

Faculty Profile

Name	Dr.R.GOMATHI
Qualification	M.Sc.,M.Phil.,Ph.D
Designation	Assistant Professor
Date of Birth	20/06/1984
Date of Joining	04/03/2016
Experience	7 Years
Mail Id	r.gomathipushpa22@gmail gomathi@gvgvg.ac.in



Research experience:

M.Phil. Project Title:

“Comparative Studies on the Nodal Anatomy of Some Member of Bignoniaceae and Nyctaginaceae” Department of Botany, Queen Mary’s College, Chennai.

Ph.D. Project Title:

“Pharmacognostical, Phytochemical and Pharmacological studies on *Monstera adansonii* Schott. And *Diffenbachia picta* schott. (Araceae)” Department of Botany, Queen Mary’s College, Chennai.

Publications :17

1. Comparative study on the Nodal Anatomy of two plants of the family *Bignoniaceae*. Proceedings of the National Conference on Impact of Bio technology in Healthcare and Industry – IBHI – 2011.
2. Phytochemical analysis of leaf extracts of *Calophyllum inophyllum* L. and *Canangaodorata* (Lam.) Hook. F. & Thomson. IOSR Journal of Pharmacy and Biological, Sciences, (Sep-Oct. 2012), 3(2), 35-37.

3. Evaluation of antimicrobial activity of *Canangaodorata* (Lam.) Hook. F. & Thomson leaf extract: an in vitro study. *Mintage Journal of Pharmaceutical and Medical Sciences*, (Oct – Dec 2012), 1(1), 21–22.
4. Larvicidal activity of *Monstera adansonii* plant extracts against *Culex quinequefaciatus*. *Journal of Pharmacognosy and Phytochemistry* 2014; 3(3): 160-162.
5. Antioxidant potential of methanolic extract of *Monstera adansonii*. *International Journal of Bioassays*, 2014, 3 (09), 3225-3228.
6. Nodal Anatomy of *Boerhaavia diffusa*. *Int. J. CurrSci*; 2012, 268-271.
7. Antimicrobial and in vitro Antioxidant Potential of *Begonia dipetala* Graham. *Int. J. Pharm. Sci. Rev. Res.*, 2014, 27(2), 382-386.
8. Phytochemical screening of crude extract of leaf and flowers of *Cassia fistula* and *Cassia auriculata*. *Mintage Journal of Pharmaceutical and Medical Sciences*, 2014, 3(4), 7-8.
9. Phytochemical analysis and antimicrobial activity of the flower extract of *Cassia roxburghii* Linn. *Journal of Chemical and Pharmaceutical Research*, 2014, 6(11):105-107.
10. Impact of silver Nanoparticles in Malarial Vector Control-A Review. *Book Proceeding*, ISBN-978-93-86176-36-3, 2016, 97-99.
11. Review on Organic Farming –A Tool for Eco Waste Management. *Book Proceeding*, ISBN-978-93-86176-36-3, 2016, 97-99.
12. Mushroom Cultivation for solid Waste Management. *Book Proceeding*, ISBN-978-93-86176-36-3, 2016, 97-99.
13. Antimicrobial and larvicidal activities of different solvent extract of *Dieffenbachia picta* Schott. *Journal of Emerging Technologies and Innovative Research (JETIR)* ISBN-2349-5162, 2019, Vol 6, issue 3, 83–86 - pdf
14. Homology modeling and docking of phytochemical compounds to identify mosquitocidal compounds targeting the midgut protein of *Anopheles stephensi*. *Journal of Emerging Technologies and Innovative Research (JETIR)* ISBN-2349-5162, 2019, Vol 6, issue 3, 188-194. pdf

15. Phytochemical analysis of plant extracts of *Monstera adansonii* Schott. And *Diffenbachia picta* Schott. Journal of the Maharaja sayajirao University of Baroda ISSN: 0025-0422, Vol -55, No 1 (VI) 214- 220, 2021.
16. Larvicidal, oviposition – deterrent and ovicidal activities of cassia occidentalis L. and spinosad against *Culex quinquefasciatus*. Journal of the Maharaja sayajirao University of Baroda ISSN: 0025-0422, Vol -55, No 1 (VI),157- 170, 2021.
17. Target and candidate agents for diabetes treatment in the framework of the food nexus, Journal of Elsevier, Energy Nexus.ISBN 100041, Vol 5,16 March 2022.

