

PROFILE



NAME- DR.SOWMYA .R
QUALIFICATION M.Sc. M.Phil., Ph.D
DESIGNATION- ASSISTANT PROFESSOR IN BOTANY
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AREA OF SPECIALIZATION: Plant Pathology ,Microbiology and Plant tissue

Research publications in national and international journals:

1. **R.Sowmya** and D.Anusuya Effect of VAM fungi and PSB on growth and chemical composition of micropropagated banana. **1996** in **BIOFERTILISERS AND BIOPESTICIDES**.
2. D.H Tejavathi,**R.Sowmya** and K .S .Shailaja, Micropropagation of *Bacopa monnieri* using shoot tip and nodal explant. **Trop,med,Plants,Vol 2.No 1 (June 2001)**.
- 3.**Sowmya.R**.Tejavathi.D.H and Sukada Mohandas.Utilisation of VAMycorrhizal fungi and Trichoderma viride on plant growth and drug content of micropropagated *Bacopa monnieri*(L) Pennell in On line journal,**ECO,PORT E Article 2004**.
4. D. H.Tejavathi, **R. Sowmya**.K.Gayathamma and M. D.Rajanna . Antimicrobial activity of leaf extract of normal tissue cultured plants of *Agave Vera-cruz* in **J.Trop.Med.Plants.Vol.7 No 2(Dec 2006)**.
5. D.H. Tejavathi,K.Gayathamma and **R Sowmya** Production of plantlets from encapsulated invitro shoot buds and somatic embryos of Agave Vera –cruz Mill in **Plant cell biotechnology and molecular biology 2006. 7(3and 4):183-186**.

6.D.H.Tejavathi,H.R.Raveesha,**R.Sowmya**,D.R.Maruthikumar,K.Gayathamma,B,Pushpalatha,S hyama.A andBalasubramanyam Plantlet regeneration from callus and stem node explants of *Mentha citrata*. *Journal of medicinal and aromatic plant science* 29(2007) 32-34

7 D.H. Tejavathi, K.Gayathamma *and R.Sowmya* Induction of Somatic embroyos from cultures of Agave Vera-Cruz Mill in. *In vitro cellular and developmental biology-*, 43:423-428,2007.

List of research presentations and participation in Conference/Seminar/summer Institute workshops:

Sl No .	Conference/Seminar/summer Institute workshop, etc.,	Sponsor	Duration and year	(Presented/ Participated)
1	National symposium on frontiers in applied environmental microbiology	Cochin	December 11 th -13 th 1995	Participated
2	National symposium on emerging trends in plant tissue culture and molecular biology	Osmania university	January 29 th -31 st 1997	Presented
3	National symposium on microbial technology for environmental management and resource recovery	Delhi university	October 1 st -2 nd 1997	Presented
4	National conference on frontiers in biofertilisers and biopesticides	Maharashtra university	December 28 th -29 th 1997	Presented
5	National seminar on plant biotechnology	DARL Utharpradesh	May 6 th -8 th 1998	Participated
6	National seminar on plant genetic diversity evaluation and coservation	Punjab university	February 22 nd -23 rd 1999	Participated
7	Indian Science Congress	Bangalore university	3 rd -7 th January 2003	Participated
8	National seminar on Access to scholarly Electronic Journals/Data bases under UGC infonet	Bangalore university	29 th -30 th November 2004.	Participated
9	National seminar on Biological Sciences, it's impact on Environment	Bangalore university and SJRC college	20 th -22 nd January 2006	Presented
10	State level seminar on – Recent trends in Plant	UGC	29 th & 30 th Aug 2008	Participated

	Science			
11	State level seminar on – Genetic engineering and its impact	UGC	24 th Jan 2009	Participated
12	State level seminar on – Recent developments in Microbial technology	UGC	5 th & 6 th March 2007	Participated
13	National level conference on Biodiversity-and-biorospecting	UGC and UOM	16 th and 17 th March 2009	Participated
14	Hands on training Course - Gene expression study and analysis(work shop)	DOS in Biotechnology, Manasagangotri, University of Mysore, Mysore	23-11-2009 – 14-12-2009	Participated
15	National Level Seminar- ‘Advanced Trends & Perspectives in Biotechnology’	SBRR Mahajana College, Mysore	8 th & 9 th March 2010	Participated
16	Faculty development Program (VGSAT)	Dept of studies in Botany, ManasaGangotri, Mysore & Vision Group of Science & Technology VGSAT	6 th to 8 th March 2012	Participated
17	National Seminar On Statistical Methods and Data Analysis	Dept of Statistics, Yuvaraja s college , Mysore	September 26th & 27th, 2014	Participated
18	2 day UGC Sponsored National seminar on Educational Vision and Mission of Swami Vivekananda	Yuvaraja s college , Mysore	August 18 th , 19 th 2014	Participated

19	One Day State level Seminar on 'Recent trends in Plant Taxonomy'	Dept of Botany, Govt college for women, Mandya	29 th sep 2014	Participated
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