

STAFF PROFILE

- 1) Name : Dr. L. Kousalya
- 2) Designation : Assistant professor
- 3) Department : Botany
- 4) Qualification : M.Sc., M.Phil, Ph.D
- 5) Experience : Teaching: 3yrs Research : 11yrs
- 6) Area of Specialization (s) : Plant Tissue Culture, Plant Phytochemistry, Anatomy
- 7) E-mail : kousalya25@gmail.com, kousalya@nirmalacollegeonline.ac.in
- 8) Academic Qualifications: M.Sc., M.Phil, Ph.D
- 9) Additional Qualifications:

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Certificate course	Commercial Horticulture	PSGR Krishnammal College for Women, Coimbatore	2005 – 2006
Advanced Diploma course	Commercial Horticulture	PSGR Krishnammal College for Women, Coimbatore	2006 – 2007

10) Research Publications

International

1. Kousalya Loganathan and V. Narmatha Bai. High frequency *in vitro* plantlet regeneration and antioxidant activity of *Enicostema axillare* (Lam.) Raynal ssp. *littoralis* (Blume) Raynal: An important medicinal plant. *Asian Pacific Journal of Reproduction* 2014; 3(3): 241-248.
2. Kousalya Loganathan and V. Narmatha Bai, Root culture of *Enicostema axillare* (Lam.) raynal ssp. *littoralis* (Blume) raynal: An important medicinal plant, *Res. Med. Arom. Plants* 1 (1): pp.1-10, 2015.
3. Loganathan Kousalya and V. Narmatha Bai, Effect of growth regulators on rapid micropropagation and antioxidant activity of *Canscora decussata* (Roxb.) Roem. &Schult. – A threatened medicinal plant, *Asian Pacific Journal of Reproduction* 2016; 5(2): 161–170.
4. L.Kousalya, M. Parthipan, A. Rajendran and V. Narmatha Bai, Taxonomical and anatomical identification of a

new species of *Canscora* from South India: A Medicinally Important Genus, *Electronic Journal of Biology*, 2015, 11(4): 154-160.

5. M. Parthipan, A. Rajendran, L. Kousalya and NarmathaBai, *Hybanthus puberulus* M.Gilbert (Violaceae) – a new record for Andhra Pradesh, ZOO's PRINT, Volume XXXI, no. 4, 2016.
6. S. Packiaraj, L. Kousalya, S. Poornima, A. Pushpaveni, S. Govindarajan, New insight for the estimation of sulfur content from Guanidinium tri (Thiodipropionato) lanthanate (III) trihydrate synthesis, thermal and photoluminescent studies. *Monatshefte fur chemie*. 152: 263–273. ISSN: 0026-9247. DOI: 10.1007/s00706-020-02729-9, 2021.
7. V. Angel Beula and L. Kousalya Comparative Evaluation of Preliminary Phytochemical Analysis of *Allium cepa*L. (onion) and *Allium sativum*L. (garlic) tunics. *International Journal of Humanities & Sciences*, vol.1 165-170.
8. J. Yaazhini and L. Kousalya, Comparative Study on Mycelial Growth Rate Of *Pleurotus Florida* On Two Different Substrates. *International Journal of Humanities & Sciences*, vol.1 274-279.
9. K. Anusree and L. Kousalya, Evaluation of caffeine content in date seed-an alternative source for caffeinated coffee, *International Journal of Humanities & Sciences*, vol.1 191-1195
10. K. Monisha and L. Kousalya, Anatomical studies on various parts of *Delonix regia* [Hook] Growing in South India, *International Journal of Humanities & Sciences*, vol.1 222-226
11. Kousalya L, Saravanapriya P. M, Benazir M, Preparation and Phytochemical Analysis of Herbal Finished Face Mask. *International Journal of Science, Engineering and Technology*, 2021, 9:2
12. S. Packiaraj, L. kousalya, S. Poornima, A. Pushpaveni, H. Puschmann, S. Govindarajan, Structural and antioxidant properties of guanyl hydraziniumpyrazine -2-carboxylate. *J Mater Sci Mater Electron*. 18: 7704–7718. 2021. ISSN: 0957-4522. DOI: 10.1039/c6ce00290
13. Vinaya O and Kousalya Loganathan, Formulation and Evaluation of Herbal hair dyes from Tannin producing plants- a substitute for chemical hair dye. *International journal for research in applied science & Engineering technology*. 9(3): 898-903, 2021. ISSN: 2321-9653. DOI: <http://doi.org/10.22214/ijraset.2021.33399>.