Papers presented in Conference

- Comparative study on the Nodal Anatomy of two plants of the family Bignoniaceae. Organized by Department of Biotechnology, Vel Tech High Tech Engineering College, held on 21 December 2011.
- In vitro antimicrobial activities from flower extracts of cassia auriculata Organized by Department of Biotechnology, Vel Tech High Tech Engineering College, held on 21 December 2011.
- Evaluation of antimicrobial activity of Canangaodorata (Lam.) Hook. F. & Thomson leaf extract: an in vitro study Organized by Bharath University, Bharath Institute of Science and Technology, Chennai during 8 to 9 February 2012.
- Larvicidal activity of *Monstera adansonii* plant extracts against *Culex quinquefasciatus*. Organized by Department of Zoology, Queen Marys College, Chennai during 23 to 24 January 2014.
- Larvicidal activity of *Diffenbachia picta* plant extracts against *Culex quinquefasciatus* organized by Karpagam Academy of Higher Education, Coimbatore during 9 to 10 January 2019.
- Antimicrobial and larvicidal activities of different solvent extract of *Dieffenbachia picta* Schott. organized by Department of Botany, Sri Sarada College for Women, during 06 to 07 February 2019

Professional Experience:

- Assistant Professor, Department of Botany, from 2016- Till Date.
- Deputy Controller of Examination 2018 – till Date.
- Co-opted member in Nation Services Scheme, AY 2016 to 2017.
- Co-opted member in Exam Committee, AY 2016 to 2017.
- Co-opted member in Environmental Club, AY 2016 to 2023.
- Club Convenor in Green Initiative and Environmental Club AY 2023-2024.
- Member in Board of studies of Department from 2016 to till date.
- Member in Standing Committee and academic affairs from 2016- till date.
- Member in Academic Council from 2016 – till date.

Membership in Professional Bodies:

- Member in Nature Science Foundation (NSF)

Seminar/Workshop and conference attended

1. International Conference on Impact of Physical Science on Biology from July 7 – 9, 2011 organized by Queen Mary's College (Autonomous) Chennai.
2. "Exploring the secrets of Biofuel. An international Summit" organized by the Dept. of Plant Biology and Plant Biotechnology, Presidency College (Autonomous) Chennai and Sophisticated Analytical instrument facility, IIT Chennai, from 14th to 16th July 2011.
3. National Conference on Impact of Biotechnology in Healthcare and Industry held on 21st Dec 2011 organized by Vel Tech High Tech Engineering College. (Oral Presentation).
4. Training Programme on Application of Bioinformatics in Drug development from 10th – 12th Oct. 2011 at Queen Mary's College, Chennai.
5. National Conference on Quest for Innovation in Nanotechnology (QIN 2012) organized by the Centre of Nanotechnology, BIST – Bharath University, Chennai, from 8th – 9th Feb. 2012. (Oral Presentation).

6. National Seminar-cum-Workshop on Applied Plant Genomics, Dept. of Plant Biology and Biotechnology, Presidency College, Chennai, on 13th July, 2012.
7. International conference on Eco- conservation for sustainable development, Dept of plant biology and plant biotechnology, organized by Quaid – E- Millath government college for women. 1st – 3rd February 2012.
8. National Conference on Zoology for Future Education and Research held on 23rd and 24th Jan 2014 organized by Queen Mary's College, Chennai. (Oral Presentation).
9. National Workshop on Consultation and discourse on teaching in higher education for new college and university teachers., Christ University, Bengaluru. 19 to 20.10.2016
10. One day International seminar on Frontiers in Nanotechnology and Computational Chemistry, Sri GVG Visalakshi College for Women, Udumalpet, 28.12.2018.
11. One Day Introductory Training Programme on Mushroom Cultivation at Tamil Nadu Agricultural University, Coimbatore, 25.09.2018. (National)
12. International Conference on Advances in Therapeutic Molecules and Drug Design, Karpagam Academy of Higher Education, Coimbatore. 9 to 11.01.2019.
13. Two Day International Conference on contemporary Panorama of Biosciences (ICCPoB'19), Sri Sarada College for Women, Salem-16. 06.02.2019-07.02.2019.
14. International Conference on Mathematical Modeling in Nature and Sciences, Sri GVG Visalakshi College for Women, Udumalpet, 16.02.2019.
15. One-day national seminar on “Science and Technology for insect diversity conservation and agricultural progressive” Department of Zoology, Kongunadu Arts and Science College, Coimbatore. 29th July 2019.
16. National Science Day organized by Udumalai Environmental Society, Rotary Udumalpet, Sri G.V.G Visalakshi College for Women, Udumalai Royals Club and Galileo Science Club.at Sri G.V.G Visalakshi College for Women. 22.02.2020.
17. One-day Beekeeping Training at Tamil Nadu Agricultural University, Coimbatore, 06.01.2020.
18. Two days' Workshop on Advanced Techniques in Biology, Centre for Bioscience and Nanoscience research, Eachanari. 17th and 18th February 2020.
19. Webinar on “Role of Nutrition and health Lifestyle During Time of Pandemic”at St. Francis College for Women, Beaumont, Hyderabad-16. 27.05.2020.

