

Dr. Braj Raj Singh

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He has obtained M.Sc and Ph.D degrees in Agricultural Microbiology from Aligarh Muslim University, India. Dr. Singh's broad area of research interest includes Nanobiotechnology, Microbiology, and Molecular biology. In Nanobiotechnology specifically, his expertise lies in the synthesis and study of the properties of nanomaterials of different shape, sizes using biological resources and type of electronic motion in atom controls its properties and applications. He is proficient in making and studying the properties of these nanometer range materials (e.g. Quantum dots, graphene, nanoclusters, oxide, metals, nanocomposites and doped materials). His work has been published in over 60 research papers in reputed national and international journals and he is also a member of editorial boards for many of them and also acts as an invited reviewer for several such reputed journals. Prior to TERI-Deakin Nanobiotechnology Centre, he worked as CSIR-Pool Scientist (Bionanotechnology) (2012- July-2015) at the Centre of Excellence in Materials Science (Nanomaterials), ZH College of Engineering & Technology, Aligarh Muslim University, Aligarh, India. Earlier, he was Assistant Professor (Molecular Biology) (2008 to 2011), College of Science, King Saud University, Saudi Arabia.

Current Research Involvements:

- Green and biosynthesis of nanomaterials using indigenous resources
- Development of plant nanonutrients from industrial wastes and natural mineral sources
- Development of eco-friendly nano-carries for smart and efficient delivery of agri-inputs