

STAFF PROFILE

- 1) Name :Dr.P.Prathyusha
- 2) Designation :Assistant Professor
- 3) Department :Botany
- 4) Qualification :M.Sc.,B.Ed., Ph.D
- 5) Experience : Teaching :6 Research :5
- 6) Area of Specialization (s) :Phytochemistry, Pharmacognosy and Tissue culture
- 7) E-mail :prathyusha.phd@gmail.com
- 8) Academic Qualifications :M.Sc.,B.Ed., Ph.D
- 9) Additional Qualifications :Nil

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Training in Commercial Tissue Culture and Horticulture	Tissue culture	Sunglow Biotech, Coimbatore	2004

10) Grants Received

Event Title	Agency	Amount	Date
UGC-Minor Research Project	UGC	300000/-	2015-2017

11) Projects

Completed

Project Title	Agency	Amount	Duration
Studies on Phytochemical profile, Efficacy of free radical scavenging and antitumor activity of <i>Alangiumsalvifolium</i> (l.f.) WangerineAlangiaceae	UGC	300000/-	2015-2017

Ongoing: Nil

Project Title	Agency	Amount	Duration

12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	Nil	1
M. Phil.	Nil	Nil

13) Research Publications

International

1. **Prathyusha, P.**, Sajitha P Chandran and M.S.Subramanian, 2009. Ethnobotanical studies on Kadars of Nelliampathy Hills in Palakkad District, Kerala. *Plant Archives*, **9**(2): 641-646.
2. Nisha, M.C., M.S.Subramanian, **P. Prathyusha**, R. Santhanakrishnan and M.S. Seena, 2009. Comparative Studies on Antimicrobial Activity of *Artemisia sieversiana* Ehrhart. Ex. Willd. and *Origanum vulgare* L. *International Journal of Pharm Tech Research*. **2**(2):1124-1127.
3. **Prathyusha, P.** and M.S. Subramanian, 2010. Pharmacognostical analysis of fruits of *Alangiumsalvifolium*(l.f.). *Plant Archives.*, **10** (2): 881-882.
4. **Prathyusha, P.** and M.S. Subramanian, 2010. Phytochemical analysis of fruits and seeds of *Alangiumsalvifolium* (l.f) wangerin. *Plant Archives.*, **10** (2):915-917.
5. Subramanian, M.S. and **P. Prathyusha**, 2011. Pharmaco – phytochemical characterization of *Clitoriaternatea*, Linn. *International Journal of Pharm Tech Research.*, **3**(1):606-612.
6. **Prathyusha, P.** and M.S. Subramanian, 2011. Antifungal activity of *Alangiumsalvifolium*(l.f.).Wangerin (Alangiaceae). *Boisciences Biotechnology Research Asia*, December,2011, Vol.8(2), p.865-868.
7. **Prathyusha, P.** and M.S.Subramanian, 2015. Pharmacognostical evaluation of *Alangiumsalvifolium*(L.F.) Wangerin (Alangiaceae), Western Ghats, South India, *International Journal of Current Research.*, **7**(2) .
8. **Prathyusha, P.** and M.Saranya, 2017. Studies on traditional knowledge of medicinal plant used to cure respiratory disorders in taliparamba, kannur district, kerala. **Recent Trends in Agriculture, Veterinary and Life Sciences**, International Multidisciplinary Research Foundation, India. **ISBN 978-93-86435-18-7**.
9. **P. Prathyusha, 2018**. Phytochemical Profile and Efficacy of Free Radical Scavenging Activity of *Alangiumsalvifolium*(l.f.) Wangerin. *International Journal of Science and Research (IJSR)*. **7**(7):1028-1032.
10. Roopasree K. and **Prathyusha P.** 2019. Studies on phytochemical screening and antimicrobial activities of *boerhaaviadiffusa*, l.; and *centella asiatica*, (l.) Urban. *World Journal of Pharmaceutical Research (SJIF)*. **8**(5):1417-1426.
11. **P. Prathyusha, 2018**. Cytotoxic analysis of leaves of *Alangiumsalvifolium*(l.f.)