20. Webinar titled “Pedagogy for online and Blended Teaching Process”.at EDU Support Services, held on 19.05.2020.
21. Virtual International Conference on advancements in Arts, Science and Humanities (VICAASH-2021) organized by Association of Global Academicians and Researchers (AGAR) and Association of Indian Biologists(AIB), Tamil Nadu, India, Held on 06.06.2021.
22. Faculty Development Programme- Webinar (Live Interactions) Organised by IQAC Under UGC PARAMARSH scheme on “Institutional Quality Achievement, Maintenance and Sustenance “on 8th May 2020.
23. Faculty Development Programme- Webinar (Live Interactions) Organised by IQAC Under UGC PARAMARSH scheme on “Institutional Quality Achievement, Maintenance and Sustenance “on 9th May 2020.
24. Libre Office Suite Impress Training organized at Sri G.V.G Visalakshi College for Women(Autonomous) in January 2020. This training is offered by the Spoken Tutorial Project IIT Bombay at 06.05.2020.
25. International Webinar Series on “Covid 19 – Current Trends and Countermeasures” organized by PG and Research Department of Botany, Centre for Advanced Studies in Botany, University of Madras from 20th to 22nd July 2020.
26. Webinar on “Covid 19 and Indian Traditional Medicine system” organized by Department of Zoology, Sri G.V.G Visalakshi College for Women on 28.05.2020.
27. Online Faculty Development Programme (Webinar) on Teaching, Learning and Evaluation through Google Classroom held on 13.05.2020 Organized by Department of Mathematics, Sri G.V.G Visalakshi College for Women.
28. Two days National Level Conference on “Paradigm Shift in Education for 21st Century: National Education Policy” at Sri G.V.G Visalakshi College for Women, organized by IQAC and Curriculum Development Cell between 25th and 26th February 2022.
29. One-day international Webinar on “Women contribution in bioscience and biotechnology [IWWCBB 2022]” organized by Arunai International Research Foundation in association with Department of Botany, Queen Mary’s College Chennai.30.03.2022.

30. Certificate Course on “Green Campus, Energy and Environmental Management Audits” Jointly organized by the Nature Science Foundation and Nehru Arts and Science College, Coimbatore, during 07.03.2022 – 11.03.2022.
31. In –Service Teacher Training Programme in “Life Science” held at Government arts college, Udthagamandalam, organized Tamil Nadu State Council for Higher Education, Chennai. 06.05.2022 – 05.05.2022. (Two days)
32. One-day Mushroom Cultivation Training at Tamil Nadu Agricultural University, Coimbatore, 22. 09. 2022.
33. One-day National level FDP on “Green Audit and Energy Audit in HEI’s organized by IOT Academy, held on 28th December, 2022.
34. Lead Auditor Course on “Environmental Management System, Green Campus, Energy Hygiene Audits to Educational Institutions and Industrial Sectors” (Fifth Series) organized by the Nature Science Foundation, Coimbatore. From 3rd April 2023 to 7th April 2023.

Orientation Courses / Refresher courses / other Faculty

Development Programs attended

- UGC Sponsored 123rd Orientation Programme conducted by UGC-Human Resource Development Centre, Bharathiar University from 20.06.2019 to 10.07.2019
- Two-week refresher courses on “21st century Environmental Issue, challenges and solutions” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 15.07.2021 to 29.07.2021.
- One-week Faculty Development Program on “E- Learning and E- Governance” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 21.02.2022 to 27.02.2022.
- One-week Faculty Development Program on “Academic Research Writing” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 04.06.2022 – to 10.06.2022

- One-week Faculty Development Program on “Academic Research Writing” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 05.09.2022 to 11.09.2022.
- UGC Sponsored Refresh Course in Botany conducted by UGC-Human Resource Development Centre, University of Madras, Chennai.from 07.10.2022 to 20.10.2022
- One-week Faculty Development Program on “E- Content development” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 21.08.2023 to 27.08.2023
