

Name : Dr.H.Rehana banu

Designation : Assistant Professor

Department : Botany

Qualification : M.Sc., M.Phil.,Ph.D. PGDBD

Experience : Teaching -11 Years

Research : 15 Years

Area of Specialization(s) : Microbiology, Phytochemistry, Pharmacognosy

Email(OfficialID) : rehanabanu@psgrkcw.ac.in

Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Botany	Bharathiar University, Coimbatore	2013
M.Phil.	Botany	Bharathiar University, Coimbatore	2009
M. Sc.	Botany	Bharathiar University, Coimbatore	2008
B.Sc.	Botany	Bharathiar University, Coimbatore	2006

Additional Qualifications

Diploma/ Certification	Area of Specialization	Institution/UniversityName	Year
Certification	Algal Biotechnology	Coursera / Technical University of Denmark	2023
Certification	Antimicrobial resistance - theory and methods	Coursera / UC San Diego	2023
Certification	PG Diploma in Biodiversity	Bharathiar University, Coimbatore	2022

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph.D.	3	1

Research Publications (Indexed)

- Published 25 research papers in International and National indexed journals.

Book Chapters Published :

- Contributed scholarly chapters to 5 edited books, adding to subject-specific literature.

NCBI submission-

Successfully submitted nine species records to NCBI database for public access.

- *Bacillus cereus*
- *Chlorella vulgaris*
- *Cellulosimicrobium funkei*
- *Candida albicans*
- *Aspergillus flavus*
- *Aspergillus niger*
- *Fusarium solani*
- *Saccharomyces cerevisiae*
- *Scenedesmus armatus*

Short Term Course

➤ **Online Short Term Course** in “**Biodiversity – Status, Services & Management Practices**” organized by the Department of Botany, PG Diploma in Biodiversity, Kongunadu Arts and Science College, Coimbatore, TN, India.

➤ **One Week Short Term Course on "Algal Biotechnology and Biorefinery"** hosted by the Chennai Research Foundation, Chennai

Acted as a Resource Person

- Served as “**Subject Expert**” in the Selection Committee for recruitment of Assistant Professor in Department of Botany, Kongunadu Arts and Science College, Coimbatore.
- Delivered **Lecture** on “Use of foldscope as a research tool” at Department of Forestry, Mizoram University, Aizawl, Mizoram.
- Acted as “**Resource Person**” in the Foldscope Workshop held at NGM College, Pollachi and Corporation Government High school, Varatharajapuram, Coimbatore.
- Acted as “**Moderator**” at the International Conference on “Recent Innovations in Biological Research” held at Department of Botany, PSGR Krishnammal College for Women, Coimbatore.
- Acted as “**Resource Person**” in the Awareness on "Role of microbes in industry and health care" at Corporation Middle School, Peelamedu, Coimbatore.
- Acted as “**Judge**” for the Science Contest 2025 at The United Public School, UIT Nagar, G.Koundampalayam, Periyanaickenpalayam, Coimbatore.
- Acted as “**Resource Person**” in the Awareness on "Role of microbes in industry and health care" at Corporation Middle School, Peelamedu, Coimbatore.
- Acted as “**Resource Person**” in the Awareness on "Antimicrobial Resistance" at The United Public School, UIT Nagar, G.Koundampalayam, Periyanaickenpalayam, Coimbatore.

DC meeting member : 1. Kongunadu Arts and Science College, Coimbatore
2. Nirmala College for Women, Coimbatore
3. Botanical Survey of India, Southern Regional Centre, Coimbatore

Board of Studies member: 1. Kongunadu Arts and Science College, Coimbatore
2. Nirmala College for Women, Coimbatore

Reviewer in Journal

- International Journal Of Creative Research Thoughts
- International Journal of Secondary Metabolite
- Journal of Pharmaceutical Research
- International Journal of Plant and Environment

Paper Presentations in Conference/Seminars

- ❖ Presented scholarly papers in conferences and seminars, contributing to knowledge exchange to a total of International -22 and National -20

Participation in Conference/Seminars/Workshops/Training Programs

- Engaged in over 30 academic and professional events, including conferences, seminars, workshops, and training programs

Participation in Faculty Development Programme

- ❖ Participated in 30 National and International FDPs to strengthen subject expertise and teaching skills

Participation in Webinar

- ❖ Participated in 22 National and International Webinars to enhance professional knowledge and skills.

Conference/Seminar/Workshop Organized

- Coordinated various academic events such as webinars, guest lectures, workshops, Institutional Visits, Community oriented activities, Awareness programmes, and International Video Conferences.

Grants

- 1) DBT funded project entitled “**Exploration of Arbuscular Mycorrhizal Fungi (AMF) in the rhizosphere of five varieties of *Cocos nucifera* L.in Pollachi Taluk, Coimbatore District, Tamilnadu, India**”.
- 2) GRG Trust Project entitled “**An autonomous tool to predict the Ayurvedic leaf and its medicinal benefits using machine learning algorithms**”
- 3) GRG Trust Project entitled “**Phycoremediation of Lake Water: A Synergistic Approach Using Microalgae**”

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Science Congress Association	Life member	Life member

Indexing and Citations

- High-quality research is published in journals indexed by Scopus, and Web of Science.

Contribution

- Ecowatch Club Coordinator (College level) since 2022
- Criteria-II Department In-charge since 2018 onwards
- UG and PG Admission In-charge since 2017 onwards
- Placement Co-ordinator and Karishma Co-ordinator (Department Level) during 2017.
- Instruments In-charge (Department Level) from 2018 to 2024.
- Acting as a Member for Audit Committee
- Department Association In-charge and BOS member
- Institute Innovation Cell – member (College level) during 2019.
- National Digital Library Co-ordinator (Department Level)during 2018
- CSIR NET-SET Co-ordinator (Dept. level) during 2019, 2024 and 2025.
- Coursera Program Co-ordinator (Dept. level) from 2021-2024.
- CHIRD (Consortium of Higher Educational Institutions for Research and Development)Co-ordinator (Dept. level) since 2024.
- Academic and Administrative Audit In-charge (Dept. level) for the period from 2022-2025.
- Consumables In-charge (Department Level) since 2024.
- Department Association In-charge (2017-18 and 2022-23).