Partner Country: Russia

86.	INT/RUS/RFB R/P-114 26-11-2012	Maths	Algebraic varieties over fields & linear error correcting codes	Prof. Sudhir R. Ghorpade , Department of Mathematics, IIT Bombay, Powai, Mumbai-400076	17,40,400/-	2 Years
87.	INT/RUS/RFB R/P-115 30-11-2012	Bio	Study of Physico-Technological principles of preparation of new magnetic nanostructures for multifunctional biomedical applications	Dr. Sunita Keshri , Associate Professor, Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi-835215, Jharkhand	8,46,600/-	2 Years
88.	INT/RUS/RFB R/P-118 07-03-2013	Astrophysics	Time resolved photometric and spectroscopic study of the chemically peculiar A-type stars	Dr. Santosh Joshi , Scientist-C, Aryabhata Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital-263129	15,00,000/-	2 Years
89.	INT/RUS/RFB R/P-119 17-09-2012	Chemistry	Structural, magnetic and transport properties of NiMnAl alloys and melt-spun ribbons	Dr. Ratnamala Chatterjee , Professor, Physics Department, IIT Delhi, HauzKhas, New Delhi-110016	15,22,262/-	2 Years
90.	INT/RUS/RFB R/P-120 20-11-2012	Physics	Investigation on ultra-short-pulse petawatt laser interaction with plasmas and its applications for particle acceleration and generation of terahertz	Dr. Devki Nandan Gupta , Assistant Professor, Department of Physics and Astrophysics, North Campus, University of Delhi, Delhi-110007	7,88,340/-	2 Years

91.	INT/RUS/RFB R/P-123 21-11-2012	Bio	Biosensor systems based on nanosized materials for the detection of food or waterborne toxins	Prof. Soumyo Mukherji , Department of Biosciences and Bioengg., IIT Bombay, Powai, Mumbai-400076	8,50,500/-	2 Years
92.	INT/RUS/RFB R/P-125 02-11-2012	Chemistry	Development of Nano biosensor probe for detection of metal cautions	Dr. M.S. Gaur , Professor & Head, Department of Physics, Hindustan College of Science & Technology, Farah, Mathura-281122 (U.P.)	15,33,360/-	2 Years
93.	INT/RUS/RFB R/P-126 26-11-2012	Chemistry	Bio inspired nano materials as anode and cathode for new generation lithium-ion battery applications	Dr. Sagar Mitra , Assistant Professor, Department of Energy Science and Engineering, IIT Bombay, Powai, Mumbai 400076	15,57,000/-	2 Years
94.	INT/RUS/RFB R/P-128 10-10-2012	Earth Science	Genesis of world class skarn deposits in SikhoteAlin Fold Belt, Far East (Russia) and Aravalliraton, Rajasthan (India)	Dr. M.S. Pandian , Professor, Department of Earth Sciences, Pondicherry University, Puducherry-605014	14,00,000/-	2 Years
95.	INT/RFBR/P- 131 26-09-2012	Physics	Development and study of UHF ferrite thin films and composites for high-speed information processing system	Prof. Shiva Prasad , Indian Institute of Technology Powai, Mumbai-400076	23,06,860/-	2 Years

96.	INT/RUS/RFB R/P-132 09-01-2013	ICT	Countermeasures for Protocol Compliant Attacks in Mobile Adhoc Networks	Dr. Vijay Laxmi , Associate Professor, Department of Computer Engineering, Malaviya National Institute of Technology, Jaipur-302017	15,19,680/-	2 Years
97.	INT/RUS/RFB R/P-133 17-01-2013	Computer	Mathematical models and morphological analysis based algorithms for image comparison and classification in computer vision systems	Dr. B.H. Bhaskar , Associate Professor, Department of Computer Science, Mangalore University, Mangalore, India	20,27,500/-	2 Years
98.	INT/RUS/RFB R/P-133/1 17-01-2013	Maths	Mathematical models and morphological analysis based algorithms for image comparison and classification in computer vision systems	Dr. B.H. Bhaskar , Associate Professor, Department of Computer Science, Mangalore University, Mangalore, India	4,94,400/-	2 Years
Partner Country: South Korea						
99.	INT/Korea/P-16 12-02-2013	Materials Sciences	Simultaneous growth of semiconductor nano-wires and nanoparticles for microelectronic and sensor applications	Dr. Jyoti Prakash Kar, Assistant Professor, National Institute of Technology (NIT) Rourketa	25,91,000/-	3 Years
100.	INT/Korea/P-17	Materials Sciences	New nano-porous	Dr. M. S. Balathanigaimani,	23,16,000/-	3 Years

