

Dr. Sujatha Raman, Ph.D.

Teaching-Research Associate
(State Govt. Approved)



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Education:

- † M.Sc. Botany-Pachaiyappa's College-Univ. of Madras, Chennai.
- † D.M.R.I.T. –BARC-Univ. of Bombay, Mumbai.
- † Ph.D. (Biotechnology)- National Chemical Laboratory –Univ. of Pune
- † I have joined Dept. of Biotechnology, Univ. of Pune in 2008.

Fellowships/Member/Academic or Research Recognition:

- ✓ Qualified **GATE & CSIR-NET (JRF)**, 1999.
- ✓ Authorized by DAE to work as “Radiological Safety Officer (Grade II)” in 1994.
- ✓ Life member of Society of Nuclear Medicine.
- ✓ Recognized examiner of Univ. of Pune & IGNOU.
- ✓ Visiting faculty in the Dept. of Technology, UoP.
- ✓ Honorary consultant of NIPHT, Talegaon, Pune

Teaching:

Plant Biology; Plant Tissue Culture & Plant Biotechnology

Research Interest:

- ♣ Exploitation of economically important **tree species and medicinal herbs** by **in vitro approach**.
- ♣ Understanding the **mechanism of heavy metal tolerance** in plant tissues and **synthesis of nanoparticles via biological route** and their application in medicine and environmental safety.

Selected Publications:

1. Chiti Tank, **Sujatha Raman**, Sujoy Karan, Suresh Gosavi, N P Lalla, Vasant Sathe, Richard Berndt^c, W.N. Gade, S V Bhoraskar and V. Mathe (2013) Antimicrobial Activity of Silica Coated Silicon Nano-tubes (SCSNT) and Silica Coated Silicon Nano-particles (SCSNP) Synthesized by Gas Phase Condensation. *J. Mat.Sci.: Mat. in Med.* 4:1483-1490. (IF-2.325)
2. **Sujatha Raman***, Dina E Dagne, N P Malpatak, W.N. Gade (2012) Evaluation of Indian cultivars of peanut on the induction of caulogenic buds *in vitro*. *Int. J. Agri. Forestry.* 2(4):171-174.(IF-0.902)
3. **K. Sujatha**, Ashwini R, Gupta V.S.& Sulekha Hazra (2010) Assessment of *Pongamia pinnata* (L.)- a bio diesel producing tree species using ISSR markers. *Curr. Sci.* 90(10):1327-1329. (IF-0.94)
4. **K. Sujatha**, B.M. Panda & Sulekha Hazra (2008) De novo organogenesis and plant regeneration in *Pongamia pinnata*, oil producing tree legume. *Trees struct. Funct.* 22:711-716.(IF-1.925)
5. Joshi M, **K. Sujatha** & Sulekha Hazra (2008) Effect of TDZ and 2,4-D on peanut somatic embryo-genesis and *in vitro* bud development. *PCTOC.*94: 85-90. (IF-3.633)
6. **K. Sujatha** & Sulekha Hazra (2007) Micropropagation of mature *Pongamia pinnata*. *Pierre. In Vitro Cell. Dev. Biol. Plant.* 43:608-613. (IF-1.139)
7. **K. Sujatha** & Sulekha Hazra (2006) *In Vitro* Regeneration of *Pongamia Pinnata*. *Pierre. J. Plant Biotechnol.* 33:263-270. (IF-0.964).