

Dr. Shivani Srivastava

Research Associate

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Dr Shivani Srivastava is Research Associate at Teri-Deakin Nanobiotechnology Centre, TERI, Gurugram, India working on *in vitro* based arbuscular mycorrhizae studies. She has completed her doctorate from Deakin University, Australia in September 2015. Her research strength lies in the development of mycorrhizal biofactories in *in vitro* and their utilization as biological and biochemical factories followed by upscaling of the same under novel bioreactor technologies. Enhancement in the production of compounds vital for human health also constitutes one of her research abilities. She has also studied utilization of chemiluminescence based assays for the assessment of antioxidant activity of plant extracts. She also has experience of working in quarantine facilities at Department of Agriculture, Fisheries and Forestry, Centre for AgriBioscience, La Trobe University, Melbourne, Australia. Furthermore, she also possesses experience of two years in the field of academics with expertise in the field of plant biotechnology and bioprocess engineering. She has four research articles to her credit in peer reviewed journals.

Current Research Involvements:

- Development of novel technologies for large scale production of arbuscular mycorrhizae fungi
- Mycorrhiza associated bacteria isolation, characterization and identification
- Development of biocompatible extraction methodologies for mycorrhizal biofactories