14. Arya Govind and Kousalya Loganathan, A comparative study of Morphological, Anatomical, Phytochemical and Anti-inflammatory activity of *Antidesma acidum* Retz. And *Antidesma ghaesembilla* Gaertn. International journal for research in applied science & Engineering technology. 9(3): 904-911. 2021, ISSN: 2321-9654. DOI: <http://doi.org/10.22214/ijraset.2021.33403>.
15. Nidhi Pradeep and Kousalya Loganathan, Survey and Studies in Floristic Diversity and Phytosociology in Maniyoor Subramanya Swamy Temple, Maniyoor, Kannur District. International Journal for Applied Science and Engineering Technology. 9 (3): 994-1003. ISSN: 2321-9653, 2021. DOI: <https://doi.org/10.22214/ijraset.2021.33412>

11) Other Publications (Proceedings)

1. Dr. L. Kousalya, Preliminary Phytochemical screening and antimicrobial activity of *Caulerpa peltata* - An important Sea weed. Nirmala Annual Research Congress; NARC 19. 2019. ISBN: 978-93-5391-196-6

12) Book Publications

1. Biodiversity Conservation: Aspects and Prospects, LAP LAMBERT, Academic Publishing (2015-04-16), ISBN-13: 978-3-659-69584-1: ISBN-10: 365969584

13) Presentations in Conference

International

1. Micropropagation of *Enicostemma littorale* Blume, Paper presented in “International Symposium on Taxonomy, Plant Diversity and Conservation” held at Department of Botany, Bharathiar University, Coimbatore-641046 during 26th - 28th November, 2010.
2. *In vitro* propagation of *Canscora decussate* Schult. paper presented in “International Conference on Medicinal Plants And Herbal Drugs For Human Welfare [ICMP -2015]” held at Hotel Le Royal Meridien, Chennai, during 28-30th January 2015.
3. Micropropagation of *Canscora decussate* Schult. and *Canscora diffusa* (Vahl) R. Br. Ex Roem. & Schult., Paper presented in “International Conference on 6th Indian Horticulture Congress -2014” held at CODISSIA Trade Fair Complex, Coimbatore, during November 6-9, 2014.
4. International Symposium on Emerging Technologies that transform Life Sciences on August 19th, 2019 held at Nirmala College for Women, Coimbatore.

14) National

1. Micropropagation and root culture of *Enicostema axillare* (Lam.) Raynal ssp. *littoralis* (Blume) Raynal: An important medicinal plant, paper presented in “National Conference on Conservation of Eastern Ghats” held at Sri Venkateshwara University, Tirupathi, India, during 4-5th December 2014.
2. Ethnobotany of the Utthimalai Hills in Eastern Ghats of Tamil Nadu, Paper presented in “National Conference on Biodiversity and Conservation (NSBC-2015)” held at Department of Environment Sciences, Bharathiar University, Coimbatore-641046 during March 30th, 2015.
3. *Enicostema axillare* (Lam.) Raynal ssp. *littoralis* (Blume) Raynal: An important medicinal plant, paper presented in Root Culture of National Symposium on Herbal Drugs Research held Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore-46 during 25 & 26th 2008.
4. National Seminar on Biodiversity and Conservation held on 30th March 2015 at Department of Environmental Sciences, Bharathiar University, Coimbatore-46.
5. National Seminar on Water Resources, Development and Sustainable Management held on 23.03.2015 Department of Environmental Sciences, Bharathiar University, Coimbatore-46.
6. National Conference on Herbal medicine held on 8th and 9th, 2010 organised by Department of Botany, Bharathiar University, Coimbatore-46.
7. National Seminar on Emerging Trends in Biodiversity Conservation and Sustainable Utilization organised by Department of Botany, Bharathiar University, Coimbatore-46.
8. National Seminar on Current Scenario in Botanical Research organised by organised by Department of Botany, Bharathiar University, Coimbatore-46 on 13th December 2013.

