

Department of Science & Technology
International Division

An India-Belarus Joint call for proposals with the State Committee of Scientific Research of Belarus in the areas of (i) **Energy**; (ii) **Information and Communications Technologies**; (iii) **Biotechnology, Medicine and Pharmacy**; (iv) **Agrotechnology and Food Security** (v) **Clean Technology for Environment** and (vi) **Materials Sciences & Metallurgy** was advertised in July 2018. In total, 25 common proposals were received against the joint call for which last date was 31st August 2018. Based on scientific merit, complementarities of the project objectives, scientific strengths of the project coordinators and national priorities, the Department of Science & Technology, India and State Committee of Scientific Research of Belarus have jointly decided to support following 8 proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

SI No	Title	Indian Coordinator	Belarus Coordinator
1	Investigation of interfacial interaction and grain structure development in friction stir welds for dissimilar joining of high strength aluminum to titanium alloys.	Dr. Adepu Kumar, Department of Mechanical Engineering, National Institute of Technology, Warangal,	Dr. Boleslav Nemenenok, Head of the Department of Metallurgy of Ferrous and Non-Ferrous alloys, Belarusian National Technical University, Minsk, Belarus
2	Effect of mitochondrial targeted peptides and modulators of mitochondrial activity on tumor cells in vitro and in vivo systems	Dr. H.S. Parmar, School of Biotechnology, Devi Ahilya University, Indore	Dr. Vladimir Lukashevich, Institute of Physiology of the National Academy of Sciences, Belarus, Minsk
3	Designing of biocompatible coatings with antibacterial properties for polypropylene surgical meshes for improvement their functionality	Dr. Kunal Pal, Department of Biotechnology & Medical Engineering, National Institute of Technology, Rourkela	Prof. Vladimir Agabekov, The Institute of Chemistry of New materials, National Academy of Sciences of Belarus, Minsk,
4	Use of Modular green wall technologies for the improvement of the air environment of buildings	Dr. Ajai Kumar Tiwari, Division of Floriculture and landscaping, IARI, New Delhi	Dr. N. Getko, State Central Botanic Garden of the National Academy of Sciences of Belarus, Minsk

5	Development of Novel Hybrid Composites for Bone Plastics Based on Biocompatible Calcium Phosphates and Biopolymers	Dr. Santosh Sridhar Mysore, Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Bengaluru	Dr. Valentina Krutkom, Institute of General and Inorganic Chemistry, National Academy of Sciences of Belarus, Minsk
6	Rheophysics of semi-rigid road-building materials and optimization of their compositions for the perception of heavy transport load	Dr. Nikhil Saboo, Department of Civil Engineering, Indian Institute of Technology (BHU), Varanasi	Prof. Alexey Busel, Republican Subsidiary Unitary Enterprise, Belarusian Road Research Institute, Minsk
7	Screen printable metamaterial absorbers employing AgNW-MS2 [Mmo, W] hybrids	Dr. K.P. Surendran, CSIR-National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram	Dr. Polina Kuzhir, Institute for Nuclear Problems of Belarusian State University, Minsk
8	In ₂ S ₃ /Sn(S,Se) thin film heterojunctions for photovoltaic applications	Dr. K.T. Ramakrishna Reddy, Professor, Department of Physics, Sri Venkateswara University, Tirupati	Dr. Mikhail S. Tivanov, Department of Energy Physics, Belarusian State University, Minsk

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