Biotechnology Industry Research Assistance Council  
(A Govt of India Enterprise)

Anounces 5th Call

of

Social Innovation Programme for Products: Affordable & Relevant to Societal Health
(SPARSH)

Innovate for Agriculture

with focus on

Innovative Diagnostic tools for Soil and Plant Health

Areas for support

- Development of efficient, low cost, easy to use sensors for estimation of pH, moisture, macro and micronutrients, organic matter, etc. for on the spot soil fertility analysis
- Development of software and mobile app to analyse test results for appropriate soil amendments
- Use of GIS, GPS, and Remote Sensing techniques for capturing variability in soil fertility
- Big data analytics tools and techniques, IOT, etc.
- Tools/techniques for estimation of both pathogenic (fungi, nematodes, etc.) as well as beneficial organisms (rhizobia, mycorrhizae, etc.) in the soil
- Development of sensors/simple tools for estimation of nutritional status in plant tissue to determine nutrient deficiency and plan proper fertilizer application
- Rapid, specific and low cost diagnostic kits for on-site detection of various plant diseases caused by bacteria, viruses, fungi, etc. to minimize production losses
- Other related activities

Who can apply

- Indian start-ups, entrepreneurs, Limited Liability Partnership (LLP)
- Indian Academic Scientists, Researchers, Ph.D.s (willing to incubate in a business incubator)

How to apply

Proposals are required to be submitted online only. For scheme details and submission of proposal, please log on to BIRAC website (www.birac.nic.in)

Last date for submission of proposals: 15 March 2017

For queries, please contact
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