	06-02-2013		materials for natural gas storage application	Assistant Professor, Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli		
101	INT/Korea/P-18 12-02-2013	Renewable Energy	Membrane less Microfluidic devices for rapid, automated and self-sustainable enzymatic biofuel cell with 3D electrodes for in vivo and ex vivo devices	Dr. Sanket Goel, University of Petroleum & Energy Studies, Dehradun,	24,70,440/-	3 Years
102	INT/Korea/P-20 13-03-2013	Materials Sciences	Development of biofouling resistant membranes for wastewater treatment	Dr. G. Arthanareeswaran National Institute of Technology, Tiruchirappalli	29,29,440/-	3 Years
Partner Country: Slovenia						
103	SLOVENIA/P-04/09 31-05-2012	Materials	Preparation of textile filters for selective filtration of waste waters	Dr. Mangala Joshi, Department of Textile Technology, Indian Institute of Technology, Hauz Khas, Delhi-110016	7,87,500/-	3 Years
Partner Country: Spain						
104	DST/INT/Spain/P-26/2011 23.07.2012	Health and Medical Research	Metabolomic applications to the identification of new therapeutic targets for tuberculosis treatment	Dr. Shekhar C. Mande Structural Biology Centre for DNA Fingerprinting and Diagnostics Tuljaiguda(Opp MJ Market) Nampally Hyderabad- 500001, AP	44,37,682/-	3 years

105	DST/INT/Spain/P-27/2011 27.06.2012	Health and Medical Research	Evaluation of Plasmodium falciparum erythrocyte binding antigens as malaria vaccine candidates	Dr. Deepak Gaur Malaria International Centre for genetic Engineering and Biotechnology (ICGEB) Aruna Asaf Ali Marg, New Delhi 110067	44,49,000/-	3 years
106	DST/INT/Spain/P-35/2011 30.04.2012	Information Technology	On-Chip Network Simulation Platform for Reliable, Accurate, and Fast System Co-Design of Embedded and Multicore Systems	Dr. Manoj S. Gaur Dept. Computer Engineering Malaviya National Institute of Technology, Jaipur-302017, Rajasthan	28,57,060/-	3 years
107	DST/INT/Spain/P-40/2011 12.04.2012		Solar Absorption Refrigeration Systems Operating with Ionic Liquids as Absorbents and Ammonia as Refrigerant	Dr. G. Venkatarathnam Dept. of Mechanical Engg. Indian Institute of Technology Madras Refrigeration and Air conditioning Laboratory	48,91,800/-	3 years
108	DST/INT/Spain/P-41/2011 27.06.2012	Nano Technology	Delivering, triggering and imaging innate immune signals with pathogenmimetic nanostructures	Dr. Virander S. Chauhan Mammalian Biology: Malaria ICGEB, ICBEBCampus, P.O.Box:10504, Aruna Asaf Ali Marg, New Delhi -110 067	49,44,000/-	3 years
109	DST/INT/Spain/P-42/2011 12.04.2012	Nano Technology	Theoretical and computational investigation of molecular magnets and extended systems as candidates of exotic nanomaterials with useful properties	Dr. Sambhu Nath Datta Department of Chemistry Indian Institute of Technology Bombay, Powai, Mumbai PIN – 400 076	41,90,240	3 years

Partner Country: Switzerland

110	INT/SWISS/I SJRP/PEP/P -01/2012 10-09-2012	Astrophysics	Estimation of H ₀ through monitoring of gravitationally lensed quasars	Dr. C.S. Stalin, Indian Institute of Astrophysics, Block II, Koramangala, Bangalore-560034	6,00,000/-	2 years
111	INT/SWISS/I SJRP/PEP/P -02/2012 10-09-2012	Chemical Engineering	HIV recombination and immune escape: Combining within host viral dynamics with epidemiological transmission	Prof. Narendra Madhukar Dixit, Assoc Prof., Department of Chemical Engineering, Indian Institute of Science, Bangalore, Karnataka-560012	3,56,000/-	2 years
112	INT/SWISS/I SJRP/PEP/P -03/2012 10-09-2012	Chemical Sciences	Heteronuclear Decoupling Under Homonuclear Recoupling Sequences	Dr. Madhu Kovilakathu Perunthiruthy, DCS, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai-400005	4,16,000/-	2 years
117	INT/SWISS/I SJRP/PEP/P -04/2012 10-09-2012	Chemical Sciences	Studies on Pyrazole Based Magnetic Coordination Polymers	Dr. Raju Mondal, Department of Inorganic Chemistry, Indian Association for the Cultivation of Science Raja S.C. Mullick Road, Jadavpur, Kolkata 700032	4,48,000/-	2 years
113	INT/SWISS/I SJRP/PEP/P -05/2012 10-09-2012	Life Sciences	Mining LinA and LinB variants for the development of enzymatic bioremediation of hexachlorocyclohexane	Dr. Rup Lal, Molecular Biology lab, Department of Zoology, University of Delhi, New Delhi-110007	6,56,000/-	2 years

