

Detailed CV

Name: DR. CHANDRA M
Educational Qualification M.Sc., (Botany)
Ph. D (Sericulture)
Designation Professor
Address for Correspondence: Department of Biosciences
Mangalore University
Mangalagangothri.
E-mail: **drchandram1@gmail.com**
Phone: 0824 2287261
Research Areas Plant Pathology & Mycology
Phytomedicine, Microbiology



Professional Teaching Experience: 17 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list: 05

1. Srividya Nayak
2. Nannu Shafakatullah
3. Laveena K.B
4. Dhanya B.E
5. Gayathri Pai

Ongoing Registered Students' list: 05

1. Dalia Purushothaman
2. Ravitheja S
3. Anju Joseph
4. Aravind Narayan
5. Keshav Narayan Pai

Research Projects Completed: 02

Research Journal Publications:

International

1. Shree, M.P. Chandra M. and Venkatesh C.M (1998). Changes in the biochemical contents of castor leaves affected by fungal diseases. *Sericologia*. 38 (3) 493 – 503.

2. **Chandra M** and Laveena K.B (2011). Studies on biochemical changes in vermicompost using leaf litters. *The Ekologia*. 11 (1-2):77-80.
3. **Chandra M** and Shree M.P (2012). Biochemical alterations in diseased leaves of papaya – An important food plant of eri-silkworm. *International Journal of Biotechnology and Bioscience*. 2(2): 77-82.
4. **Chandra M** (2013). Antimicrobial activity of medicinal plants against human pathogenic bacteria. *International Journal of Biotechnology and Bioscience Research*. 4(7):653- 658.
5. **Chandra M** and Mahesh N.M (2013). Antifungal activity of medicinal plants extracts against seed borne pathogenic fungi. *Acta Biologica Indica*. 2(2):481- 483.
6. **Chandra M** (2014). Screening of phytochemicals and antioxidant potentials of some wild edible fruits. *Life sciences International Research Journal*. 1(1): 21-24.
7. Srividya Nayak and **Chandra M** (2014). Evaluation of nutraceutical properties of some common fruits of Karnataka. *International Journal of Pharmaceutical Science and Research*. 27(1):349-353.
8. Nannu Shaffakatullah and **Chandra M** (2014). Screening of Buffalo's milk from Karnataka for potential probiotic strains. *International Journal of Research in Recent Studies*. 3(9), 73-78.
9. Srividya and **Chandra M** (2014). Evaluation of bioactive compounds and antioxidant activity of some wild fruits by in-vitro assay. *International Journal of Pharmaceutical Science and Research*. (6), 233-238.
10. **Chandra M** (2015). Antimicrobial activity of different maturity of *Lagerstroemia indica* L. on pathogenic bacteria. *International Journal of Basic and Applied Biology*. 2(4): 213-216.
11. Srividya and **Chandra M** (2015). Evaluation of L- Ascorbic acid, B - carotene and lycopene contents of some fruits of Western Ghats. *European Journal of Biomedical and Pharmaceutical Sciences*. 2(4):1563-1571.
12. Nannu Shafakatullah and **Chandra M** (2015). Biocompatibility study of *Lactobacillus casei* isolated from cucumber and evaluation of probiotic effects in the human gut. *International Journal of Chemical and Biological Sciences*. 1(12): 1-7.
13. Nannu Shafakatullah and **Chandra M** (2015). Isolation of lactic acid bacteria from *Allium cepa* var. *aggregatum* and study of their probiotic properties. *International Journal of Pharma Sciences and Research*. (IJPSR). 6(4):749-756.
14. Srividya and **Chandra M** (2015). *In vitro* anti-inflammatory activity of some common fruits of west coast of India. *World Journal of Pharmacy and Pharmaceutical Sciences*. 4(11): 1999-2006.