Wangerin. *Journal of Emerging Technologies and Innovative Research (JETIR)*(5)11:40-43.

12. **Dr.P.Prathyusha**, 2020. Floristic composition, diversity and ethnic culture in Mankarasacred grove, Palakkad District. Kerala, India. *International Journal of Botany Studies*, Volume 5; Issue 4; 2020; Page No. 306-310. ISSN: 2455-541X; Impact Factor: RJIF 5.12

National

1. **Prathyusha, P.**, M.S.Subramanian, M.C.Nisha, R. Santhanakrishnan and M.S. Seena, 2010. Pharmacognostical and phytochemical studies on *Origanum vulgare* linn. (Lamiaceae). *Ancient Science of Life*. **29**(2):17-23.
2. **Prathyusha, P.**, M.S.Subramanian, M.C. Nisha, R. Santhanakrishnan and M.S.Seena, 2010. Pharmacognostical Studies on *Artemisia sieversiana* Ehrhart. Ex. Willd. (Asteraceae). *College Sadhana*, **2**(2): 137- 140.
3. **Prathyusha, P.**, Modurpalayam S. Subramanian and R. Sivakumar, 2010. Antimicrobial activity of red and white forms of *Abrus precatorius* L. *College Sadhana* , **3**(1):1-5.
4. **Prathyusha, P.**, Modurpalayam S. Subramanian and R. Sivakumar, 2010. Pharmacognostical studies on the white and red forms of *Abrus precatorius* L. *Natural Product Radiance*, **1**(4):476-480.

14) Other Publications :

1. Prathyusha, P. and M.S. Subramanian, 2010. Comparative antimicrobial studies on the crude extracts of petroleum ether, acetone, chloroform and methanol of the fruits of *Alangium salvifolium* (L.f) wangerin. DST, UGC, CSIR, DRDO, INSA, TNSCST, TNSCHE Sponsored International Conference on Bioresource Technology (ICBRT) -Its applications and achievements. PG and Research department of Botany, Nirmala College for Woman :85-91 (Proceedings).

2. Prathyusha, P. , M.S.Subramanian, R.Santhana Krishnan and A.Agatha Christie, 2014. Phytochemical and Pharmacognostical characters of *Adhatodavasica* Nees. And *Solanum trilobatum* Linn. UGC Sponsored National Conference on Innovative approaches in biological sciences towards sustainable development. PG and Research department of Botany, Vellalar College for Woman (Autonomous) pp.107-110

15) Book Publications:

1. Dr.P.Prathyusha (2018). Environmental studies -Ability Enhancement (Book chapter) Compulsory Course for Undergraduate courses UGC Module Syllabus Nirmala College for Women, Coimbatore, First edition-2018, ISBN: 978-81-939751- 0-7.

2. Prathyusha, P and M.S. Subramanian, 2010. Clonal Multiplication Studies for the Medicinal Plant, *Alangium salvifolium* (L.f.) Wangerin (Alangiaceae). Plant Diversity and Conservation, Pointer publishers, Jaipur, India. Chap. **20**:188-192.

16) Consultancy: Nil

Nature of Consultancy	Client	Amount	Completion Status

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17) Presentations in Conference

International

- ✚ **P.Prathyusha**, 2019. *IN VITRO* MICROPROPAGATION OF *ALANGIUM SALVIFOLIUM* (L.F.) WANGERIN. International Conference on Emerging trends in science and Social Science, Kuala Lumpur, Malaysia, on May 03-04-2019 to 04-04-2019.
- ✚ **International Conference: Biodiversity, Climate Change and Environmental Sciences:** presented paper in the International Conference on Biodiversity, Climate Change and Environmental Sciences Organized by the Nirmala College for Women, Coimbatore in collaboration with International Multidisciplinary Research Foundation. Held on 08/09/2017.

