

Department of Science & Technology
International Division

An India-Thailand Joint call for proposals with the Thai Ministry of Science & Technology in the areas of (i) Human Health sciences (ii) Renewable Energy covering solar cells and PV reliability; (iii) Photonics covering elastomeric optics and optical devices (iv) Geospatial Technologies covering creation of GIS of towns in Thailand for urban development and (v) Astronomy & Astrophysics was advertised in June 2018. In total, 33 common proposals were received against the joint call for which last date was 16th July 2018. Based on scientific merit, complementarities of the project objectives, scientific strengths of the project coordinators and commitment of funding from Thai Agencies, the Joint S&T Committee which met on 19th February 2019 jointly decided to support following 10 proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

SI No	Title	Indian Coordinator	ThaiCoordinator
1	3D printed flexible optical fibers using biodegradable PHBV/Graphene Nanocomposites for Biophotonics applications	Dr. Rajini Nagarajan, Department of Mechanical Engineering, Kalasalingam Academy of Research and Education, Anand Nagar, Virudhunagar District, Tamilnadu.	Dr. Ing. habil. Suchart Siengchin, King Mongkut's University of Technology North Bangkok. Thailand.
2	Computational studies of drug targets towards rational design of antiviral therapeutics for dengue infection	Dr. N. Latha, Sri Venkateswara College, New Delhi	Dr. T. Rungrotomongkol, Department of Biochemistry, Chulalongkorn University, Bangkok, Thailand.
3	Fabrication of a Biodegradable Elastomeric Microfluidics device	Dr. Nirmal Mazumder, School of Life Sciences, Manipal Academy of Higher Education, Manipal, Karnataka.	Dr. Pornsak Srisungsitthisunti, King Mongkut's University of Technology North Bangkok,
4	Cellulose nanocrystal reinforced pH-responsive PVA-gum tragacanth based proangiogenic smart wound dressings for diabetic foot care	Dr. Indranil Banerjee, Department of Biotechnology & Medical Engineering, National Institute of Technology, Rourkela, Odisha.	Dr. Prakit Sukyai, Department of Biotechnology, Faculty of Agro-Industry, Kasetsart University, Bangkok, Thailand.

5	Development of Strategies for Improving Reliability and Economic Performance of Microgrid	Prof. Pravat Kumar Ray, National Institute of Technology, Rourkela,	Prof. Suratsavadee, Koonlaboon Korkua, Walailak University, Thailand,
6	Wireless Body Area Networks : A magnetic Induction Communication Perspective	Dr. Vinay Kumar, Visvesvaraya National Institute of Technology, Nagpur	Dr. Lunchakorn Wuttisittikulij, Chulalongkorn University, Bangkok. Thailand
7	Investigation of Elastomeric Membrane Based Phonic Crystal Fiber Sensor for various applications	Dr. Ashish Kumar Ghunawat, Department of Electronics and Communication Engineering, Malaviya National Institute of Technology, Jaipur,	Dr. SurasakChiangga, Department of Physics, Kasetsart University, Bangkok
8	Influence of massive stars on the formation and evolution of low mass stars	Dr. Saurabh, Scientist E, ARIES, Manora Peak, Nainital	Dr. Ram Kesh Yadav, Researcher, NARIT, Princess Siridhorn, AstroPark, Chiangmail, Thailand.
9	Indo-Thai Collaboration for Studying pulsating Variables at Different Evolutionary Stages	Dr. Aruna Goswami, Indian Institute of Astrophysics, (IIA), Bengaluru.	Dr. David Mkrkichian, National Astronomical, Research Institute of Thailand (NARIT), Thailand.
10	Service Oriented Participatory Platform for Local SDI : Smart Civic Services for Second Tier Cities in Thailand and India	Dr. Surya Durbha, Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay	Dr. Sittichai Choosumrong, Department of Natural Resources & Environment, Faculty of Agriculture Natural Resources and Environment, Naresuan University.

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