

**Competition for grants in the priority area of RSF activities “Basic research and applied research, Conducted by International Research Teams” (in cooperation with the Department of Science Technology of the Ministry of Science and Technology of the Republic of India (DST))**

<b>RSF Project Number</b>	<b>Russian PI</b>	<b>Russian Institution</b>	<b>Project Title</b>	<b>Indian PI</b>	<b>Indian Institution</b>
24-41-02023	Zlatanov, Nikola	Autonomous noncommercial organization of higher education "Innopolis University"	Holographic MIMO: A Communication Technology For Achieving 6G	Hanawal M.K.	Indian Institute of Technology Bombay
24-41-02031	Tikhonov, Alexey	Federal State Budgetary Educational Institution of Higher Education "Saint-Petersburg State University"	Methods of artificial intelligence and magneto-electric effects in the dynamics and motion control problems of telecommunication spacecraft	Giri D.K.	Indian Institute of Technology Kanpur
24-41-02035	Burnaev, Evgeny	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	Physics-informed machine learning for accelerating simulation of physical processes by computational graph reduction	Ranu, Sayan	Indian Institute of Technology, Delhi
24-41-02039	TSETSERUKOU, DZMITRY	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	LogiSAR: Heterogeneous Swarm of Autonomous Robots with Deep Learning to Enable Next Generation of Smart Logistics	Baliyarasimhuni Sujit	Indian Institute of Science Education and Research Bhopal / IISER'B
24-42-02008	Belotelov, Vladimir	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Ultrathin iron garnet films: magnetophotonics and ultrafast magnetism.	V.G. Achanta	Council Of Scientific And Industrial Research–National Physical Laboratory

24-42-02009	Murzina, Tatiana	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Self-healing Non-linear Optical Crystals as a New Materials for All-Organic Photonic Integrated Circuits	R. Chandrasekar	Advanced Photonic Materials & Technology Laboratory School of Chemistry, University of Hyderabad Hyderabad, INDIA Web: <a href="https://www.rajaduraichandrasekar.com/">https://www.rajaduraichandrasekar.com/</a>
24-42-02025	Burkovsky, Roman	Peter the Great St.Petersburg Polytechnic University	Utilizing antiferroelectric effects in multi-field caloric materials for eco-friendly solid state cooling applications	Devajyoti Mukherjee	Indian Association for the Cultivation of Science
24-43-02023	Shishov, Andrei	Federal State Budgetary Educational Institution of Higher Education "Saint-Petersburg State University"	Development of an automated platform for environmentally safe chemical analysis of food products based on flow methods and deep eutectic solvents	Banerjee T.	Indian Institute of Technology Guwahati
24-43-02039	Keshtov, Mukhamed	A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences	Asymmetric Non-fullerene Acceptor with Low Energy Loss for high-performance organic solar cells	KARAK S.	Indian Institute of Technology-Delhi
24-43-02042	Galushko, Alexey	N.D. Zelinsky Institute of Organic Chemistry RAS	Hydrogen Production from Water Catalyzed by Functionalized NHC-stabilized Nanoparticles and Beyond (NHC = N-heterocyclic carbene)	Bera J. K.	Indian Institute of Technology Kanpur

24-43-02049	Chvalun, Sergei	Institute of Synthetic Polymeric Materials RAS	Dispersion Polymerization Derived Macromolecular Hierarchical Nano-Architectures with Antioxidant Property	De Priyadarsi	Indian Institute of Science Education and Research Kolkata
24-43-02066	Anokhin, Alexander	Baikov Institute of Metallurgy and Material Science, Russian Academy of Sciences	Computational design and development of new Ti-Al-Nb based alloys with Rare Earth Metal additions for PM and AM applications	Joydip JOARDAR	International Advanced Research Centre for Powder Metallurgy and New Materials, India
24-44-02003	Sokolova, Olga	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Functional and structural approaches for improving bacteriophage selection and design for antibacterial therapy applications	Kondabagil Kiran	Indian Institute of Technology Bombay
24-45-02020	Melchakova, Irina	ITMO University	Dedicated RF devices based on advanced physical principles and metamaterials for enhanced MRI performance	Sikdar D.	Indian Institute of Technology Guwahati
24-45-02034	Martynova, Olga	Institute of Higher Nervous Activity and Neurophysiology of RAS	Utilizing artificial intelligence techniques to identify phenotypes of obsessive-compulsive disorder through analyzing brain bioelectrical activity and eye movement patterns	R. Verma	All India Institute of Medical Sciences
24-45-02035	Preobrazhenskaja, Elena	N.N. Petrov Center of Oncology	Microsatellite instability across various tumor types: diagnostic criteria, methods of detection and bio-clinical associations	Patel T.N.	Vellore Institute of Technology
24-46-02012	Deniskova, Tatiana	Federal Science Center for Animal Husbandry named after academy member L.K. Ernst	Unlocking the genomic variants underlying economically important and adaptation traits in Indian and Russian native goats	Nagarajan M.	Central University of Kerala

24-47-02007	Slunyaev, Alexey	Federal Research Center Institute of Applied Physics of the Russian Academy of Sciences	Rogue events and their probabilistic assessments for directional waves in shallow and intermediate depths	Sriram V.	Indian Institute of Technology Madras
24-47-02016	Varentsov, Ivan	The Schmidt Institute of Physics of the Earth (IPE) Russian Academy of Sciences	Deep Geoelectric Structure of the Shillong Plateau and Adjacent Seismically Active Territories (NE India) from Magnetotelluric Data	Patro B.P.K.	National Geophysical Research Institute of the Council of Scientific and Industrial Research
24-49-02002	Kuznetsov, Sergey	Ishlinsky Institute for Problems in Mechanics of the Russian Academy of Sciences	Development of seismic protection systems based on composite seismic barriers against the impact of surface wave	Iqbal M.A.	Indian Institute of Technology Roorkee
24-49-02038	Paraschuk, Dmitry	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	New TADP-materials for organic light emitting diodes	Singh S.P.	Indian Institute of Chemical Technology under the Council of Science and Industrial Research
24-49-02058	Bazhenov, Stepan	A.V.Topchiev Institute of Petrochemical Synthesis Russian Academy of Sciences	New polyimides and development of membranes based on them for hydrogen recovery in synthesis and decomposition of ammonia processes	Banerjee S.	Indian Institute of Technology Kharagpur
24-49-02073	Rybak, Larisa	Belgorod State Technological University named after V.G. Shukhov	Data-driven, resource-aware, reliable, and secured intelligent control of connected and autonomous robot systems	Dhar N.K.	Indian Institute of Technology Mandi