114	INT/SWISS/ SJRP/PEP/P -06/2012 10-09-2012	Physics	Electronic, Magnetic & Non-Magnetic Doping of Quantum Spin Chains	Dr. Surjeet Singh, Assistant Professor, Indian Institute of Science Education and Research, 900 NCL Innovation Park, Pashan, Pune- 411008, Maharashtra	3,62,500/-	2 years
115	INT/SWISS/ SJRP/PEP/P -07/2012 10-09-2012	Computer Science	Self- Documented Software Architecture	Dr. Tadinada Venkata Prabhakar, Professor, Department of Computer Science & Engineering, Indian Institute of Technology Kanpur, Kanpur: 208016	4,80,000/-	2 years
116	INT/SWISS/ SJRP/PEP/P -09/2012 10-09-2012	Mathematics	Mathematical Programming in Parameterized Algorithms	Dr. Saket Saurabh, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai-600113	4,80,000/-	2 years
117	INT/SWISS/ SJRP/PEP/P -10/2012 10-09-2012	Physics	Radiation damage studies of Silicon sensors	Bhardwaj Ashutosh, Dr. Department of Physics & Astrophysics, Room No. 189, 2nd Floor, Mutli Story Building, University of Delhi, Delhi- 110007	4,08,000/-	2 years

Partner Country: Tunisia

118	(INT/Tunisia/ P-01/2013) 26.02.2013	Material Science	Experimental characterization and numerical modeling of charge transport in synthetic polymers used for electrical insulation under low and high applied voltages	Dr. Nandini Gupta, Indian Institute of Technology Kanpur	13,02,000/-	3 Years
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119	(INT/Tunisia/ P-02/2013) 01.03.2013	Information Science	Development of Wearable Antennas for Body Centric Applications and Studies on their Physiological Effects	Prof. Bhaskar Gupta, Professor, Jadavpur University, Kolkata	14,49,000/-	3 Years
120	(INT/Tunisia/ P-03/2013) 15.03.2013	Biotechnology	Comparative study of actionomycetes biodiversity in India and Tunisia: investigation of biotechnological enzymes and biological activities	Dr. Neelu Nawani, Dr. D.Y.Patil Biotechnology and Bioinformatics Institute, Pune	24,39,000/-	3 Years
121	(INT/Tunisia/ P-04/2013) 19.03.2013	Information Science	Design, modeling and characterization of highly nonlinear fibers for all-optical high bit-rate networks	Dr. Ajeet Kumar, Delhi Technological University, Delhi	13,50,000/-	3 Years
122	(INT/Tunisia/ P-05/2013)	Materials Science	Theoretical Studies on Ion- Atom Interaction and Cold Collision in the Presence of Electromagnetic Fields	Dr. Bimalendu Deb, Indian Association for the Cultivation of Science, Kolkata	11,52,000/-	3 Years

Partner Country: Thailand

123	DST/INT/TH AI/P-01/2012 31-01-2013	Natural Resource Management	Comparative Antimicrobial Activity and Molecular Characterization of Clerodendrum Species of Thailand & India	Dr. Sawlang Borsingh Wann, CSIR-Northeast Institute of Science & Technology, Jorhat	8,85,000/-	3 Years
124	DST/INT/TH AI/P-02/2012 31-01-2013	Natural Resource Management	Phytomanagem ent of Metalliferous Soils	Prof. M.N.V. Prasad, University of Hyderabad	8,85,000/-	3 Years