15) Participation in Conference

1. Opportunities for Science Education in Industry, Research and Academics jointly organised by Nirmala College for Women, Coimbatore and Vijnana Bharati (VIBHA), New Delhi on 28th and 29th July 2021.
2. International Video Conference “Current Scenario in Plant Sciences on 27th September 2019 organised by Dept. of Botany, Nirmala College for Women, Coimbatore

3. National Conference on Phyomedicine in the organised by Department of Botany, Bharathiar University, Coimbatore-46 on 4th and 5th October 2012.
4. Two days state level Conference on Recent Trends in Bio Science (RTIBS 2015) held on 8th & 9th January 2015 in the Department of Zoology, Poimpohar College (Autonomous), Melaiyur- 609107 presented a paper entitled Root Culture of *Enicostema axillare* (Lam) Raynal SSp. *littoralis* (Blume) Raynal: An important medicinal Plant.

16) Participation in Seminar

1. Seminar on Save Our Earth organized by Dept. of Botany, Nirmala College for Women, Coimbatore held on 26.05.2021.
2. National Seminar on Remediation and Management of Urban Waste organized by Dept. of Plant Biology and Plant Biotechnology held on 29th & 30th January 2008
3. National Seminar on Matrimonial Property Rights in India organized by Department of Women's Studies, Bharathiar University, Coimbatore-4624.03.2015 to 25.05.2015.
4. National Seminar on Recent Trends in the Conservation and Utilization of Under Utilized Wild Edible Plants held in the Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore-46 on March 20 and 21, 2009

17) Participation in Workshop

1. Workshop on Intellectual Property Rights (Natural Products) organized by Bharathiar University, Coimbatore-46 held on 9th February 2009.
2. One day workshop on Bonsai organised by the Department of Botany, Bharathiar University, Coimbatore-46 on 03-03-2015
3. National Workshop on Intellectual Property Rights organised by the Department of Botany, Bharathiar University, Coimbatore-46 on 3rd and 4th March 2016.
4. Basic Techniques in Plant Tissue Culture and Bioinstrumentation organised by PG and Research Department of Biotechnology, Hindustan College of Arts and Science, Coimbatore on 12th October 2019.
5. Recent Trends in Plant Sciences held in the Department of Botany, Bharathiar University, Coimbatore-46 on 8th – 10th February 2011.
6. One day Workshop cum Awareness programme on Nutrition for Youth held at Dept. of Zoology, PSGR Krishnammal College for Women, Coimbatore-04 on 13.09.2006.

7. National Workshop on Intellectual Property Rights – Enlightenment for Creative Thoughts and Creative Minds Organized by organised by Department of Botany, Bharathiar University, Coimbatore-46.

18) Participation in Faculty Development Programme

1. Online AICTE recognized Faculty Development Programme on Nanomaterials and Devices from 27. 04. 2020 to 01.05.2020 (one week)
2. FDP program on Effective and Instructive Research organized by Sona College of Technology, Salem from 6th May to 10th May 2020.
3. FDP on UGC Stride Components 1, Capacity Building of Young Talent in Transdisciplinary Research for a sustainable Development of Society on 13th – 18th July 2020
4. Faculty Development program on Marching with Hope organized by Dept. of Chemistry, Nirmala College for Women, Coimbatore on 13.07.2021
5. Faculty Development program on Molecular Docking organized by Dept. of Zoology, Nirmala College for Women, Coimbatore on 23.07.2021

19) Editorial/ Review Board Member

1. Served as a Reviewer in International Journal of Environment and Climate Change
2. Served as a Reviewer in Biotechnology Journal International

20) Awards and Achievements

1. University Research Fellowship (URF) was awarded by Bharathiar University, Coimbatore during Ph.D study.

21) Any Other

1. UGC – Sponsored Interaction Programme on Research Methodology held from 11.09.2015 to 03.03. 2015 and been awarded ‘A’ grade.
2. Swayam-NPTEL FDP Programme on Forest and its Management held on 22nd August 2021 (93%).