

Department of Science & Technology
International Division

An Indo-Russian Joint call for proposals under DST-RFBR MoU was advertised in November 2009. 68 common project proposals were received against the joint call for which last date was 15th December 2009. Based on scientific merit, national priority of both the countries and scientific strengths of the project coordinators, Department of Science & Technology and Russian Foundation for Basic Research have jointly decided to support following 18 proposals. The duration of the project would be for 2 years. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

SI No.	Proj. Code	Area	Title	Indian Coordinator	Russian Coordinator
1.	RUSP -1003	Informatics	Research of Chemical Sensor Systems in Plant Extracts-A Case Study with Black Tea	Dr. Nabarun Bhattacharyya, Additional Director, Centre for Development of Advanced Computing (C-DAC) E-2/1, Block-GP, Sector-V Salt Lake, Kolkata-700091, West Bengal Ph: +91 33 23573581/5989/2357984 6/23573051 Fax: +91 33 23575141 Mob: +91 9831066791 Email: nabarun.bhattacharya@cdackolkata.in	Dr. Andrey Legin, The Head of the Electronic Tongue Research Group, Mendeleev Centre, Room-209 St. Petersburg State University, Universitetskaya nab. 7/9, St. Petersburg, 199034, Russia Ph: 007 (812) 328-97-01 Fax: 007 (812) 328-95-05 Email: andrew@kl13930.spb.edu
2.	RUSP -1005	Chemistry	Dischalcogenolate complexes of carboranes and metallocarboranes as structure determining ligands in coordination and supramolecular chemistry	Prof. (Dr.) V.K. Jain, Head, Synthesis and Pure Materials Section, Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400085 Email: jainvk@barc.gov.in Tel: +91 22 2559 5095 Fax: +91 22 2550 5151	Prof. Vladimir I. Bregadze, A.N. Nesmeyanov Institute of Organoelement Compounds (INEOS) Russian Academy of Sciences, Vavilov Str-28, Moscow-119991, Russia Tel: +7 499 13 7405 Fax: +7 499 135 5085
3.	RUSP -1007	Informatics	Mobile intelligent wireless sensor networks: Control and Optimization	Dr. Soumyendu Raha, Assistant Professor, Supercomputer Education and Research Centre, Indian Institute of Science, Bangalore-560012 Tel: +91-80-2293-2791/2360-0654 Fax: 080-2360-2648 Email: raha@serc.iisc.ernet.in	Dr. Adil I. Erzin, Full Professor, Sobolev Institute of Mathematics, Siberian Branch of the RAS, 4 Acad. Koptyug avenue 630090 Novosibirsk, Russia tel: +7 383 363 4682 Fax: +7 383 333 2598 Email: adilerzin@math.nsz.ru