National

- ✚ **Survey of Medicinal Plants from the Rangaswamy hills, Western Ghats, Coimbatore District:** UGC sponsored National Symposium on Need Based Modern Trends in Ethnomedicine Research Ayush Remedies. Held on 26th and 27th February 2007 in Kongunadu Arts and Science College, Coimbatore.
- ✚ **A Preliminary Survey on Medicinal Plants in Maruthamalai Hills:** UGC sponsored National Symposium on Need Based Modern Trends in Ethnomedicine Research Ayush Remedies. Held on 26th and 27th February 2007 in Kongunadu Arts and Science College, Coimbatore.
- ✚ **Ethno-Veterinary Herbal Medicine:** National Seminar on Recent Advances in Plant Biology and Biotechnology. Held on 29th February 2008 in Government Arts College (Autonomous), Coimbatore.
- ✚ **Skin Care Management of Children Using Medicinal Plants:** UGC Sponsored National Symposium on Sustainable Utilization and Conservation of Medicinal Plants. Held on 21st and 22nd August, 2008 in Nirmala College for Women, (Autonomous) Coimbatore.
- ✚ **Some Important Medicinal Plants for the Treatment of Rheumatoid Arthritis:** Indian Science Congress Association Sponsored National Seminar on Biodiversity-Status, Conservation and Managements held on 12th and 13th, September 2008 in Kongunadu Arts and Science College, Coimbatore.

- ✦ **Ethno-Botanical Studies InNelliampathy Hills, Palakkad Dist, Kerala:** UGC Sponsored National Seminar on Implications of Biotechnology in Conservation of Biodiversity held on August 20th & 21st, 2009 in Government Arts College, Udthagamandalam.
- ✦ **Pharmacognosy of *Alangiumsalvifolium* (L.F.) Wangerin:** Statelevel seminar come exhibition on Herbal Resources and Remedies held on September 3rd, 2009 in NGM College, Pollachi.
- ✦ ***In vitro* propagation of a potential medicinal plant *Abrusprecatorius*L.**
UGC sponsored National Seminar on Bioresources – Conservation and Management held on January 8th and 9th, 2010 in PSGR Krishnammal College for Women, Coimbatore.
- ✦ **HPTLC Profile Of white and red forms of *Abrusprecatorius* L. seeds** - UGC Sponsored National Level Seminar on Emerging Trends in Plant Biotechnology held on 4th and 5th February 2010 organized by PG and Research Department of Plant Biology and Plant Biotechnology, Government Arts and Science College, Coimbatore.
- ✦ **Phytochemical analysis of *Alangiumsalvifolium*(l.f.) Wangerin:** 3rd Indo-korean Joint Seminar on Medicinal Plant Research (IKMPR-2010), Sponsored by Department of Science and Technology and organized by Department of Biochemistry, Biotechnology and Bioinformatics & Society of Biological Chemists (India), Coimbatore Branch at Avinashilingam University for Women, Coimbatore on 23rd February, 2010.
- ✦ **Antimicrobial activity of red and white forms of *Abrusprecatorius* L. Biospark 2010,** National Conference on Vaccine Biotechnology Organized by S.N.R.Sons College on February 20th, 2010.
- ✦ ***In-vitro* cytotoxicity activity of both red and white forms of *Abrusprecatorius*, Linn.** National Symposium on Alternative Medicine held at Karpagam University during March 1st-2nd 2010.
- ✦ **Comparative antimicrobial studies on the crude extracts of petroleum ether, acetone, chloroform and methanol of the fruits of *Alangiumsalvifolium*(l.f) wangerin.** DST, UGC,CSIR,DRDO,INSA,TNSCST,TNSCHE Sponsored International Conference on Bioresource Technology-Its Applications and Achievements held on 7th and 8th October- 2010. Organized by Department of Botany Nirmala College for Woman, Coimbatore-18.
- ✦ **Biodiversity of sacred grove: Medicinal and endangered plants in palathulli, Palakkad District, Kerala.** Centre for innovation in Science & Social Action (CISSA), C.P.R.Environmental Education Centre, Navdanya, School of Public Health, SRM university Sponsored, Third Indian Biodiversity Congress (IBC 2014) held on 18th - 20th December 2014.
- ✦ **Climatic changes and Biodiversity in India .** Centre for innovation in Science & Social Action (CISSA), C.P.R.Environmental Education Centre, Navdanya, School of Public Health, SRM university Sponsored, Third Indian Biodiversity Congress (IBC 2014) held on 18th - 20th December 2014.

