



Name : **Dr.M.Hemalatha**  
Designation : Associate Professor  
Educational Qualification: M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.

| Sl.No. | Degree   | University/ College                              | Year of passing |
|--------|----------|--|-----------------|
| 1.     | Ph.D.,   | Bharathidasan/ AVVM.Sri Puspham College, Poondi. | 2013            |
| 2.     | M.Phil., | Bharathidasan                                    | 1989            |
| 3.     | M.Sc.,   | Bharathidasan/Holy Cross College, Trichy         | 1987            |
| 4.     | B.Ed.,   | Annamalai  | 1994            |
| 5.     | PGDCA    | Bharathidasan                                    | 1996            |

Experience:

UG : 17 years

Area of Specialization: Agricultural Microbiology

Research Papers Presented:

| Title of the seminar  | Title of the paper   | Level         | Sponsor  | Date & Venue   |
|---|--|---------------|--|--|
| Opportunities & Challenges in Biotechnology and Environmental Sciences                    | Mass production of Alginate entrapped Arbuscular Mycorrhizal inoculum and their influence on growth and nutrition of Onion | International | DST, CSIR, TNSCST, Chennai and NCSTC, New Delhi. | 22 <sup>nd</sup> & 23 <sup>rd</sup> February, 2007. Vellalar College for Women, Erode.   |
| Explorations of the Natural Bioactive Compounds from the Marine Resources (BIOACTIVA' 11) | Bioactive compounds from Marine algae  | National      | CSIR   | 10 <sup>th</sup> & 11 <sup>th</sup> February, 2011. Department of Marine Science, Bharathidasan University, Tiruchirapalli-24. |
| Herbal Focus 2011. "Herbal Health Care solutions- A Road map from Farm to Pharmacy".      | Care and Cure.   | State         | Srimad Andavan Arts & Science College.           | 19 <sup>th</sup> February, 2011. Srimad Andavan Arts & Science College, Tiruchirapalli.  |

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|---|--|---------------|--|---|
| Sustainable Utilization, Management And Conservation Of Boresources”(ICSMCB). | Alginate Entrapped Arbuscular Mycorrhizal Fungi Mass inoculum production and their influence on Growth and Nutrition in Onion  | International | UGC  | 10 <sup>th</sup> & 11 <sup>th</sup> January 2013. St. Joseph’s College, Tiruchirapalli-2.   |
| Recent Trends in Plant Biotechnology  | Influence of Arbuscular Mycorrhizal Fungi on the Growth and Nutrition in <i>Coleus amboinicus</i> as influenced by Arbuscular Mycorrhizal Fungi<br><b>Best paper Award</b> | National      | UGC  | 27 <sup>th</sup> & 28 <sup>th</sup> February, 2013. Department of Plant Science, School of Life Sciences, Bharathidasan University, Tiruchirapalli-24.                              |
| Recent Trends in Bio-prospecting of Plants                                    | “Changes of Growth and Nutrition in <i>Coleus amboinicus</i> as influenced by Arbuscular Mycorrhizal Fungi”.   | National      | UGC  | 28 <sup>th</sup> & 29 <sup>th</sup> March, 2014. Department of Plant Science, School of Life Sciences, Bharathidasan University, Tiruchirapalli-24.                                 |
| Complementary approach to aspects and applications of Music and Yoga          | Go green with Yoga   | State         | UGC & Department of Music and Centre for Ethics and human values | 12 <sup>th</sup> , 13 <sup>th</sup> & 14 <sup>th</sup> August, 2014. Department of Music and Centre for Ethics and human values. Seethalakshmi Ramaswami College, Tiruchirapalli-2. |