15. Gayathri Pai and **Chandra M** (2017). Screening of Phytochemicals and Isolation of endophytic Fungi from Medicinal plant *Helicteres isora* L. *IOSR Journal of Pharmacy*, 7(12): 01-05.
16. Laveena K.B and **Chandra M** (2017). Qualitative and quantitative phytochemical analysis of primary and secondary metabolites of *Mussaenda bellila* L. from Western Ghats of Karnataka. *World Journal of Pharmaceutical Research*, 6(16):1155-1166.
17. Gayathri Pai and **Chandra M** (2018). Antimicrobial activity of endophytic fungi isolated from ethno medicinal plant *Phyllanthus reticulatus* Poir. *International Journal of Engineering Science Invention (IJESI)*, 7(1): 40-46.
18. Nannu Shafakatullah and **Chandra M** (2018). Molecular characterization of probiotics isolated from marine mussels: *Perna viridi*. *International Journal of Scientific Research*, 7(2): 407-409.
19. Ramya and **Chandra M** (2018). Preliminary phytochemical study of *Nyctanthus arbpr-tristis* L. and *Santallum album* L. from Western Ghats of Karnataka. *European Journal of Biomedical Pharmaceutical Sciences*, 5 (1): 644-650.
20. Vinitha Rani, Laveena K. B Ramya and **Chandra M** (2018). Antibacterial properties of extracts of *Punica granatum* and *Solanum tuberosum* against human pathogens, *European Journal of Biomedical Pharmaceutical Sciences*, 5(5):766-769.
21. Vinitha Rani and **Chandra M** (2018). Studies on antifungal and antioxidant activity of plant extracts against human pathogens. *World Journal Pharmaceutical Research*, 7(19): 1335-1342.
22. Laveena K. B and **Chandra M** (2018). Evaluation of bioactive compounds, antioxidant and antibacterial properties of medicinal plants *Sauropus androgynus* L. and *Erythrina variegata* L. *Asian Journal of Pharmaceutical and Clinical Research*, 11(12):313-317.
23. Dhanya B. E, **Chandra M** and Rekha P. D (2018). Isolation and identification of exopolysaccharide producing bacteria from Someshwar beach of Dakshina Kannada, Mangalore. *The Pharma Innovation Journal*, 7(11): 382-386.
24. Ramya and **Chandra M** (2019). Bioactive compounds, antioxidant and antifungal activity of medicinal plants of Western Ghats of Karnataka against *Phytophthora* blight disease of papaya (*Carica papaya* L.), *The Pharma Innovation Journal*, 8(4):131-139.
25. Dhanya B. E, **Chandra M** (2019). Exopolysaccharide producing endophytic bacteria isolated from the plant *Derris elliptica*. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 10 (1): 108-113.
26. Ravitheja S and **Chandra M** (2019). Isolation and characterization of *Vibrio* Spp. by sequencing of 16s rDNA from coelomic fluid of sea urchin (*Stomopneustes variolaris*). *International Journal of Pharmacy and Biological Sciences*, 9(1): 330-336.
27. Ravitheja S and **Chandra M** (2020). Molecular characterization of fungi isolated from

sea urchin *Stomopneustes variolaris* (Lamarck, 1816) – St. Mary’s Island, West coast of India. *Biomedicine*, 40 (5):313-318.

28. Laveena K.B and **Chandra M** (2020). Qualitative phytochemical screening of selected medicinal plants of Dakshina Kannada District. *International Journal of Advanced Research*, 8(09): 506-511.
29. Laveena K. B and **Chandra M** (2020). Quantification of bioactive compounds in selected medicinal plants of Dakshina Kannada District. *International Journal of Applied Research*. 6(10):1042-1047.

National

1. **Chandra M** and Shree M.P (1998). Influence of foliar diseases on the elemental contents of eri-silk worm food plants (Tapioca and Gulancha Phool/Champa). *Himalayan Journal of Environmental Zoology*.12:55-58.
2. Shree M.P and **Chandra M** (1998). Biochemical alterations in rust affected leaves of Tapioca- An important food plant of eri silk worm. *Indian Journal of Sericulture*. 37(1): 68-69.
3. Shree M.P, Suresh Babu V.S, **Chandra M** and Ravi Kumar K (2000). Post – inflectional biochemical changes in the leaves of Tasar food plants. *Indian Journal of Sericulture*. 39(2): 108-112.
4. Shree M. P, Suresh Babu V.S, **Chandra M** and Ravi Kumar K (2000). Nutritional content of healthy and diseased leaves of castor and papaya, the food plants of the eri silk moth (*Samia ricini* Donovan). *Bulletin of Indian Academy of Sericulture*. 4(2):84-90.
5. Shree M. P, Nagaveni V, **Chandra M** and Ravi Kumar K (2001). Impact of feeding disease affected castor leaves on food consumption and utilization in eri silkworm (*Samia ricini* Donovan) – *Bulletin of Indian Academy of Sericulture*. 5(2): 67-71.

