



University Grants Commission
Ministry of Human Resource Development,
Govt. of India
Bahadurshah Zafar Marg,
New Delhi – 110 002



No. F. 6-1/2012(IC)

April, 2018

**List of Selected Projects under India- Israel Joint Research
Programme (4th Cycle)**

| S. No. | App No. | Project Titled | Details of Indian Project Investigator | Details of Israeli Project Investigator |
|--------|---------|--|---|---|
| 1 | 2701 | what role do tropical thunderstorms play in driving the upper tropospheric water vapor feedback | Anirban Guha, Department of Physics, Tripura University, Tripura - 799 022, anirbanguha@tripurauniv.in | Colin Price, Department of Geosciences, Tel Aviv University, cprice@flash.tau.ac.il |
| 2 | 2711 | New Catalysts for Sustainable Polymers and Copolymers | Debashis Chakraborty, Department of Chemistry, Indian Institute of Technology, Madras - 600 036, dchakraborty@IITM.AC.IN | Moshe Kol, School of Chemistry, Tel Aviv University, moshekol@post.tau.ac.il |
| 3 | 2713 | Developing a Mechanistic Understanding of Moist Tropical Systems | Jai Sukhatme, Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bangalore - 560 012, jai.goog@gmail.com | Nili Harnik, Department of Geophysics, Tel Aviv University, harnik@tau.ac.il |
| 4 | 2727 | Assessing the possible role of Criegee intermediates (CI) as atmospheric oxants in the northwest Indo-Gangetic Plain | Vinayak Sinha, Department of Earth and environmental Sciences, Indian Institute of Science Education and Research, Mohali - 140 306, profvsinha@gmail.com | Yinon Rudich, Earth and Planetary Sciences, Weizmann Institute of Science, yinon.rudich@weizmann.ac.il |
| 5 | 2723 | Dynamics of the transition zone in a coastal aquifer due to pumping saline groundwater for desalination plants | T.I. Eldho, Dept. Civil Engn., Indian Institute of Technology Bombay - 400 076, eldho@civil.iitb.ac.in | Amir Paster, School of Mechanical Engineering, Tel Aviv University, paster@tau.ac.il |

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| 6 | 2717 | Understanding the ecology of fear through nutrition: disentangling needs from constraints | Maria Thaker, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, mthaker@ces.iisc.ernet.in | Dror Hawlena, Ecology, Evolution and Behavior, Hebrew University, dror.hawlena@mail.huji.ac.il |
| 7 | 2728 | Role of the chironomid midge microbiome versus its intrinsic physiological factors in maintaining homeostasis under environmental stress conditions | Bimalendu B. Nath, Department of Zoology, S. P. Pune University, Pune - 411 007, bbnath@gmail.com | Malka Halpern, Department of Biology and Environment, University of Haifa, mhalpern@research.haifa.ac.il |
| 8 | 2716 | Environmental stress responses in protein structure and metabolism of plant and algal chloroplasts | Rajagopal Subramanyam, Department of Plant Science, School of Life Sciences, University of Hyderabad, Hyderabad - 500 046, srgsl@uohyd.ernet.in | Nathan Nelson, Department of Biochemistry, Tel Aviv University, nelson@post.tau.ac.il |
| 9 | 2747 | Low-cost Array-based Earthquake Early Warning for Eastern India | Prosanta Khan, Department of Applied Geophysics, Indian Institute of Technology (Indian School of Mines), Dhanbad - 826 004, khanprosanta1966@gmail.com | Gilles Hillel Wust-Bloch, Department of Geophysics and Planetary Sciences, Tel Aviv University, hillel@seismo.tau.ac.il |
| 10 | 2712 | Mixed explosives biodegradation for remediation of contaminated ground water | Gurunath Ramanathan, Department of Chemistry, Indian Institute of Technology, Kanpur - 208 016, gurunath@iitk.ac.in | Zeev Ronen, Department of Hydrology and Microbiology, Ben-Gurion University, zeevrone@bgu.ac.il |
| 11 | 2740 | Daily PM2.5 estimation by fusion of multiple earth-observation satellite products | Tirthankar Banerjee, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi - 221 005, tb.iesd@bhu.ac.in | David M. Broday, Civil and Environmental Engineering, Technion- Israel Institute of Technology, Israel dbroday@technion.ac.il |

Approval letters will be issued to the PIs/ Selected Universities/ Institutions, shortly.



Mriganka Sekhar Sarma
(Education Officer)