

## FACULTY PROFILE

**Dr. Leelavathi, S**

**M.Sc., M.Phil., Ph.D.**

**Professor,**

**Phytochemistry and Ethnobotany.**



**Number of Ph.D students guided successfully for the last 5 years : 5**

**Number of M.Phil students guided successfully for the last 5 years: 3**

**Number of papers published: 14 ( National -- 6 International : 8)**

**Number of M.Sc. Student Projects ( Dissertations ):-**

- 1) 2011-12 : 4
- 2) 2012-13 : 4
- 3) 2013-14 : 4
- 4) 2014-15 : 7
- 5) 2015-16 : 5
- 6) 2016-17 : 7

### **RESEARCH GUIDANCE :**

#### **Supervision of awarded Doctoral Thesis**

<b>Name of the Candidates</b>	<b>Title of the Research Topic</b>	<b>Year of award</b>
1. Smt. Surabhi Srivastava	Evaluation of ethnopharmacologically important plants <i>Catunaregum spinosa</i> Thunb. and <i>Pavonia zeylanica</i> Cav. for antioxidant and anticancerous activity.	2011
2. Mr. Ismail Shareef, M	Evaluation of Bioactive principles against Rheumatism from a few medicinal plants	2014
3. Smt. Bhavani, M.B.	Investigation on bioactive potential of medicinally important wild Cucurbitaceae plants.	2015
4. Ms. Vindhya, K	Studies on antioxidant potentiality of <i>Gardenia latifolia</i> Ait. and <i>Gardenia gummifera</i> Linn. Investigations on bioactive potentiality of <i>Blepharis</i> species.	2016
5. Smt. Neelambika		

6. Ramya S	-	Enrolled
7. Jamuna C	-	Enrolled

**M.Phil Guidance / Examiner:**

Name of the Student	University	Year of Award
1. Sankalpa,S.K	Supervision	2012
2. Rajesh, G.N	Supervision	2013
3. Kavya, M.	Supervision	2014

**M.Sc. Dissertation :**

Name of the Student	Subject	Year of Award
1. Anitha, B.S.	Phytochemistry	2012
2. Chethana, C.	Phytochemistry	2012
3. Kusuma, M.B.	Phytochemistry	2012
4. Safeena, B.	Phytochemistry	2012
5. Jamuna, C	Histo & Phytochemistry	2013
6. Raghavendra,H.K	“	2013
7. Somashekar,H.E	“	2013
8. Venugopal,S.M	“	2013
9. Jyothi,C	“	2014
10. Reshma Jacob	“	2014
11. Shanthala	“	2014
12. Shaishta Ambreen	“	2014
13. Namitha, N.	Histology & Phytochemistry.	2015
14. Noor Zaiba	Histology & Phytochemistry.	2015
15. Reshma Ayesha	Histology & Phytochemistry.	2015
16. Ranjitha,R	Histology & Phytochemistry.	2015
17. Rajesh,S	Histology & Phytochemistry.	2015
18. Vedavathi,K.B.	Histology & Phytochemistry.	2015
19. Vilma,D.P.	Histology & Phytochemistry.	2015
20. Arpitha, M.	Phytochemistry & Antioxidants analysis.	2016
21. Chaithrashree,K.R	Phytochemical and Antioxidant analysis.	2016
22. Poornima, T.C	Phytochemical and antioxidant analysis.	2016
23. Sangeetha,G.	Phytochemical and Antioxidant assay.	2016
24. Sneha, M.V	Phytochemical and Antioxidant assay.	2016
25. Chandrashekar, R.	Histochemistry, Phytochemistry and Antioxidant assay.	2017
26. Hema	- do -	2017
27. Manjunatha, N.	- do -	2017
28. Pramila, V.	- do -	2017
29. Priya, S.B.	- do -	2017