125	DST/INT/TH AI/P-04/2012 12-02-2013	Marine Science	Geochemical Speciation and Risk Assessment of Trace Metals in Sediments from two Tropical Mangrove Environments India and Thailand	Prof. Santosh Kumar Sarkar, University of Calcutta	7,20,000/-	3 Years
126	DST/INT/TH AI/P-05/2012 11-02-2013	Agricultural Science	Yield Improvement and Adoption of Plantation Technologies in Bioenergy Crops for Increasing the Potential of Bioenergy Production	Dr. V Sivakumar Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore	11,13,000/-	3 Years
127	DST/INT/TH AI/P-06/2012 31-01-2013	Nanotechnology	Developing Filter Paper for Production of Safe Drinking Water	Dr. Sandeep Kumar Department of Bio & Nano Technology, GJUS&T, Hisar, Tel: +91-1662- 263500; E-mail: ksandeep36@yaho o.com	8,85,000/-	3 Years
128	DST/INT/TH AI/P-07/2012 26-03-2013	Biotechnology	Molecular Ecology and Systematics of Fungal Communities Associated with Degradation of Lignocellulosic Biomass on the Next Generation Sequencing (NSG) and Polyphasic Taxonomic Approach	Dr. Belle Damodara Shenoy, Institute of Microbial Technology, Chandigarh	10,20,000/-	3 Years

Partner Country: UK

129	DST/INT/UK/P-30/2012 26-03-2013	Bio	Investigating modulation of miRNA expression in the hypoxic stem cell niche	Dr. Ritu Kulshreshtha , Indian Institute of Technology, Delhi, HauzKhas, New Delhi-110016	15,32,000/-	2 Years
Partner Country: Ukraine						
130	INT/UKR/2012/P-01 10-10-2012	Chemistry	Research of the new processes of motor fuel production from wastes. Hydrogen and synthesis gas production from solid biomass and domestic wastes. Conversion of biomass-derived gases (syn-gas) to second and	Dr. Anil Kumar Sinha , Sc "E-1", Hydroprocessing Lab, CCPD, IIP, Mohkampur-248 005-Dehradun	6,69,000/-	3 Years
131	INT/UKR/2012/P-03 13-08-2012	Physics	Thermodynamic behavior of IV generation working fluids for renewable energy technologies	Dr. G. Venkatarathnam , Professor, Indian Institute of Technology, Madras, Refrigeration & Air Conditioning Lab, Chennai-600036	9,76,200/-	3 Years
132	INT/UKR/2012/P-04 20-09-2012	Bio	Development of probiotics for enhanced antioxidant availability	Dr. Prasanna B.D. , Department of Chemical Engineering, National Institute of Technology, Karnataka Surathkal	4,30,000/-	3 Years
133	INT/UKR/2012/P-05 30-07-2012	Bio	Development of new Antiepileptic leads to suppress hippocampal epileptic seizures	Prof. P Yogeeshwari , Head Department of pharmacy, BITS Pilani, Hyderabad Campus	7,74,000/-	3 Years

134	INT/UKR/2012 /P-06 05-11-2012	Engineering	Epitaxial rare-earth substituted garnet films for quantum key distribution devices	Prof. Anil Prabhakar , IIT Madras, Department of Electrical Engineering, Chennai-600036	10,51,200/-	3 Years
135	INT/UKR/2012 /P-07 19-11-2012	Astrophysics	Dark matter, Dark energy and modified gravity	Dr. Varun Sahni Inter-University Centre for Astronomy and Astrophysics, Post Bag No. 4. Ganeshkhind, Pune-411007	9,24,000/-	3 Years
136	INT/UKR/2012 /P-08 02-11-2012	Physics	Phase transitional, diffusion processes and agnetoresistive properties of multilayer based on Fe &Pd, Pt,Ag	Prof. Chetan Panchal , Assistant Professor, The MS University of Baroda, Faculty of Technology and Engineering, Varodara-390001	9,61,200/-	3 Years
137	INT/UKR/2012 /P-09 13-08-2012	Bio	Developing electrochemical and photochemical biosensors using chloroplast and enzyme membranes	Prof. A.N. Mishra , Central University of Jharkhand, Ranchi	9,76,200/-	3 Years
138	INT/UKR/2012 /P-10 11-09-2012	Bio	Design and synthesis of novel functionalized chalcones as inhibitors of hemoglobin-degrading malarial cysteine proteases, falcipain 2/3	Dr. B.K. Singh , Assistant Professor, Department of Chemistry, University of Delhi, Delhi	6,72,000/-	3 Years