

DECISION DOCUMENT
ON CO-FUNDING OF BULGARIA - INDIA JOINT S&T PROJECTS
HELD BY CORRESPONDENCE IN 2019

Pursuant to the Program of Cooperation (PoC) in science and technology between the Government of the Republic of India and the Government of the Republic of Bulgaria for the period 2018-2021, signed on 5th September 2018 in Sofia, a panel meeting of the India – Bulgaria Joint Committee for Scientific and Technological Cooperation (hereinafter referred to as Joint Committee) made the decision regarding the call for joint India-Bulgaria projects 2018.

1. Selection and approval of the joint S&T projects for the years 2019-2021

A total Sixty-one (61) proposals were received from both sides against a joint call for proposals, announced in October 2018. These projects were evaluated independently from both sides as per their national guidelines. All conditions mentioned in joint call were also considered during the evaluation process from both sides.

After an exchange of individual evaluation results and further negotiations, both sides approved a total of Sixteen (16) joint proposals for funding during the years 2019-2021. The list of approved proposals is enclosed as Annex and is an integral part of this Document.

2. Conditions of the R&D projects for the years 2019-2021

Both parties will provide funds for the projects according to the conditions of the call for proposals published in October 2018. The grant is provided as per rationale of proposed objectives in India and 28 000 BGN per project in Bulgaria.

3. Future Actions

The Parties agreed that they will discuss future joint measures via correspondence.

The responsible authorities in both countries are:

In India:

Department of Science and Technology
Ministry of Science and Technology
Technology Bhawan, Mehrauli Road
New Delhi – 110016
Ph.011-26590304

In Bulgaria:

National Science Fund
Ministry of Education and Science
2A, Kniaz Alexander Dondukov blvd.
Sofia 1000, R Bulgaria
Ph: +359 887 605 455

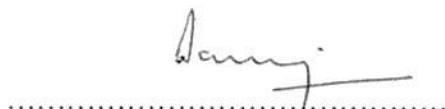
For the Bulgarian Part



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PROF. D.SC. GEORGI VAYSSILOV
Manager of National Science Fund
Ministry of Education and Science

For the Indian Part



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MR. SANJEEV KUMAR VARSHNEY
Head & Advisor,
International Bilateral Cooperation
Division (IBCD)
Department of Science and Technology
Ministry of Science and Technology

Annexure - The approved India-Bulgaria Joint S&T projects

S. No	Title of the Project	Research Area	Indian PI	Address of the Indian PI	Bulgarian PI	Address of the Bulgarian PI
1.	Design and Analysis of Mathmaterial Based Antenna for Wearable Application.	Information and communication technologies material and material science	PROF. NAVNEET GUPTA	Faculty in Electrical and Electronics Engineering Birla Institute of Technology and Science, Pilani, Rajasthan 333031, India	PROF- PLAMEN DANKOV	Sofia University St. Kliment Ohridski, Faculty of Physics
2.	Advanced coordinated control and projection of intelligent dc micro grids.	Renewable Energy	DR. BHARAT SINGH RAJPUROHIT	School of Computing and Electrical Engineering Indian Institute of Technology Mandi, H.P. Kamand- 175005, India	DR. DIMITAR BOGDANOV	Sofia University St. Kliment Ohridski, Faculty of Physics
3.	Polarization-sensitive auto-fluorescence spectroscopy and microscopy for cancer detection	Healthcare biomedical appliances, bioethics, pharmacy and traditional medicine	DR. NIRMAL MAZUMDER	Department of Biophysics, School of life sciences, Manipal academy of Higher Education, Planetarium Complex, Manipal, Karnataka, India-576104	DR. EKATERINA GEORGIEVA BORISOVA	Institute of Electronics Bulgarian Academy of Sciences
4.	Phase change material based thermal energy accumulators in solar thermal and waste-heat recovery systems	Renewable Energy	DR. SUBARNA MAITI	Engineering Cell CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar 364002 Gujarat, India	ASSOC. PROF. DANIELA BOYANOVA DJOKOVA-ATAN ASSOVA	Institute of Chemical Engineering at the Bulgarian Academy of Sciences
5.	FPGA based system for	Information and	DR AMITA	Computer and Communication	DR. KRISTINA	Technical University of Varna




