

Chitra B. Nair, Assistant Professor, College of Agriculture, Vellayani

Address:

Saphalyam, Teachers Lane, TLRA1,
Kowdiar P. O. Kuravankonam,
Thiruvananthapuram, Kerala

Phone:

+91 9495938704

Email:

chithra.b@kau.in

chitrasanthosh@gmail.com

Summary

Mrs. Chitra B. Nair has completed her under graduation and Post-graduation from Kerala Agricultural University, College of Agriculture, Vellayani. In post graduate research programme, she worked on "Management of foliar blight of amaranthus using Plant Growth Promoting Rhizobacteria (PGPR) and a chemical activator Acibenzolar-S- Methyl". Her areas of interest are biological control and integrated disease management. She has teaching experience of around 14 years in Vocational Higher secondary department as Vocational Teacher in Agriculture.

Experience

- Sixteen years of teaching experience
- Joined Kerala Agricultural University as Assistant Professor (Plant Pathology) in the year 2021 (from 17/02/2023 onwards)
- Served Vocational Higher secondary Department as Vocational teacher in Agriculture from 2007-2021

Education

- Graduated in Agricultural Science from Kerala Agricultural University (2002)
- Post Graduation in Plant Pathology from Kerala Agricultural University (2006)

Area of Specialization

Biological Control of Plant Diseases, Integrated disease management, Nanotechnology for disease management

Research Projects

Ongoing

- Network project on nanotechnology at CoA, Vellanikkara
 - “Station wise funding” at CoA, Vellanikkara. The project entitled “Utilization of phylloplane antagonists from *Amaranthus* spp. to manage leaf blight disease of *Amaranthus tricolor*”
-

Completed

Nil

Publications

Journal Articles

1. Nysanth, N.S., Divya, S., **Nair, C.B.**, Anju, A.B., Praveena, R. and Anith, K.N., (2022). Biological control of foot rot (*Phytophthora capsici* Leonian) disease in black pepper (*Piper nigrum* L.) with rhizospheric microorganisms. *Rhizosphere*, p.100578.
2. **Nair, C. B.** And Anith, K. N.(2009). Efficacy of acibenzolar-S-methyl and rhizobacteria for the management of foliar blight disease of amaranth. *Journal of tropical Agriculture*, 47(1), 43-47.
3. **Nair, C. B.**, Anith, K. N. and Sreekumar, J. (2007) Mitigation of growth retardation effect of plant defense activator, acibenzolar-S-methyl in amaranthus plants by plant-growth promoting rhizobacteria. *World Journal of Microbiology and Biotechnology* 23:1183- 1187

Abstracts:

1. Vigi, S., Anusree, A.R., Divya, S., **Nair, C.B.** and Anith, K.N.2023.Spraying seeds with endospore-forming beneficial bacteria during processing ensures growth promotion and disease protection. In: *Abstract cum souvenir of 8th Asian PGPR Society for Sustainable Agriculture -National Conference on Beneficial Microbes for Integrated Plant Health Management*, 19-21 September 2023, College of Horticulture, GKVK, Bengaluru, p:
2. Varsha S. Nair., **Divya, S.**, Susha S. Thara., **C.B. Nair.** and Anith, K.N. 2023. Silver nanoparticles green synthesized using leaf extract of *Piper longum* for the management of anthracnose in chilli. In: *Abstracts of papers of National Symposium on Plant Health Management: Current Trends and Novel Mitigation Strategies*, 11 -12 September 2023, Central Tuber Crops Research Institute, p:103-104
3. C R Rashmi, P Anitha, Flemine Xavier, C F Gleena Mary, C Anju, **Chitra B Nair**, K Shahida, Karolsha Sebastian and P Suhaira A new leaf spot and stem blight disease of cucurbits from Kerala. In: *AICRP (Vegetable Crops) Golden Jubilee National Symposium New Opportunities in Vegetable Production for Sustainable Development*, 20-22 December 2022, All India Coordinated Research Project on Vegetable Crops ICAR-Indian Institute of Vegetable Research, Varanasi Indian Council of Agricultural Research, New Delhi, p: 182
4. **CB Nair**, KN Anith and Umamaheswaran K. 2006. Involvement of systemic resistance in the suppression of leaf blight disease of amaranthus. In: *Extended abstract in the proceedings of the 18th Kerala Science congress*, 29-31 January 2006, Center for Earth Science Studies
5. **CB Nair** and KN Anith. 2005. Management of foliar blight of amaranthus using Plant growth promoting Rhizobacteria and Acibenzolar-S- Methyl.In: *Proceedings of National symposium on microbial technology for productive agriculture*, TNAU. 7-8, October 2005,

Student Guidance (Major Advisor/ Advisory Committee member)

M. Sc.

Within KAU: Completed:1

Ongoing : 3

Other Institutional Responsibilities

1. Currently acting as student Advisor/faculty mentor to 10 Undergraduate students.
2. Currently class teacher of one unit of UG students

Trainings/courses attended: Eight

Seminars/ Symposium/Workshops/Conferences attended: Eight