<https://scholar.google.com/citations?hl=en&user=suyRfvMAAAAJ>

Seminars organized

Organized UGC - SAP supported one day National Seminar on “Pollution and Bioremediation - Current Scenario and Future Prospects” Department of Biosciences, Mangalore University, on 7th March 2020.

Proceedings

1. **Chandra M.** and Shree M. P (1999): Biochemical alterations in spot and blight affected leaf of *Plumeria alba* L- An important food plant of eri silk worm. Proceedings of NSTS -99.
2. **Chandra M** and Mahesh N.M (2012). Antioxidant and antimicrobial activities of medicinally important plants. pp - 43-45. International conference on “Recent Advances and Challenges in Biotechnology” 27th - 29th Dec. 2012, organized by

Department of Biotechnology Engineering” Nitte, Udupi.

Workshop Attended

1. **Chandra M.** Biotechnology: Methodology and Application. Jointly conducted by the Associations of Microbiology of India (Bangalore Unit) and the Microbiological Society of the Bangalore University, Bangalore on April 7th, 1998 at Bangalore University.
2. **Chandra. M.** Lecture workshop in Chemistry organized by Department of Chemistry, Mangalore University, Mangalagangothri, 10th - 11th Feb. 2007.
3. **Chandra M.** National environment Awareness Campaign. Seminar cum Workshop on cultivation of Biodiesel plants – Energy Security, Waste land management and mitigation of Climate Change. Department of Bioscience, 31-03-2009.
4. **Chandra M.** Cultivation of Biodiesel Plants –Energy Security, waste Management and mitigation of climate change” organized by Department of Biosciences, Mangalore University, Mangalagangothri, on 31st March 2009.
5. **Chandra M.** Global Warming – Present & future scenario” organized By Department of Biosciences, Mangalore University, Mangalagangothri, 18th March 2010.
6. **Chandra M.** Workshop on “Application of nanotechnology in medicine” held at A. B. Shetty Memorial Institute of Dental Sciences, Mangalore, on 20th, Feb.2010.
7. **Chandra M.** Workshop on “Recent trends in Biodiversity conservation” Organized by Department of Applied Zoology, Mangalore University, Mangalagangothri, 19th March 2010.
8. **Chandra M.** SAARC Regional Workshop on Campus Cooperative and Youth integration in Cooperatives. Department of Business Administration, Mangalore University, 23-25th March 2011.
9. **Chandra. M.** Lecture workshop in Chemistry organized by Department of Chemistry, Mangalore University, Mangalagangothri, 10th - 11th Feb. 2007.
10. **Chandra M.** National environment Awareness Campaign. Seminar cum Workshop on cultivation of Biodiesel plants – Energy Security, Waste land management and mitigation of Climate Change. Department of Bioscience, 31-03-2009.
11. **Chandra M.** Cultivation of Biodiesel Plants –Energy Security, waste Management and mitigation of climate change” organized by Department of Biosciences, Mangalore University, Mangalagangothri, on 31st March 2009.
12. **Chandra M.** Application of nanotechnology in medicine held at A. B. Shetty Memorial Institute of Dental Sciences, Mangalore, on 20th, Feb.2010.
13. **Chandra M.** Global Warming – Present & future scenario” organized By Department of Biosciences, Mangalore University, Mangalagangothri, 18th March 2010.

