



Brief Biography of Dr. Sunil K. Singh

Received DST Young Scientist Award, Post-Doctoral Fellowship (International Crops research institute for Semi-arid Tropics (CRISAT) and trained at Friedrich-Schiller University, Jena, Germany. Fellow of three professional societies, remained Editor in Chief of An international Journal of Research, peer reviewed manuscripts of foreign research journals. Prepared current status report for FAO on “Current Status of Mushroom Genetic Resources in India”. Developed expertise in advanced molecular tools and techniques and revealed inter and intra-species genetic diversity in a wide range of microbes and plants and registered 500 novel gene sequences of mushrooms, fungi, bacteria and plants with NCBI, USA to address Indian microbial and plant biodiversity. Remained In-charge of Mushroom Gene Bank, RFS for spawn production and Editor-in-Chief of Mushroom Research Journal. The novel Cryo-preservation and Lyophilization techniques developed are being utilized to conserve National Mushroom Gene Bank germplasm. Reported a number of hitherto new fungal diseases and hosts of several important dry-land crops. Developed IPM strategies for integrated management of legumes and oil seeds to combat pests and diseases and his recommendations were adopted by SKUAST-J University as package and practice for the benefit of farmers in rainfed areas. Significantly contributed to molecular characterization and process of biosynthesis of agriculturally important metal nanoparticles by potential microbes. Recognized as Ph. D. guide by JivaJi University, Gwalior, Jai Narain University, Jodhpur and BanasthaliVidyapeeth, Rajasthan by the Research Councils. Trained more than 50 post graduate students, teachers and scientists from Universities and ICAR institutes in molecular diagnostic techniques of microorganisms, pathogens and plants. Presently serving as editorial board Member of The Open Biotechnology Journal which is an Open Access online journal of Bentham Open publication house.