

Department of Science & Technology
International Division

An Indo Russia Joint call for proposals 2022 with the Department of Science & Technology (DST), Government of India and Ministry of Science and Higher Education (MSHE) of the Russian Federation in the following areas of i) Glycoscience & Technology: Exploration of structures and functions of sugars for diverse application in medicine, energy generation and materials science, ii) New Materials & Additive manufacturing, including Development of new materials and technologies for their producing (both conventional and additive), iii) Precision Agriculture, including Development of equipment and machinery for agriculture and food production, and Digital and distance technologies in agriculture and iv) Aerospace technologies was advertised in September 2022. The call ended on 14th November 2022. After eligibility check as per call guidelines, total 25 proposals were found eligible for next round of evaluations. Based on scientific merit, complementarities of the project objectives, scientific strengths of the project coordinators and national priorities, DST and MSHE have jointly decided to support following 5 proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

Sl. No.	TPN No.	Title	Indian Coordinator	Russian Coordinator
1.	86417	Novel Methodology to Characterize Fatigue Threshold and its Engineering Application	Prof. Praveen Kumar Department of Materials Engineers Indian Institute of Science, Bangalore, Karnataka	Dr. Sergey V Panin Institute of Physics of Strength and Material Science, Tomsk
2.	86439	Catalytic materials for efficient production of gluconic/gluconic acids and hydrogen by oxidation of biomasses generated glucose	Dr. Ajay Kumar Kushwaha Indian Institute of Technology Indore	Prof. Irina Alexandrovna Kurzina National Research Tomsk State University, Tomsk
3.	86392	Surface-modified porous Ti-based implants produced by additive methods for cranio-maxillofacial and dental surgery	Dr. B Subramanian CSIR-Central Electrochemical Research Institute, Karaikudi, Tamilnadu	Dr. Dmitry Shtansky National University of Science and Technology MISiS, Moscow
4.	86446	Development of test methods based on the	Prof. Mira Mitra	Dr. S A Smotrova

		pairing of electromagnetic and mechanical vibrations for monitoring of the structures state	Indian Institute of Technology Kharagpur, West Bengal	Central Aerohydrodynamic Institute, Moscow
5.	86396	Design and development of manufacturing processes for commercial production and implementation of farming mechanization for small farms and hilly terrains	Dr. Dipankar Neog CSIR-North East Institute of Science and Technology (CSIR-NEIST) Colo Jorhat Assam	Prof. Aldoshin Nikolai Vasilievich Russian Timiryazev State Agrarian University, Moscow