	registration of diffraction pattern	communication technologies	NANDAL	Engineering Department Manipal University Jaipur 303007, India	BLIZNAKOVA	Varna, Bulgaria
6.	Exploring the natural diversity in tomato germplasm for phosphate starvation responses	Biotechnology, agriculture and food technology	DR. RAHUL KUMAR	University of Hyderabad C.R Rao Road, Gachibowli Hyderabad	KIRIL_MISHEV	Institute of Plant Physiology and Genetics- Bulg Acad Sci (IPPG BAS) Acad. G Bonchev Street, Bldg. 251 113, BG
7.	Exploring ruthenium based metaliodendrimers for improved anticancer activity and mode of action	Chemical Science	DR. SUMAN MUKHOPADH YAY	Discipline of Biosciences & Biomedical Engineering Indian Institute of Technology Indore Simroi 453552	PROF IVO GRABCHEV	Sofia University St. Kliment Ohridski Sofia 1407
8.	Purification of Hafnium metal sponge using Electron Beam melting and preparation of hafnium metal targets for electronic application	Engineering - Material and Material Science	DR RATHESH	Centre for Material for Electronics Technology Ida, Phase III, Hel Post, Cherlapalli, Hyderabad, Telangana 500057, India	KATIA VUTOBA	Institute of Electronics, Bulgaria Academy of Science IE-BAS) 3592 979 5900
9.	Ultrahigh-Efficiency lead free Perovskite solar Cells	Renewable energy	DR AJAYA KUMAR SINGH	Govt V.Y. T.P.G. Autonomous College Durg, Chhattisgarh India	DR MARIYA ALEKSANDROVA	Department of Microelectronics, Technical University of Sofia, Bulgaria
10.	Stable and High Sensitive Low Dimensional Perovskite Photodetectors	Engineering - Material Science/ Solar Material	DR. HABIB M PATHAN	Department of Physics Savitribai Phule Pune University Pune	DR. GEORGI DOBRIKOV	Department of Microelectronics technical University of Sofia Bulgaria.
11.	Eruption flows and waves in	Astronomy and	DR RAMESH	Department of physics,	DR.	Institute of Astronomy with




	solar atmosphere and their role in space weather.	Space	CHANDRA	DSB Campus, Nainital 263002	KOSTADINKA KOLEVA	NAO, Bulgaria Academy of Science 359 2974 19 10
12.	Contemporary approaches for processing and analysis of multidimensional singles in telecommunications	Information and communication technologies	DR. PARVINDER SINGH,	Department of Computer Science and Engineering Deenbandhu Chhotu Ram University of Sci & Tech Murthal, Haryana 131039, India	DR RUMEN MIRONOV	Technical University of Sofia bulv. Kl Ohridsky Sofia Bulgaria
13.	Processing and characterization of hybrid non-equilibrium composites fabricate by friction Stir Processing (FSP)	Engineering-Material and Material Science	KRISHNA KISHORE MUGADA	Department of Mechanical Engineering Gayatri Vidya Parishad College of Engineering Madhurawada, Vishakhapatnam Andhra Pradesh 530002, India	CHRISTO KONDOFF	Bulgarian Academy of Science Sofia
14.	Exploiting the Zn-ferrite thin films material an assortment of spintronics devices	Engineering-Material and Material Science	MURTAZA BOHRA	Mahindra Ecole Centrale IA, Survey No: 62, Bahadurpally, Hyderabad, Telangana 500043, India	KIRIL KREZHOV	Institute of Electronics- Bulgarian Academy of Science, Sofia, Bulgaria
15.	Green and sustainable catalyst based on zeolites for oxidative transformation reaction	Chemical Science	UTPAL BORA	Department of Chemical Science, Tezpur University, Napaam, Tezpur, Assam 784028, India	YURI KALVACHEV	Institute of Catalysis, Bulgarian Academy of Science, Acad Georgi Bonchev St, B1 11, sofia Bulgaria
16.	Capsicum germplasm exploitation for resistance against important capsicum viruses across Bulgaria and India	Biotechnology, agricultural and food technology	PRAMESH . D	University of Agricultural science Raichur, Karnataka – 584104 India	DR. GANCHO PASEV	Marista Vegetable Crops research institute 32 Brezovsko shosee, plodiv- 4003