|  |  |               |  |  |
|--|--|---------------|--|--|
| Recent Advances in Medicinal and Aromatic Plants (NASYMP' 15). | Studies on Arbuscular Mycorrhizal Fungi in some Medicinal plants of Tropical and Temperate Localities.                     | National      | UGC  | 5 <sup>th</sup> February 2015.<br>Department of Botany,<br>St. Joseph's College,<br>Tiruchirapalli-2.                                |
| Frontiers in Life Science (ICFLS-2016)                         | Survey of some medicinal plants associated with Mycorrhizal fungi of Tropical and Temperate Localities in Tamil Nadu       | International | UGC  | 7 <sup>th</sup> & 8 <sup>th</sup> January, 2016.<br>Department of Botany,<br>St. Joseph's College,<br>Tiruchirapalli-2.              |
| Ancient Herbal remedies for Modern times                       | Herbal medicinal plants associated with Arbuscular Mycorrhizal Fungi of tropical and temperate localities                  | National      | Adhiyaman Arts and Science College for Women         | 31.08.2017, PG Department of Botany,<br>Adhiyaman Arts and Science College for Women, Uthangari -7.                                  |
| Microbes, Microbial processes and products                     | Mass production of alginate entrapped Arbuscular Mycorrhizal inoculum and their influence on growth and nutrition of onion | International | Sengamala Thgayaar Educational Trust Women's College | 12.09.2017, PG and Research Department of Microbiology,<br>Sengamala Thgayaar Educational Trust Women's College,<br>Mannargudi – 16. |

**Research Papers Published:**

1. **Hemalatha, M. and Selvaraj. T.,** Association AM fungi with Indian borage *Plectranthus amboinicus* (Lour.) Spreng) and its influence on growth and biomass production. *Mycorrhiza News* 15 (1): 18-21. 2003.
2. **Hemalatha, M. G. Chandra Mohan, and T. Selvaraj.** Changes of Growth, Nutrition and Polyphenolic Compounds in *Coleus amboinicus* as influenced by arbuscular mycorrhizal fungi. National Symposium – Ayush Remedies. Rural and Ethno medicinal Plant Remedies- Conservation and Utilization. 2004.
3. **Hemalatha, M.** “Changes of Growth, Nutrition and Polyphenolic compounds in *Coleus amboinicus* as influenced by arbuscular mycorrhizal fungi.” *Journal of Microbial world*. Vol.8. No.1. 2006.
4. **Hemalatha, M. and Selvaraj. T.,**”Influence of Arbuscular Mycorrhizal fungi on the growth and nutrition in *Coleus amboinicus* ”. Vol.30, Special issue-1,P.No.101. 2013. ISSN 0256-9493.
5. **Hemalatha, M. and Selvaraj.** Changes of Growth& Nutrition in *Coleus amboinicus* as influenced by arbuscular mycorrhizal fungi. ”. Vol.31, Special issue-1,P.No.113. 2014. ISSN 0256-9493.
6. **Hemalatha. M.** “ Go green with yoga”. Proceedings – “Complementary approach to aspects and applications of music and yoga” UGC sponsored National seminar organized by Department of Music and Centre for Ethics and Human values ISBN 978-81-921759-5-9 .
7. **Hemalatha. M.** “Agro textiles” *Shanlax - International Journal of Arts, Science and Humanities*. ISSN : 2321 – 788X. Vol.4, Special issue 1, January- 2017. Page. No: 100.

**Research Projects:**

| Principal Investigator | Title  | Sponsor | Duration             | Amount     |
|------------------------|--|---------|----------------------|------------|
| Dr,M.Hemalatha         | “Studies on Arbuscular Mycorrhizal fungi associated with some medicinal in Tropical and Temperate localities in TamilNadu” | UGC     | 2 years<br>(2005-07) | Rs.60000/- |

**External experts:**

Doctoral Committee Member: 2013

External Examiner: Theory & Practical, Viva-Voice Examinations

**Other positions held in the college:**

Admission committee Member

Vice president, Botany Association.

Staff Club Secretary : 2006

Union Vice-President :2011

Retirement Committee Member: 2014-2017

NAAC Working Committee member: 2011 onwards

Member, Board of studies