30. Rajani Bhat	- do -	2017
31. Savitha, K.V.	- do -	2017

## Research Publications

1. Surabhi Shrivastava, Sampath Kumara, K.K. and Leelavathi, S. 2011. Pharmacognostic and preliminary phytochemical investigation on leaf extracts of *Pavonia zeylanica* Cav. IJDDR, vol. 3 (2) : 192 – 197. **(IF : 0.21 )**
2. Ismail Shareef, M , Leelavathi, S. Jaganmohan Reddy and Abhilash, M. 2011. Preliminary phytochemical investigations on the antirheumatic principles in *Anisomeles malabarica* R.Br. and *Clerodendrum serratum* L. Int J of Life Sci and Pharma Res. Vol.1/Issue1/ 1-6.**(IF: 0.67)**
3. Ismail Shareef, M and Leelavathi, S. 2011. Evaluation of Antioxidant activity of *Anisomeles malabarica* R.Br. and *Clerodendrum serratum* L. extracts against Rheumatism. Research Journal of Pharmaceutical, Biological and Chemical Sciences. Vol.2/4/488-495. **(IF: 0.615)**
4. Ismail Shareef, M, Leelavathi, S. Thara Saraswathi, K.J. Sampath Kumara, K K. 2012. Evaluation of in-vivo antirheumatic activity of *Anisomeles malabarica* R.Br. International Journal of Current Research and Review, [www.ijcrr.com](http://www.ijcrr.com). Vol4/Issue13/July 2012,118 – 125.**(IF: 4.016)**
5. Ismail Shareef, M., Leelavathi, S. and Gopinath, S.M. 2013. Evaluation of in vivo activity of *Clerodendrum serratum* L. against rheumatism. International Journal of Innovative Research in Science, Engineering and Technology. Vol.2, Issue 12, 7750 – 7758.**(IF: 6.209)**
6. Bhavani M B, Leelavathi S and Ismail Shareef M. 2013. Preliminary phytochemical investigation on a few Cucurbitaceae Plants. Research Journal of Pharmaceutical, Biological and chemical Sciences, Vol 4/Issue 4/ 255 – 260.**(IF:0.615)**
7. Bhavani M B, Ismail Shareef M, Sampath Kumara, K K, Nethra, N S and Leelavathi, S. 2013. Evaluation of in vitro antioxidant activity of a few wild Cucurbitaceae plants against Cancer. International Journal of Pharmaceutical Research and Bio-Science.(IJPRBS), Vol 2 (6):529-536. **(IF: 5.121)**
8. Vindhya, K, Sampath Kumara K K. Neelambika H S. and Leelavathi, S.2014. Preliminary phytochemical screening of *Gardenia latifolia* Ait. And *Gardenia gummifera* Linn. Research Journal of Pharmaceutical, Biological and Chemical Sciences, vol.5.527 – 532.**(IF:0.615)**
9. Vindhya, K and S. Leelavathi, 2014. In-vitro cytotoxic activities of leaf extract of *Gardenia latifolia* Ait. And *Gardenia gummifera* Linn. Int. J. Pharm Sci Res. 5 (11): 4977-4980.**(IF:1.54)**
10. Neelambika H S. Vindhya K, Sampath Kumara K K and Leelavathi S. 2014. Preliminary phytochemical studies on *Blepharis madraspatensis* L. Heyne Ex. Roth, and *Blepharis*

*molluginifolia* Pers. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 5 (2): 783-788.(**IF:0.615**)