4.	RUSP -1009	Earth Sciences	Study of an energy exchange between wind and waves and variability of their climate characteristic in the Indian ocean	Dr. S.A. Sannasiraj, Professor, Department of Ocean Engineering, Indian Institute of Technology Madras, Chennai-6000036, Tel: +91-44-2257 4817 Fax: +91-44-2257 4802 Email: sasraj@iitm.ac.in	Dr. Alexander S. Ginzburg, Deputy Director, A.M. Oboukhov Institute of Atmospheric Physic, Russian Academy of Sciences 3, Pyzhevsky lane, 119017, Moscow, Russia Tel: +7-495-951-0710 Fax: +7-495-951-9070 Email: gin@ifaran.ru
5.	RUSP -1016	Mathematics	Higher composition laws algebraic theory, and algebraic group	Prof. Ravi A. Rao, Associate Professor, Tata Institute of Fundamental Research, Dr. Homi Bhabha Road, Mumbai-400005	Prof. Nikolav Vanlov, St. Petersburg State University, St. Petersburg 198504 Russia
6.	RUSP -1021	Astronomy	Gas and star formation in the lowest mass galaxies	Dr. Jayaram N Chengalur, Professor, NCRA/TIFR Pune University Campus, Ganeshkhind-411007 Ph: 91-20-25719248 91-20-25697257 Email: chengalur@ncra.tifr.res.in	Dr. I.D. Karachentsev, Dsci. Professor, SAO, Nizhnij Arkhiz, KChR, Russia Ph: 7-87822-93402, 7-87878-46527 Email: ikar.sao.ru
7.	RUSP -1024	Medical Sciences	Construction of regulatory networks in mycobacterium tuberculosis through analysis of gene expression data and transcription regulation prediction	Dr. Shekhar C. Mande, Centre for DNA Fingerprinting and Diagnostics, Hyderabad-500001 Tel: +91-40-24749401 Fax: +91-40-24749448 Email: shekhar@cdfd.org.in	Dr. Vsevolod J. Makeev, State Research Centre of Industrial Microorganisms, GosNIIGenetika, 1st Dorozny Proezd, I, Moscow, 117545 Russia Tel: +7-495-3150156 Fax: +7-495-3150501 Email: makeev@genetika.ru
8.	RUSP -1027	Medical Sciences	Evaluation of p53-CXCL13 cross talk in breast cancer	Dr. Arindam Bhattacharyya, Lecturer, Department of Zoology, University of Calcutta 35, Ballygange Circular Road, Kolkatta-700019 Ph: 91-33-24615445 Ext-286 Fax: 91-33-24614849 Email: arindam19yahoo.com	Dmitry. V. Kuprash, Oncoimmunology group, Engelhardt Institute of Molecular Biology, 32 Vavilov Street 119991, Moscow, Russia Tel: +7 499 1359770 Fax: +7 499 1351405 Email: kuprash@gmail.com, kuprash@eimb.ru

9.	RUSP -1030	Medical Sciences	Characterization of the role of C-Methylated spermidine analogues on polymine and trypanothione biosynthesis in antimony susceptible/resistant strains of Leishmania donovani	Dr. Rentala Madhubala, Professor, School of Life Sciences Jawaharlal Nehru University, New Delhi-110067 Tel: 26742630 Email: madhubala@mail.jnu.ac.in	Dr. Alex R Khomutov, Principle Scientist, Engelhardt Institute of Molecular Biology, RAS, Vavilov St. 32, Moscow, 119991, Russia Tel: +7 (499) 1356065 Fax: +7 (499) 1351405 Email: alexkhom@list.ru
10.	RUSP -1031	Physics	Structure magnetic state and entropy of the martensitic phase of Heusler Ni-Mn-X alloys	Dr. Subham Majumdar, Associate Professor, Departemnt of Solid State Physics, Indian Association for the Cultivation of Science, 2a and 2B S.C. Mullick Road, Kolkata-700032 Tel: +91-33-24734971, Fax: +91-33-24732805 Email: sspsm2@iacs.res.in	Dr. Victor Koledov, Leading Researcher, Doctor of Sciences, Kotelnikov 'IRE RAS, 125009, Moscow, Russia Tel: (7495) 6329-3506 Fax: (7495) 629-3678 Email: victor_koledov@mail.ru
11.	RUSP -1032	Earth Sciences	Deep geoelectrical studies of India-Eurasia collision zone:regional MT profile in Uttarakhand Himalaya	Prof. M. Israil, Department of Earth Science, Indian Institute of Technology Roorkee-247667 Email: mohdfes@iitr.ernet.in mohmmad.israil@gmail.com Ph: 0091-1332-285078 Fax: 0091-1332-285638	Dr. E.Yu. Sokolova, Geoelctromagnetic Research Centre, Institute of the Physics of the Earth Russian Academy of Sciences, GEMRC IPE RAS, P.O. Box 30, 142190 Troitsk, Moscow region, Russia
12.	RUSP -1035	Physics	Self-organized nanostructures and thin films of organic materials compatible with Si-based semiconductor systems	Prof. Vijay Kumar, Founder President & Principal Scientist Dr. Vijay Kumar foundation 1969 Sector-4, Gurgaon Haryana-122001 Tel/Fax: 014-4079369 Email: kumar@vkf.in	Dr. Andrey Oreshkin, Senior Researcher, Moscow State University, Physics Department, Leninskie Gory, 119991 Moscow Tel: +7-495-9392502 Email: oreshkin@spmlab.phys.msu.su
13.	RUSP -1039	Informatics	Mathematical modeling of challenging problems using high perormacne computing systems	Dr. V. Sundararajan, Centre for Development of Advanced Computing (C-DAC) Pune University Campus, Ganesh Khind, Pune-411006 Tel: 020-25704100/25704230 Fax: 020-25694004 Email: vsundar@cdac.in	Dr. V.A. Gushehin, Duputy Director, RAS, ICAD, Moscow, Russia Tel: +7 (495) 250-95-41 Email: gushch@icad.org.ru

