

## DST-RSF Call Results: 2015-16

<b>S. No.</b>	<b>Project name</b>	<b>Indian P.I</b>	<b>Russian PI</b>
1	Classical operators on Sobolev and Banach function spaces and quasi conformal analysis	Dr Pankaj Jain Associate Professor and Chairperson, Department of Mathematics South Asian University, New Delhi- 110021	Professor Vladimir D. Stepanov Department of non-linear analysis and optimization Peoples Friendship University of Russia, MiklukhoMaklai str. 6 Moscow 117198
2	Modern problems in low-dimensional topology in crossroad with geometry and algebra	Dr. Mahender Singh Assistant Professor IISER Mohali Sector 81, SAS Nagar, P O Manauli, Punjab 140306,	Prof. Andrei Vesnin Professor Sobolev Institute of Mathematics, Novosibirsk, Russia
3	Helicity effects in magnetohydrodynamic, rotating, and convective turbulence	Dr. Mahendra Kumar Verma, Professor Department of Physics Indian Institute of Technology Kanpur Kanpur 208016	RodionStepanov, Leading Researcher & Professor Laboratory of Physical hydrodynamics Institute of Continuous Media Mechanics (ICMM), Russian Academy of Science
4	Research and development of new optical fibers for applications in modern laser systems	Dr. Vipul Rastogi (Project Coordinator) Dept of Physics, Indian Institute of Technology Roorkee - 247667 Uttarakhand, India	Dr. AlexejSysoliatin (Project Coordinator) Quantum Electronics and Optoelectronics Laboratory Ulyanovsk State University 432017, Ulyanovsk L.Tolstoy, 42 Russia.
5	Nonlinear Organic Metasurfaces: Self-Assembled Molecular Nano/Micro-Structures for Miniaturized Optical-Device Technology and Laser Systems	Dr. R. Chandrasekar School of Chemistry, University of Hyderabad Prof. C. R. Rao Road, GachiBowli, Hyderabad-500 046, INDIA	Prof. Dr. Tatiana V. Murzina Head of the Lab Quantum Electronics division Department of Physics Moscow State University Leninskie Gory, GSP -1119991 Moscow Russia
6	Magnetic, transport and galvanomagnetic properties of thin films and ribbons of novel Heusler alloys for magnetic applications	R. Chatterjee, Indian Institute of Technology Delhi	Khovaylo, Vladimir, National University of Science and Technology «MISiS»
7	Development of new heterogeneous catalytic methods for the synthesis of industrially important N-heterocyclic compounds	N. Narender, Indian Institute of Chemical Technology	Kutepov Boris, Institute of Petrochemistry and Catalysis RAS
8	Development of new atom-efficient synthetic methodologies for organic and organometallic synthesis of target (hetero)- and macrocycles for the needs of industry and pharmacy.	Dr. Adinath Majee, Department of chemistry Visva-Bharati (A Central University) Santiniketan- 731235	Prof. Emily Nosova, I.Ya. Postovsky Institute of Organic Synthesis, Ural Division of RAS, Yekaterinburg Russia
9	Prediction of disease-relevant mutations in transmembrane proteins	Dr. M. Michael Gromiha Associate Professor Department of Biotechnology Bhupat and Jyoti Mehta School of Biosciences Indian Institute of Technology (IIT) Madras	Prof. Dr. DmitriyFrishman Bioinformatics laboratory Peter the Great St. Petersburg Polytechnic University 29, Polytechnicheskayast., 195251, St.Petersburg, Russia

		Chennai 600 036	
10	Development of novel core-shell polymeric polyplexes with multi-modal action against lung cancer	Krishnan UMA Maheshwari, Shanmugha Arts, Science, Technology & Research Academy	Annenkov Vadim, Limnological Institute, Siberian Branch of the Russian Academy of Sciences
11	Multidisciplinary approach to evaluate the pathogenicity of missense mutations causing hereditary breast cancer.	Ashok K Varma Principal Investigator & Scientific Officer 'F' Tata Memorial Centre, Advanced Centre for Treatment, Research and Education in Cancer Kharghar , Navi-Mumbai-410210,	Ekatherina Kuligina Senior Researcher N.N. Petrov Institute of Oncology, St.-Petersburg 197758, Russia
12	A Knowledge Based Approach to Drug Repurposing for Socially Important and Rare Diseases	Prof. G. Narahari Sastry Head, Centre for Molecular Modeling, CSIR-Indian Institute of Chemical Technology, (CSIR-IICT), Tarnaka, Hyderabad - 500 007, Telangana,	Prof. Vladimir Poroikov Head of Department for Bioinformatics and Laboratory for Structure- Function Based Drug Design, Institute of Biomedical Chemistry, Pogodinskaya Str., 10/8, Moscow, 119121, Russia
13	Nature and regularities of induced seismicity in areas of tectonic and anthropogenic impacts from field and laboratory data	Dr. D. Srinagesh , Chief Scientist CSIR-National Geophysical Research Institute, Hyderabad-500007	Prof. Alexander Ponomarev , Deputy Director, Institute of Physics , the Earth, RAS, 123242 Bol.Gruzinskaya str., 10, Moscow, Russia
14	"Teleconnections of the Late Quaternary Paleoclimatic Events between the Sub-Polar North Atlantic and Southern Indian Ocean /Southern Ocean (Indian Sector)	Dr. Rahul Mohan Project Director (Science) & Scientist-E National Centre for Antarctic & Ocean Research , Goa	Dr. Sergei Korsun , shivshovnstute of oceanology Russia
15	Experimental Study and Numerical Modeling of Polymers' Pyrolysis and Burning Kinetics for the Prediction of Flame Spread Behavior under Fire Growth	Amit Kumar Professor, AS104, Dept. of Aerospace Engg. IIT Madras, Chennai-600036	Oleg Korobeinichev Professor, Principal researcher Institute of Chemical Kinetics and Combustion Siberian Branch of Russian Academy of Sciences Institutskaya str. 3, Novosibirsk, 630090 Russia
16	New set of mathematical models, methods, algorithms and software programs of controllable stochastic systems for performance evaluation and design of the next-generation telecommunication networks	Krishnamoorthy Achyutha, Honorary Director, Centre for Research in Mathematical Sciences, CMS College, Kottayam, Kerala, India. Pin: 686001	Vishnevsky Vladimir, Institute of control sciences of Russian academy of sciences
17	Analysis and design of deformation processes for mixtures of metallic powders and polymer matrix	P.P. Date, Indian Institute of Technology Bombay	Alexandrov Sergei, A. Ishlinsky Institute for Problems in Mechanics of the Russian Academy of Sciences