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Area of specialisation : Taxonomy, Environmental Science and Phytochemistry
Research guide : Recognized as Research Guide of M.G. University
Ph.D s produced : Two
Ongoing Ph.D. s : Four (All the four completed their Pre Ph.D. Presentations)

Membership in Professional bodies/ Organizations

Fellow of Society of Environmental Sciences

Papers Published in International Journals

1. **D.Sheela** and S.Hema 2003, Phytosociological studies on *Eleutheranthera ruderalis* (SW). Sch.Bip; An extotic weed in Kerala; *Geobios* 30:271-273,.
2. **D. Sheela** and M. Soumya Das 2004, Effect of KSDP effluent on *Abelmoschus esculentus, L.*, *Geobios* 31:155-157,.
3. **D.Sheela**, *Spilanthes vazhachalensis* 2007, new spices from Kerala, India. *Journal of Economic and Taxonomic Botany*, Vol. 31, No.2.
4. **D.Sheela** and V.K.Rajeev 2007., Phytosociological Studies on *Leucas zeylanica* (L.) R.Br. *Geobios* 34(4), 286-287,
5. **D.Sheela** and G. Asha 2007, Ecological Studies on three medicinally important plants belonging to the family Compositae. *Nature and Pollution Technology*.
6. **D.Sheela** and D.Girija Kumari 2008, Phytosociological Studies on *Synedrella nodiflora*, Gaertn – A common weed in Kerala. *Indian J. Environ. and Ecoplan.* 15 (1-2):439-444

7. **D.Sheela** and V.Renjima 2008 Effect of Kerala State Drugs and Pharmaceuticals (K.S.D.P.) effluent on seed germination and growth of *Vigna radiata* L. *Indian Journal of Botanical Research*. Vol. 4 (3 & 4): 443 – 446.
8. **D.Sheela** and Deepa Peethambaran 2007, Impact of Distillery Factory, (Mc. Dowell and H.R.B. Co. Ltd, Cherthala) effluent on *Capsicum frutescence* L., *Jr. of Industrial Pollution Control*,. 23(2) PP 397-401.
9. Pressey Prakasia and **D.Sheela** 2009. Comparative study of heavy metals and major nutrients in different parts of *Lantana camera* L. in relation to ambient soil. *Indian Journal of Botanical Research*. Vol. 5 (3&4): 277 - 280
10. **D.Sheela** (2010). *Spilanthes ghoshinis*: A new species from Kerala, India *J.Econ. Taxon. Bot.* Vol. 34 No. 4
11. **D.Sheela** and P.S.Anila 2010. The impact of distillery effluent on germination and growth parameters on *Vigna sinensis* L. *Nature Environment and Pollution Technology*. Vol. 9 No.3. 645 – 648.
12. Neena Unnikrishnan, **D.Sheela** and C.I.Jolly 2010. Pharmaco-chemical characterization of *Ficus bengalensis*, L. *Indian Journal of Botanical Research* Vol.6
13. **D.Sheela** and S.Soja 2010. Impact of effluent from McDowell and H.R.B Company Limited, Cherthala, Alappuzha, Kerala on *Abelmoschus esculentus* L. *Indian Journal of Botanical Research* Vol. 6 (1&2): 171 – 176
14. **D.Sheela** and Sr.Avita 2010. Palynological studies on *spilanthes Jacq.* (*Heliantheae-Compositae*) from India. *Phytomorphology* Vol. 60 (3 & 4) 119 – 121.
15. Mary Rincy.T.T and **D.Sheela** 2011. Comparison of heavy metals and major nutrients in different parts of medicinal plant (*Ricinus communis* –L) collected from an industrial belt (Eloor) and coastal area (Wellington Island) of Kerala. *Journal of Indian Botanical Society*
16. Meena Thomas Irimpan, C.I .Jolly Rinku Mathappan and **D.Sheela** 2011. Preliminary phytochemical analysis and anti-bacterial activity of *Pergularia daemia* (forsk) Chiov. *Journal of Pharmacy Research*.Vol4(3).
17. Meena Thomas Irimpan, C.I. Jolly and **D.Sheela** 2011. A study of the phytochemical composition and anti-bacterial activity of *Holostemma ada-kodien* schultes. *International Journal of Pharm Tech Research*.