11. Neelambika H.S. and Leelavathi, S. 2014. In vitro comparative study of membrane stabilization capacity of different extracts of *Blepharis maderaspatensis* (L.) Heyne. Ex Roth. and *Blepharis molluginifolia* Pers. Grown in the region of Mysore, Karnataka. Int J Pharm Sci Res5(7): 2698 – 2702.(**IF:1.54**)
12. Vindhya,K., Pradeepkumar,P.M., Roopa, A.R. and Leelavathi,S. 2015. Evaluation of in vitro antioxidant potential of various leaf extracts of *Gardenia latifolia* Ait. International Journal of Innovative Pharmaceutical Sciences and Research. 3 (3): 176-190.(**IF:2.0157**)
13. Vindhya, K. and Leelavathi, S. 2015. Evaluation of antioxidant properties and total phenolic content of *Gardenia gummifera* Linn. International Journal of Pharmaceutical Sciences Review and Research. 32(1): 255-261.(**IF:0.65**)
14. Neelambika, H.S. and Leelavathi, S. 2015. Comparative antioxidant activity of whole plant of *Blepharis maderaspatensis* (L.) Heyne Ex Roth. and *Blepharis molluginifolia* Pers. of Mys dis by DPPH method, Indo American Journal of Pharmaceutical Research. 5(3): 1191-1196.(**IF:2.37**)
15. The effect of rubber factory effluent on seed germination, seedling growth and chlorophyll content of tomato, egg plant and chill. Asian J. Microbial Biotech. Env. Sc. Vol. 4(3). 2002.
16. Toxicity of sugar factory effluent on germination. Vigor index and chlorophyll content of paddy. Nature, Environment and Pollution Techno-logy. Vol. 1(3).2002
17. Effect of insecticidal and fungicidal seed treatments on seedling Vigour and chlorophyll content in red gram and sunflower during seed germination. Asian J. Microbial Biotech. and Env. Sc. Vol. 4(2). 2002
18. Effect of Gaucho & Apron on seed germination, seedling growth & chlorophyll content of two cultivar varieties of sunflower (*Helianthus annuus L.*) Pollution research. Vol. 21(3) 2002
19. Effect of some xenobiotics on early seedling growth & chlorophyll content in sunflower
20. during seed germination. Eco.Env.& Cons. 8(2). 2002
21. Individual & synergistic effect of metalaxyl & gaucho on chloroplast pigments, relative water content & stability index of chlorophyll in *Helianthus annuus, L.* Current Science 2(2) 2002
22. Effect of different soaking periods of dimethoate Asian Jr. of 2003 30% EC on early seedling growth, chlorophyll pigment & percent phytotoxicity on germinating seeds of green gram variety. Microbial Biotech. Env. Sc. Vol. 5(1)
23. Efficacy of antagonist fungal culture & culture filtrate spray on ergot development of pearl millet. Geobios new reports. 1992

### **Papers in conferences/ Seminars/ Proceedings:**

1. Preliminary studies on the effect of textile effluent on seed germination of paddy cultivars. Proc. of Dr. Shivaram Karanth memorial International seminar on air & water pollution of urban environment. 1998
3. Impact of sugar factory effluent on paddy seeds during germination. Proc. 88th Indian Science Congress. New Delhi. 2001
4. 3. Effect of Gaucho & Apron on seed germination, seedling growth & chlorophyll content of *Cajanus cajan* Mill. Proc. 88th Indian Science Congress. New Delhi. 2001
5. Effect of different imbibition periods on seedling vigour & chlorophyll of *Vigna radiata*.
6. National Seminar, NPCECC, Belgaum. 2001
7. Effect of Gaucho & Apron on seedling Morphology. Chlorophyll degradation & percent phytotoxicity of *Sorghum bicolor*, *L. dur-* -ing seed germination. International Congress of
8. chemistry & Environment, Indore. 2001
9. 6. Effect of pre-sowing seed treatments with Gaucho & Apron on early growth, germination, chlorophyll & phytotoxicity in Pigeon pea. International conference of SAARC Countries on Biotechnology in Agriculture, Industry & Environment Microbiologist society, Karad. 2001
10. Effect of seed treatment with imidacloprid Proc. of 89th Indian Science 2002 70 WS & metalaxyl 35 WS on early seedlings growth & Chlorophyll content on germinating seeds of *Zea mays*., Congress.
11. Effect of invitro seed treatment with gaucho 70 WS and Apron 35 WS seedling
12. vigour, chlorophyll degradation & phytotoxicity on germination seeds of
13. soyabean. National Seminar. Warangal, Andhra Pradesh. 2002
14. Effect of Krilaxyl & gaucho on chloroplast & protein content on early seedlings of sunflower. ISC, 90th session of Indian science Congress, Bangalore. 2003
15. 10. Participated in the Seminar as Convenor National Seminar on "Biosafety global models in research & clinical trails", organized by the consortium of MSRIT, SCE &
16. ACIT, Bangalore