

**Winners of an open public competition to receive grants from the Russian Science Foundation for the priority area of the Russian Science Foundation's activity
"Basic research and applied research conducted by international research teams" (in cooperation with DST, India)**

No	RSF Project Number	Project title	Russian organization	Russian PI	Indian PI	Indian organization
1	22-42-02021	Search for novel topological materials - A joint theoretical and experimental investigation	M.N.Miheev Institute of Metal Physics of Ural Branch of Russian Academy of Sciences	Lukoyanov A.V.	Suresh K.G.	Indian Institute of Technology Bombay, Mumbai, India
2	22-43-02056	Development of composite materials with low flammability based on epoxy resins and nanoscale organic-inorganic hardeners	Federal State Budgetary Educational Institution of Higher Education Mendeleev University of Chemical Technology of Russia	Chistyakov E.	Muralidharan K.	University of Hyderabad
3	22-49-02010	Design, Development, Theoretical and Experimental Study of Smart Tribological Coatings for Space Applications	Ishlinsky Institute for Problems in Mechanics of the Russian Academy of Sciences	Goryacheva I.	Wani M.F.	National Institute of Technology Srinagar
4	22-49-02002	Enhancing the efficiency of Clean Energy production by intensifying anaerobic bioconversion of organic waste using solar energy	Federal State Budgetary Scientific Institution "Federal Scientific Agroengineering Center VIM"	Kovalev A.	Vivekanand Vivekanand	Malaviya National Institute of Technology Jaipur
5	22-49-02003	Sustainable capturing of flue gases by an integrated phototrophic-heterotrophic microbial consortium coupled with bioelectricity and biofuel production	Joint Institute for High Temperatures of the Russian Academy of Sciences	Vlaskin M.S.	Kumar V	Graphic Era (Deemed to be University)

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6	22-43-02025	Development of novel catalysts for valorization of biomass derived platform molecules with activation of CO and CO ₂	A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences	Shifrina Z.B.	Bhanage, B.M.	Institute of Chemical Technology, Mumbai
7	22-43-02028	Investigation and development of all-phosphate dual-ion solid-state batteries	Institute of Solid State Chemistry and Mechanochemistry of the Siberian Branch of the Russian Academy of Sciences	Kosova N.V.	Vedarajan R.	Centre for Fuel Cell Technology in International Advanced Research Centre for Powder Metallurgy and New Materials
8	22-45-02007	Development of an interdisciplinary approach for the diagnosis and correction of the emotional sphere disorders of children using artificial intelligence methods: a cross-cultural study	Federal State Budgetary Educational Institution of Higher Education "Saint-Petersburg State University"	Lyakso E.E.	RUBAN N.	Vellore Institute of Technology (VIT) – Vellore, India
9	22-49-02017	High-Power and Portable Sheet-Beam Driven Sub-THz Source for Wireless High-Data-Rate Communication	Kotelnikov Institute of Radioengineering and Electronics of Russian Academy of Sciences	Ryskin N.M.	N. Kumar	Central Electronic Engineering Research Institute
10	22-41-02006	Enhancing the accuracy of roboforming through prediction and compensation of elastic behavior using Artificial Intelligence techniques	Autonomous noncommercial organization of higher education "Innopolis University"	Klimchik A.	Hariharan, Krishnaswamy	Indian Institute of Technology Madras

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11	22-49-02041	Development of low weight nanostructured functionally graded materials for high strength applications by hybrid asymmetric rolling and incremental forming methods	Nosov Magnitogorsk State Technical University	Pesin A.M.	Tandon Puneet	Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
12	22-49-02065	UNIFY (soLutions for clean energy iNtegration in power grids with Improved Flexibility)	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	Vorobev P.	Chakrabarti S.	Indian Institute of Technology Kanpur
13	22-43-02079	Study of photoluminescence, thermoluminescence and scintillation properties of Ln2O3 nanoparticles and single crystals	Nikolaev Institute of Inorganic Chemistry, Siberian Branch of the Russian Academy of Sciences	Naumov N.G.	Dhoble Sanjay J.	Department of Physics, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur-440033
14	22-44-02024	Prospective developments of fungal bioluminescence for improved bioassays and bioimaging applications	Shemyakin - Ovchinnikov Institute of Bioorganic Chemistry of the Russian Academy of Sciences	Yampolsky I.V.	De, A.	The Advanced Centre for Treatment, Research and Education in Cancer
15	22-49-02047	Long endurance Mars flying exploration vehicle (LEMFEV)	Moscow Aviation Institute (National Research University)	STRELETS D.Y.	Manoranjan Sinha	Indian Institute of Technology Kharagpur
16	22-41-02028	Classical and Quantum Error Correcting Codes and Mathematics over Finite Fields for Smart Telecommunication	Institute for Information Transmission Problems of the Russian Academy of Sciences (Kharkevich Institute)	Koshevoy G.	Sharma A.	Indraprastha Institute of Information Technology, Delhi

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17	22-41-02002	Value-added Analysis of Histological Images using Artificial Intelligence	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Krylov A.	Sethi A.	Indian Institute of Technology Bombay
18	22-43-02012	Grain boundary engineering for austenitic stainless steel processed by selective laser melting	Federal State Autonomous Educational Institution of Higher Education "Belgorod National Research University"	Belyakov A.	Chowdhury S. G.	National Metallurgical Laboratory of Council of Scientific and Industrial Research
19	22-43-02081	Multiscale modeling of deformation behavior of carbon fiber-reinforced high-end thermoplastics	National University of Science and Technology "MISIS"	Stepashkin A.	Khanna Ashish	Maharaja Agrasen Institute of Technology, GGSIPU, Delhi, India.
20	22-43-02020	Search for novel magnetic and topological materials	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Morozov I.V.	Dasgupta T.H.	S.N.Bose National Centre for Basic Sciences
21	22-46-02004	Genetic determinants of chickpea domestication and post-domestication diversification	Peter the Great St.Petersburg Polytechnic University	Samsonova M.G.	Roorkiwal, M	International Crops Research Institute for the Semi-Arid Tropics
22	22-41-02019	Studies on affine spaces and related objects through algebraic group actions and locally nilpotent derivations	National Research University Higher School of Economics	Arzhantsev I.	Gupta N.	Indian Statistical Institute
23	22-49-02023	Development and study of methods for reliability enhancement of tethered high-altitude unmanned telecommunication platforms	Institute of control sciences of Russian academy of sciences	Vishnevsky V.	Dharmaraja S.	Indian Institute of Technology Delhi

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24	22-49-02066	Structure and properties of additive manufactured intermetallic titanium alloys for heat resistant applications	Federal State Autonomous Educational Institution of Higher Education "Ural Federal University named after the First President of Russia B.N. Yeltsin"	Popov A.	Suwas S.	Department of Materials Engineering and Centre for Product Design and Manufacturing Indian Institute of Science (IISc) Sir C V Raman Avenue, Bangalore 560012 (India)
25	22-42-02014	Double perovskite oxides for thermoelectric power generation	Federal State Budgetary Institution of Science "Kazan Scientific Center of Russian Academy of Sciences"	Eremina R.M.	T. Maiti	Department of Materials Science and Engineering Indian Institute of Technology Kanpur, UP 208016, India
26	22-44-02007	Identification of immunogenic peptide for diagnosis of orthohantavirus infection	Kazan (Volga region) Federal University, Kazan University, KFU	Rizvanov A.	Baranwal M.	Thapar Institute of Engineering and Technology