

Department of Science & Technology
International Division

An India-South Africa Joint call for proposals under the collaboration between Department of Science & Technology, Govt. of India and National Research foundation, Republic of South Africa was announced on July 29, 2015 in the area of Agriculture Biotechnology and Indigenous Knowledge Systems. In total 45 joint proposals were received against the Call for which last date was October 30, 2015. Based on scientific merit, national priority of both the countries and scientific strengths of the project coordinators, Department of Science & Technology, Govt. of India and National Research foundation, Republic of South Africa have jointly decided to support following **14** proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

Sl. No	Title	Indian Coordinator	Tunisian Coordinator
1.	Structural and Functional Analyses of Geminiviral Rep Proteins	Prof. Supriya Chakraborty, School of Life Sciences, Jawaharlal Lal Nehru University.	Prof. Marie Emma Chrissie Rey, University of the Witwatersrand, South Africa
2.	In vitro mass culture of Steinernema jeffreyense, a biocontrol agent against key insect pests	Dr. Prasanna Belur D, National Institute of Technology Karnataka, Surathkal.	Dr. Antoinette P Malan, Stellenbosch University, South Africa
3.	Enhancing drought tolerance in crops species using biotechnological approaches	Prof. Sanjib Kumar Panda, Life Science & Bioinformatics, Assam University, Silchar.	Dr. Christell Vander Vyver, Stellenbosch University
4.	Elucidating stress-responsive pathways by comparative proteome mining in legumes and cereals	Prof. Subhra Chakraborty, National Institute of Plant Genome Research, New Delhi	Prof Bongani Ndimba, ARC, South Africa
5.	Characterization of withanolides biosynthetic pathway genes and withanolide contents in vegetative and reproductive phase of Withania somnifera (L.) Dunal under salinity stress	Dr. A. Muthusamy, School of Life Sciences, Manipal University	Prof. A-M Botha Oberholster, Stellenbosch University,

6.	Development of a riboflavin enriched probiotic fermented product to mitigate riboflavin deficiency in Indian & South African children.	Dr. Vijendra Mishra, NIFTEM, Kundli, Sonapat.	Prof. Leon Milner Theodore Dicks, University of Stellenbosch.
7.	Development and Standardization of Harpagophytum Procumbens (Devil's Claw) Herbal Formulations for the Treatment of Low Back Pain as per regulatory requirements	Prof. Buchi N. Nalluri, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada	Prof. Roderick B. Walker, Rhodes University
8.	Evaluation of nutraceuticals derived from indigenous millets for anti-tumorigenic activity and its action on the potential therapeutic targets, Notch4 and TBX3, in Oral Squamous Cell Carcinoma (OSCC).	Dr. Devi. A, SRM University, SRM Nagar Kattankulathur	Prof. Sharon Prince, University of Cape Town, SA
9.	Investigations into the cancer chemopreventive activities of the dietary flavonol fisetin	Prof. Rana P. Singh, School of Life Science, Jawaharlal Nehru University	Dr. Catherine H Kaschula, University of Cape Town
10.	Nutritional and nutraceutical properties of cereal and legume-based traditional foods from India and South Africa and their role in addressing malnutrition, hidden hunger and chronic non - communicable diseases.	Saikat Datta Mazumdar, International Crops Research Institute for the semi-arid tropics, Patancheru, Telangana	Prof. Kwaku Gyebi Duodu, University of Pretoria

11.	Development Of Moringa Enriched Isothiocyanate As Nutraceutical Activator Of Nrf2 Signaling For Mitigation Of Dyslipidemia	Dr. Rajesh K Thimmulappa, JSS Medical College, JSS University, Mysuru	Dr Anil Amichund Chuturgoonn, University of KwaZulu-Natal
12.	Investigation of Traditional Medicines used as Anti-infective and against Neurodegenerative Disease	Prof. Pulok K Mukherjee, Jadavpur University	Dr.Matsabisa MG Motlalepula, IKS University of the Free State , SA
13.	Cell death induced by combination of photodynamic therapy with phytochemicals isolated from Vaccinium nilgiriensis on breast cancer therapy- an in vitro approach	Prof. T. Parimelazhagan, Bharathiar University, Coimbtore	Prof. Heidi Abrahamse, University of Johannesburg
14.	Development of innovative Indigenous knowledge system (IKS)-based new cosmetic raw material: Isolation, extraction and chemical profiling of melanin biosynthesis pathways-based natural compounds from Indian and South-African medicinal plants.	Dr. Sandeep Chaudhary , Malaviya National Institute of Technology, Jaipur	Prof.Lester M. Davids University of Cape Town