14. **Chandra M.** Workshop on “Recent trends in Biodiversity conservation” Organized by Department of Applied Zoology, Mangalore University, Mangalagangothri, 19th March 2010.
15. **Chandra M.** SAARC Regional Workshop on Campus Cooperative and Youth integration in Cooperatives. Department of Business Administration, Mangalore University, 23-25th March 2011.
16. **Chandra M.** One day National Symposium on Recent Advances in Chemical Sciences. Department of Chemistry, Mangalore University, 30th April, 2013.
17. **Chandra M.** One week Hands on “Training and Workshop on Analytical Techniques” Sponsored by TEQIP and Organized by Department of Biotechnology Engineering, NMAM Institute of Technology, Nitte, on 23rd to 29th June 2014.

National

1. **Chandra M.** Changes in the biochemical contents of castor leaves affected by fungal diseases. Symposium on “Economically important diseases of crop plants” from 18th to 20th December, 1997 held at University of Agricultural Sciences, Hebbal, Bangalore.
2. **Chandra M.** Influence of foliar diseases on the elemental contents of eri-silk worm plants (Tapioca and Gulancha Phool/Champa). Symposium held at the Department of Zoology and Environmental Sciences, Faculty of Life Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, Feb. 6th – 8th, 1998.
3. **Chandra M.** National Conference strategies for Sericulture research and Development held at CSR & DI, Mysore, November 16th -18th, 2000.
4. **Chandra M.** National Seminar on Recent Advances in Mycology and 31st Annual Meeting of the Mycological Society of India. Department of Biosciences, Mangalore University, Mangalagangothri, 2nd-3rd Dec. 2004.
5. **Chandra M.** Studies on biochemical changes in vermicompost using leaf litters. 16th National Conference on Aerobiology and national symposium on “Application of biotechnology in environmental management and Medicine” held at Bapuji institute of Engineering and Technology, Davanagere. 19th – 21st November, 2010.
6. **Chandra M.** Biochemical alterations in diseased leaves of papaya – An important food plant of eri silkworm. National Conference on Biodiversity and Biotechnology for sustainable development organized by P. G. department of studies in Botany, KarnatakUniversity, Dharward, 21st – 22nd March, 2011.
7. **Chandra M.** One day National Symposium on Recent Advances in Chemical Sciences. Department of Chemistry, Mangalore University, 30th April, 2013.

8. **Chandra M.** Evaluation of phytochemicals and antimicrobial potentials of different maturity of *Lagerstroemia indica* L. National symposium Organized by the Dept. of Zoology, University of Mysore, 3rd – 4th Jan. 2014.
9. **Chandra M.** Screening of phytochemicals and antimicrobial activities of *Abutilon indicum* L. National seminar organized by the Dept. of Botany, M.G.M College, Udupi, 23rd – 24th Jan. 2014.

International

1. **Chandra M.** Enzymatic activity in the diseased leaves of Eri silk worm food plants. International Symposium on Biology in the 21st Century. A discussion meeting on Genes, Genomics and Development and XXI All India Cell Biology Conference held at Indian Institute of Science, Bangalore, March 19th to 23rd, 1998.
2. **Chandra M.** Post inflectional biochemical changes in foliar diseases of food plants of eri silk worm. 3rd International/ 15th National Symposium on Recent trends in Life Science held at Bangalore University, Feb. 11th to 13th 1999.
3. **Chandra M.** Antioxidant and antimicrobial activities of medicinally important plants. International conference on “Recent Advances and Challenges in Biotechnology” Organized by Department of Biotechnology and Engineering” Nitte, Udupi. 27th - 29th Dec. 2012.
4. **Chandra M.** Antimicrobial activity of medicinal plants against human pathogenic bacteria. International conference on “Chemical, Environmental and Bioprocessing Engineering” organized by Krishi Sanskrithi at JNU, New Delhi, 21st - 22nd Dec. 2013.
5. **Chandra M** and Mahesh N.M. Antifungal activity of medicinal plant extracts against seed-borne pathogenic fungi. International conference Organized by the Dept. of Botany, Karnataka University, Dharwad, held at Mysore, Quorum Hotel, 30th - 31st, Jan. 2014.

Awards

Young Scientist Medal Award 1998 by Indian Academy of Environmental Sciences, Haridwar.

Membership of Professional Bodies

Member - BOS and BOAE Biosciences
Member - P.G Admission Committee
Member - SPARSH Committee
Chairperson - Internal Complaint Committee
Member - NAAC criteria IV
Member- Local Inquiry Committee