Department of Science & Technology
International Division

An Indo-Korean Joint call for proposals under the Programme of Cooperation with the Ministry of Science and ICT of the Republic of Korea in the areas of (i) Engineering Sciences (ii) Health & Medical Sciences and (iii) ICT Convergence was advertised in June 2017. In total, 218 common proposals were received against the joint call for which last date was 31st July 2017. Based on scientific merit, complementarities of the project objectives, scientific strengths of the project coordinators, national priorities of both the countries and availability of fund, Department of Science & Technology, India and Ministry of Science and ICT of the Republic of Korea have jointly decided to support following 12 proposals. The duration of the project would be for 3 years. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

Sl No	Title	Indian Coordinator	Korean Coordinator
1.	Single Crystal Perovskites : Telescoping Syntheses and its Goldilocks for High Efficiency Solar Cells. **(ROK-209)**	Dr. Murali Banavoth University of Hyderabad	Prof. Sang Il Seok UNIST, Ulsan
2.	Development of a strategy for optimal power production from a 100 kW Class Horizontal Axis Tidal Stream Turbines System **(ROK-37)**	Dr. Abdus Samad, Indian Institute of Technology, Madras	Dr. Shin Hyung Rhee Seoul National University
3.	Design and Development of Organic-Inorganic, Hybrid Adsorbents incorporated Polymeric Membranes for Environmental Application **(ROK-184)**	Dr. N. Balasubramanian, Anna University, Chennai	Dr. Yun Suk Huh, Inha University, Incheon
4.	Hybrid multi-dimensional nanomaterial architecture engineering for smart wearable electronics, energy-generating device and sensor applications **(ROK-10)**	Dr. Abhishek Kumar Singh, Indian Institute of Science, Bangalore	Dr. Jonghyurk Park, Electronics & Telecommunication Research Institute (ETRI), Daejeon
5.	Robust Motion Control Design for an underwater robot with tilting thrusters **(ROK-27)**	Dr. Santhakumar Mohan Indian Institute of Technology, Indore	Dr. Tae Won Seo Ueungnam University, Gyeongsan

6.	Highly accurate compact digital holographic microscope for automatic cell classification by noise reduction and deep learning **(ROK-222)**	Dr. Arun Anand, The M.S. University of Baroda	Dr. Myungjin Cho, Hankyong National University, Kyonggi-do
7.	QoS provision for Multigigabit-supporting 5G wireless mobile networks **(ROK-106)**	Dr. Jun Bae Seo, Indian Institute of Technology Delhi	Dr. Hu Jin, Hanyang University, Seoul
8.	Internet Service Architecture for Emerging Information Service Ecosystem **(ROK- 32)**	Dr. D. Manjunath, Indian Institute of Technology Bombay	Dr. Changhee Joo, Ulsan National Institute of Science and Technology
9.	Engineering of point-spread-function for sub-diffraction limited nonlinear optical microscopy of nanostructure and biological samples **(ROK- 94)**	Dr. Varun Raghunathan, Indian Institute of Science, Bangalore	Dr. Hyunmin Kim, Daegu Gyeongbuk Institute of Science and Technology (DGIST)
10.	Spatiotemporal Targeting of Multiple Pathways Using Engineered Polymer Gatekeepers in Porous Nanomaterials for Cancer Combination Therapy **(ROK- 26)**	Dr. Avinash Bajaj, Regional Centre for Biotechnology (RCB), Faridabad	Dr. Ja-Hyoung Ryu Ulsan National Institute of Science & Technology, Ulsan
11.	Study of the TNF-a regulated metabolic reprogramming in breast cancer using high resolution proteomics **(ROK- 151)**	Dr. Rajesh Singh, The MS University of Baroda	Dr. Eugene C.Yi, Seoul National University, Seoul
12.	Injectable Immunomodulatory Cryogels for the Treatment of Avascular Bone Necrosis **(ROK- 104)**	Dr. R. Jayakumar, Amrita University, Kochi	Dr. Nathaniel S. Hwang, Seoul National University, Seoul

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