

**Dr (Mrs.) Varsha A. Parasharami**

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Division:

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Plant Tissue Culture Division

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Education and experience

- M.Phil ( Bio-Sciences) Bhopal University
- Ph.D. (Biotechnology) Pune University
- Visiting Scientist to Sweden under INDO: SWEDISH Project on ‘Tree Tissue Culture’ in 1995 and 2002 for Biotransformation studies in Pines.

Achievements

- Recipient of CSIR Technology Award with other NCL PTC scientist 1990.
- Recipient of FIE Foundation Award. 1990.
- One U.S .and Two Indian Patent.
- Paper in Nature ( First Paper from NCL,Pune in 1990)

Research subjects:

Biotechnology and Plant Tissue Culture.

Research Areas

- Tree Tissue Culture Technology development.
- Medicinal Plant Biotechnology.
- Genetic transformation studies using Biolistic transformation and *Agrobacterium rhizogene* transformation.
- Biodiversity Analysis in tree species.
- Phytochemical analysis and Studies on Lectins in medicinal tree species especially *Ficus* species and *Adansonia* spp - an endangered tree species.

Recent publications

- Singh S, **Parasharami VA** and Rai S. Medicinal uses of *Adansonia digitata*: An Endangered Tree Species. **(2013)Accepted for Publication** in J of Pharmaceutical and Allied Sciences (JPAS).
- **Parasharami VA**, Thengane SR. Inter population genetic diversity analysis using ISSR markers in *Pinus roxburghii* (Sarg.) from Indian provenances. International Journal of Biodiversity and Conservation 4: **(2012)**: 219-227.
- **Parasharami VA and John CK**, Biodiversity in plantation forestry: A Scientific perspective. Invited Paper in “ Strategies for Restoration of Forest Biodiversity of natural forests and plantations for State Forest Research Institute Jabalpur (M.P.).
- C. K. John and **VA Parasharami**. Bamboo: Application of Plant Tissue Culture Techniques for Genetic Improvement of a bamboo – *Dendrocalamus strictus* NEES. Chapter in Book.**(2012)** Wiley Blackwell Publishers.
- **Parasharami VA** and Saxena L. Callogenesis of leaf and arial roots of Mature Peepal tree. Pharmacum Consequat 1( **2011**). 19-26.
- **Parasharami VA**, Naik VB, von Arnold S, Nadgauda RS, Clapham DH. Stable transformation of mature zygotic embryos and regeneration of transgenic plants of *Pinus roxburghii* Sarg. Plant Cell Rep.24: **(2006)**708-714.