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- Education and experience
- M.Sc. Botany, University of Pune
 - Ph.D. Biotechnology, University of Pune
 - 34 years research experience on *in vitro* regeneration aspects of Tree species, Ornamentals and Orchids, Horticultural and Plantation crops.
 - *In vivo* and *in vitro* evaluation of growth; heavy metal tolerance and accumulation potential; studies on stress physiology and genetic transformation of suitable plants for phytoremediation.
 - Nanobiotechnology
- Achievements
- Optimized protocols for *de novo* organogenesis and *A. rhizogenes* mediated genetic transformation.
 - Identified potential heavy metal hyperaccumulators native to Mn and Cu mine sites.
 - Biosynthesis and characterization of intra and extracellular nanoparticles by living plants.
- Research subjects
- Life Sciences
- Research Areas
- Micropropagation; *in vitro* morphogenesis; genetic transformation
 - Application of biotechnological tools for Phytoremediation
 - Biochemical and biophysical studies of heavy metal stress
 - Synthesis of nanoparticles using plants
- Recent publications
- D. Raju, Sulekha Hazra, **Urmil J. Mehta***. Bioremediation, Biodiversity and Bioavailability (2013) 7(1):54-60.
 - D. Raju, **Urmil J. Mehta***, Absar Ahmad*. Current Nanoscience (2013) 9: 107-112.
 - D. Raju, **Urmil J. Mehta***, Absar Ahmad*. Biotechnology and Applied Biochemistry (2012) 59(6):471-478.
 - V.S.S. Prasad, M. M. Jana and **Urmil J. Mehta***. Bionano Frontiers, Special Issue-6 (2011)113-118.
 - D. Raju, **Urmil J. Mehta**, Sulekha Hazra*. Trees – Structure and Function, 25 (2011) 145-151.