14.	RUSP -1042	Chemistry	"Novel approaches to annulation: synthesis of condensed heterocyclic systems containing various combinations of 5- and 6-membered rings and chalcogen and nitrogen atoms"	Prof. K.K. Bhasin, CAS Co-ordinator Department of Chemistry & Centre of Advanced Studies in Chemistry, Punjab University, Chandigarh-160014 Tel: 0172-2534407 Email:kkbhasin@pu.ac.in	Prof. Vladimir Potapov, Ph.D., D. Sc., Professor of A.E. Favorsky Irkutsk Institute of Chemistry, Siberian Division of the RAS, 1 Favorsky St., 664033 Irkutsk, Russian Federation Tel: +7 3952-424954 Mob: 89500833570 Fax: 73952-419346 Email: v.a.potapov@mail.ru
15.	RUSP -1046	Mathematics	"Investigation of effect of physicochemical parameters and magnetic field on nanofiltration of non-newtonian fluids through complex porous membranes"	Dr. Manju Agarwal, Department of Mathematics & Astronomy, University of Lucknow, Lucknow-226007 Tel: +91 542 2331742, Mob: 09415427670 Email: manjuak@yahoo.com, aggarwal_manju@lkouniv.ac.in	Dr. Filip Anatoly Nikolaevich, Professor, Doctor of Sciences, Head of Department of Pure and Applied Mathematics 11 Volokolamskoye shosse, Moscow State University of Food Production, Moscow 125080, Russia Tel: +7 499 158 6849 Fax: +7 499 158 0371 Email: a.filippov@mtu-net.ru
16.	RUSP -1047	Mechanics	Mathematical modeling of materials and structures their deformation and fracture processes	Prof. N.K. Gupta, Henry Ford Chair Emeritus Professor Dept. of Applied Mechanics, Indian Institute of Technology Delhi, New Delhi-110016, Ph: +91 11 26591178 Fax: +91 11 26591118 Email: nkgupta@am.iitd.ac.in	Prof. A.V. Manzhurov, Head of Department, Ishlinsky Institute for Problems in Mechanics, RAS, 101, Vernadsky Avenue, Bldg 1119526 Moscow, Russia Ph: +7 495 4344138 Fax: +7 499 7399531 Email: manzh@ipmnet.ru
17.	RUSP -1055	Physics	Nano atomic and electronic structure of semiconducting materials irradiated by swift ions: multiscale modelling and synchrotron studies	Dr. K. Asokan, Scientist, Inter-University Accelerator Centre Aruna Asaf Ali Marg, New Delhi-110067 Tel: +91 11 26893955 Fax: +91 11 26893666 Email: asokan@iuac.ernet.in, asokan42@gmail.com	Prof. A. Soldatov, Faculty of Physics, Southern Federal University, 5 Sorge, Rostov-on-Don, 344090 Russia Ph: +7 863 2975326 Fax: +7 863 2901003 Email: soldatov@sfedu.ru
18.	RUSP -1059	Chemistry	Principles of nanoarchitectures formation on the basis of alumina and titania and their interrelation with catalytic and adsorption properties	Dr. Suresh Kumar Aggarwal, Outstanding Scientist, Head, Fuel Chemistry Division, BARC, Mumbai-400085 Tel: +91 22 25593740 Fax: +91 22 25505151 Email: skaggr2002@rediffmail.com	Prof. Agafonov Alexander Victorovich, Professor, Head of Laboratory of Supramolecular Chemistry, Institute of Solution Chemistry of RAS Tel: +7 905 107 1492 Email: ava@isc-ras.ru