- ✚ **Studies on floristic diversity and ethnic culture in cherapuram sacred groves of nemmara, palakkad district, kerala, india.** International conference on converging Biotechnological Innovations in Environmental Welfare organized by the department of Biotechnology in collaboration with the organization for industrial,spiritual and cultural advancement (OISCA) held at K.S.G College of arts and science, Coimbatore, Tamil Nadu,on 19th September, 2016.
- ✚ **Studies on Phytochemical Screening and Larvicidal activities of weed plants, *Calotropisprocera* r.br and *Leucas aspera* (willd.) Linn. Against two species of mosquitoes, *Aedes aegypti* and *Culex quinquefasciatus*.**

POSTER PRESENTATION

- **Pharmacognostical studies on *Artemisia sieversiana* Exhart. Ex wild (Asteraceae).** UGC Sponsored National Seminar on Recent Trends in Secondary Metabolic Engineering held on January 5th, 2010 in Bharathidasan University Tiruchirappalli.
- **Pharmaco-Phytochemical characterization of *Clitoriaternaceae* L.** UGC Sponsored National Seminar on Recent Trends in Secondary Metabolic Engineering held on January 5th, 2010 in Bharathidasan University Tiruchirappalli.

18) Participation in Conference

- ✓ **Frontier Contemporary Horizons in Bioinformatics and Computational Biology (BACB-2016)**
:Participated in the National Conference on 21st and 22nd Organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore.
- ✓ **International e- Conference** on Contemporary Innovative Developments in Applied Biology (CDAB-2020) Organized by the Department of Botany and Bioinformatics on 22/01/2020
- ✓ **International Conference on Computational Biotechnology and Nanotechnology (ICCBN-2010):** Held on 24-26 February 2010 at Vivekanandha College of Engineering for Women, Elayampalayam- 637205, Tiruchengode, Tamilnadu, India.
- ✓ **Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Symposium on Taxonomy, Plant Diversity and Conservation:** Held on 26-28 November, 2010 at Bharathiar University, Coimbatore.

19) Participation in Seminar

- ✓ **Seminar on Fruits and Vegetable-Processing and Preservation:** Held on 10th February, 2015. Organized by the Department of Botany, Nirmala College for Women.
- ✓ **Dimensions of preparing effective research papers for international Journals:** Attended seminar Organized by Sri Vasavi College, Erode, Research Forum on 05/11/2016.

- ✓ **National Seminar cum Medicinal Plant Exhibition on Complementary and alternative Indian system of medicine** Organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on Feb.1st and 2nd 2019.
- ✓ **National level symposium on Exploration of research Innovations: Its Trends and Challenges, ICSSR Sponsored** Organized by Nirmala College for Women, Coimbatore on 11/01/ 2020
- ✓ **State Level Symposium ECOFEST 06:** Held on July, 28th 2006 at Agricultural Engineering and Research Institute, TNAU, Coimbatore.
- ✓ **International Seminar on Research Methodology and Data Interpretation:** Held on 28th January 2010 at Avinashilingam University for Women, Coimbatore.
- ✓ **One day seminar on Recent Trends in Applied Plant Sciences:** Held on 08/02/2017, Organised by the Department of Botany, Nirmala College for Women, Coimbatore.