18. Meena Thomas Irimpan, C.I.Jolly and **D.Sheela** 2011. A study of the preliminary Phytochemistry, anti-bacterial and anti oxidant activities of *Gymnema sylvestre*. R.Br. Nature *Environment and Pollution Technology*.
19. Meena Thomas Irimpan, C.I.Jolly and **D.Sheela** 2011. Antioxidant and antibacterial activities of *Tylophora indica* (Burm.f.) Merril. Published in the Proceedings of the national conference on Genes and Genome Research in India organized by Department of Botany, U.C.College, Aluva 20th and 21st January 2011 (sponsored by U.G.C)
20. **D.Sheela** and Divya mol. Ecological studies on 3 medicinally important plants of Euphorbiaceae. *Journal of Biological Research*.
21. **D.Sheela** and Umadevi.P.S 2011 Ecological studies on 3 medicinally important plants of the family Scrophulariaceae in the proceedings of International seminar on Cell and Molecular Biology December 16-17th. Nirmala College, Muvattupuzha. pp 44-51.
22. Neena Unnikrishnan, Rinku Mathappan, Manu Soma Nath and **D.Sheela** 2012 Preliminary phytochemical analysis of bark of *Ficus bengalensis* Linn *Research Journal of Pharmaceutical, Biological and Chemical Sciences* Vol 3(2) pp 388
23. **D.Sheela** and Sr.Avita 2012 Study on Achene Morphology of five species of *Spilanthes* Jacq(Heliantheae Compositae) from South India. *Indian Journal of Botanical Society*. Vol 91 (4) pp 338-341.
24. Meena Thomas Irimpan, C.I.Jolly and **D.Sheela** 2012 Anti oxidants activity and polyphenol content of 7 medicinal plants of Asclepiadaceae- A comparative study. *International Journal of Current Research*. Vol. 4 (3) pp 66- 68.
25. Neena Unnikrishnan, Manu Somanath , C.I.Jolly and **D.Sheela** 2012 Preliminary phytochemical analysis of bark of *Ficus racemosa* Linn. and antibacterial activity of its bark oil. *International Journal of Pharmaceutical Research*. Vol 4 (2).
26. S. Sudeeptha and **D. Sheela** 2013 Effect of Nickel on the morphology and Phytochemical characters of *Hibiscus esculentus* Linn. *International journal of pharmaceutical research*. vol.5. pp 29-31.
27. Nithya.V.N. and **D.Sheela** 2013 Effect of Strontium(alkaline earth metal) on morphology and phytochemical characters of *Lycopersicon esculentum*. Mill. *International journal of pharmaceutical research*. vol.5. pp 47-51.

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- 29.Neethi C .Nair and D.seela.Quantification of secondary metabolites and antioxidant potential of selected members of the tribe Heliantheae .Journal of pharmacognosy and phytochemistry 2016.5(4)pp.163-166.2016.
- 30.Maria Cheenickal and D.Sheela. Phytochemical screening qualitative analysis of primary and secondary metabolites of Malay apple leaves. International journal of current Research 2016.
- 31.Pinkie Cherian and D.Sheela .Comparison of invitro antioxidant activities among Tandaliya(*Amaranthus*)International Journal of Current Research.2016
- 32.Pinkie cherian and D.Sheela .Determination of antioxidant potential and Total Phenolics compounds in *Amaranthus* sps. Published in the proceedings of UGC sponsored National Seminar on “Medicinal plants and National production”held during 20th-21st jan.2016KKTMGovt.college ,Pullut, Trichur,Kerala.
- 33.Maria Cheenickal and D.Sheela.Total phenol,flavonoid and tannin content among the selected sps of *Syzygium gaertir*. published in the proceeding of Swadeshi scence congress held at sree sankaracharya a university of Sanskrit, Kalady. Ernakulam dist.from 15-18 Dec.2015.
- 33.Neethi C Nair and D.Sheela .Anti oxidant activity among selected members of the tribe Eupatorieae.International Journal of Current Research vol.8.issue.7.pp.34723-34726 .2016.
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- 35.Pinkie cherian and D.Sheela.Antimicrobial activity of Amarath Alkaloid against pathogenic microbes .International journal of Herbal medicine (IJHM) 4(5):70-72.2016.
36. Durga K.V. and Sheela .D. Qualitative and quantitative analysis of Bioactive metabolites of *Spilanthes calva* DC. International Journal of Current Research.vol 8 (8): pp. 36848-36850.2016.
37. Aswathy G and Sheela .D. Evaluation of antiulcer properties of castor plants Indegenous to Kerala. Int. J. Adv. Pharmacy, Bio. Chem, Vol 5(4), Oct –Dec 2016, pp.423-426.
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