

# India-Sri Lanka Joint Call for Proposals 2019

## Jointly Selected Proposals



सत्यमेव जयते  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India



State Ministry of Skills  
Development, Vocational  
Education, Research & Innovation  
Government of Sri Lanka

The Department of Science and Technology (DST), Government of India and the State Ministry of Skills Development, Vocational Education, Research & Innovation, Government of the Democratic Socialist Republic of Sri Lanka has launched a joint call for proposals in the areas of **(i) Food Technology; (ii) Plant base medicines; (iii) Metrology; (iv) Space Research & Applications; (v) Robotics & Automation; (vi) Industrial Electronics; (vii) Renewable Energy; (viii) Waste Management; (ix) Information and Communication Technology; (x) Any other project with national relevance (with Justifications)** in August 2019.

In total, 193 common proposals were received against the joint call for which last date (extended) was 28 Feb 2020. Based on scientific merit, complementarities of the project objectives, scientific strengths of the project coordinators, national priorities and availability of budget, The Department of Science and Technology (DST), Government of India and the State Ministry of Skills Development, Vocational Education, Research & Innovation, Government of the Democratic Socialist Republic of Sri Lanka have jointly decided to support following 09 projects and 03 workshop proposals. Project/workshop coordinators are being informed separately to complete administrative formalities for release of grant:

### Project Proposals

S.No.	Project Title	Indian PI	Foreign PI
1	Design, development and experimental evaluation of highly integrated multi-standard antennas for mimo implementation in automobiles as a part of intelligent transport system	Dr. Malathi Kanagasabai Anna University, Guindy campus, Tamil Nadu (600025) India	Dr. Jeevani Jayasinghe Department of Electronics, Wayamba University of Sri Lanka.
2	Cinnamon oil-based gelatin-chitosan composite films for active food packaging applications	Dr. Preetam Sarkar National Institute of Technology Rourkela Rourkela Orissa (769008) India	Dr. Suranga Wickramarachchi Senior lecturer Department of Chemistry University of Kelaniya Sri Lanka

3	Development of Cost Effective Portable Chemical Sensors for Seafood Quality Management	Prof.C Sekar Alagappa Puram, Alagappa University, Karaikudi, TamilNadu (630003) India	Prof. Nanda Gunawardhana Director Sri Lanka Technological Campus, Sri Lanka.
4	Exploration of phytomicrobiome for developing probiotic consortium for commercial application for enhancing sustainable agricultural productivity	Dr. Jay Prakash Verma Banaras Hindu University Varanasi, Varanasi Uttar Pradesh (221005), India	Prof. Saman Abeysinghe Professor Department of Botany University of Ruhuna, Sri Lanka
5	OrigamiSat for Structural Health Monitoring	Dr.Surendra Nadh Somala Indian Institute of Technology, Kandi, Sangareddy, Hyderabad Telangana (502285) India	H.M. Yasitha Chinthaka Mallikarachchi University of Moratuwa, Sri Lanka
6	Modulation of Scheelite InVO4, CaWO4 semiconductor employing carbon-supported Materials (graphene, g-C3N4, C-dots) as electron flow mediator and electrocatalysts for photoelectrochemical H2-O2 production direct splitting of water.	Dr. Chinmoy Bhattacharya Indian Institute of Engineering Science and Technology, Shibpur P.O. - Botanic Garden, Howrah, West Bengal 711103 India	Dr. HNM Sarangika Senior lecturer Faculty of Applied Sciences Sabaragamuwa University of Sri Lanka
7	Design and Development of a Low Power Hybrid PV-Wind Energy System	Dr. Monalisa Pattnaik National Institute of Technology Rourkela, Rourkela Orissa (769008) India	Prof. Wittahachchige DonAnura Senaka Wijayapala Associate Professor Department of Electrical Engineering University of Moratuwa, Moratuwa-10400, Sri Lanka
8	Sustainable construction practice through preparation of precast concrete blocks using construction-demolition and plastic waste	Dr. Saubhagya Kumar Panigrahi Veer Surendra Sai University of Technology Siddhi Vihar, Engineering College, Burla Burla, Orissa (768018), India	Dr. Chaminda S Bandara Senior Lecturer Department of Civil Engineering, Faculty of Engineering, University of Peradeniya, Sri Lanka
9	Development of a prototype device for oxygen separation from air, a strategic technological solution to control the food spoilage	Dr. Sibnath Kayal O P Jindal University Punjabpatra Raigarh Chhattisgarh (496109) India	Dr. Terrence Madhujith Professor Department of Food Science and Technology, Faculty of Agriculture, University of Peradeniya, Sri Lanka

## Workshop Proposals

S.No.	Project Title	Indian PI	Foreign PI
1	International Workshop On Technology And Resource Development For Low-Resourced South Asian Languages	Dr. Bornini Lahiri IIT Kharagpur Kharagpur, West Midnapur, West Bengal (721301) India	Prof. Gihan Dias Professor NLP Centre University of Moratuwa, Sri Lanka
2	Indo-Srilankan Workshop On Functional Materials For Clean And Sustainable Energy Technologies (FMCSET 2020)	Dr. Bala Sundara Prabhu R PSG College of Technology Post Box No. 1611, Peelamedu, Coimbatore, TamilNadu (641004) India	Prof. Punniamoorthy Ravirajan Senior Professor in Physics, University of Jaffna, Sri Lanka
3	Formulation of Strategic Management of Sugarcane White Leaf Disease in Commercial Plantations in India and Sri Lanka	Dr. Govind Pratap Rao Indian Agricultural Research Institute, Hill Side Road, Pusa, New Delhi-110012, India	Dr. Anw Sumedha Thushari Research Officer Department of Plant Pathology ,Sugarcane Research Institute Uda Walawe, Sri Lanka

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