20) Participation in Workshop

- ✓ **Workshop on Perspectives of Biodiversity Conservation:** Sponsored by Ministry of Environment and Forest, Government of India, New Delhi on 8th and 9th February, 2007. Organised by PG and Research Department of Botany, Kongunadu Arts and Science College, Coimbatore.
- ✓ **National Workshop on Molecular Techniques in Biological Sciences:** Organised by the Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore. Held on 25th to 28th February, 2008
- ✓ **Training in Hands on Chromatography (HPTLC, GC and HPLC):** Held on 15th to 17th May, 2008 at Dalmia Centre for Research and Development, Affiliated to Bharathiar University, Coimbatore.
- ✓ **Workshop-Phytochemical Techniques:** Organised by the Bio – Science Techno Park, Ponduchery on 11th to 13th Feb 2008.
- ✓ **Workshop on Scientific Validation of Traditional Herbal Medicine:** Organised by the Bharathiar University. Sponsored by ICMR held on 16th and 17th Dec 2009.
- ✓ **Workshop on Tools to Explore Similarity Search and Sequence Alignment:** Held on 30th Jan 2010. Organised by the Department of Bioinformatics, Dr.G.R.Damodaran College of Science, Coimbatore.

- ✓ **Workshop on Phyto and Molecular techniques:** Held on 26 and 27 Aug 2014. Organized by the department of Botany and Denovo scientific, Coimbatore-641002.
- ✓ **NADP Methodology Workshop on Urban Forestry to Combat Pollution:** Held at Forest College and Research Institute, Mettupalayam on 8th October,2014.
- ✓ **Workshop on Cytological techniques:** Held on 13th January, 2016. Organized by the Department of Botany, Nirmala College for Women, Coimbatore under DBT STAR COLLEGE scheme.
- ✓ **Glimpses of plant Sciences :** Attended two days Science Academic Lecture Workshop, Organized by the Department of Botany, Nirmala College for Women, Coimbatore. Held on 2nd&3rd February ,2017.
- ✓ **Multimedia:** Attended Two days workshop on multimedia, Organized by the Computer Science, CA and IT Department, Nirmala College for Women, Coimbatore. Held on 21 and 22 March,2018 Sponsored by DBT STAR College Scheme.
- ✓ **National Workshop: Participated in the DBT Sponsored National Workshop on the topic The Exploratory Modules in 'OMICS' Biology,** Organized by the Department of Botany and Bioinformatics on 14th and 15th September, 2017.
- ✓ **Workshop: Participated in the workshop on the topic 'Multimedia'** Organized by the Department of Computer Science ,Computer Applications and Information Technology on 21st and 22nd March 2018 Sponsored by DBT.
- ✓ **Workshop: Outcome Based Education** Organized by IQAC, Nirmala College for Women, Coimbatore on October 13th 2018.
- ✓ **International Workshop on "Glorious Global Model Plant"** Organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on 18th Feb.2019 Sponsored by DBT.

21) Participation in Orientation Programme/ Induction Programme/ Short term Courses

Participated in **Orientation Programme** conducted by the BrarathiarUniversity HRDCon 17.05.2018- 13.06.2018

Participated in **Refresher Course** in botany conducted by the Madras University HRDC on 10.10.2019

22) Participation in Faculty Development Programme

- ✓ **Environment Audit of Infrastructure, Extension Activity and Institutional Social Responsibility:**
Participated in the Faculty Development Programme organized by IQAC, Nirmala College for Women-18 on 30th October 2015.

23) Conference/ Seminar/ Workshop Organized : Nil

24) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop:

25) Member in Board of Study: Nil

26) Editorial/ Review Board Member:

Editorial board member in International journal of Humanities and Science (IJHS)

27) Membership in Professional Bodies: Nil

Name of Professional Body	Nature of Membership	Duration