



premina@mcc.edu.in

<https://orcid.org/0000-0002-9905-3780>

Name - Dr S Premina
Designation - Assistant Professor
Education :

- UG - (B.Sc., University of Madras, 1998-2001)
- PG - (M.Sc., Madurai Kamaraj University, 2001-2003)
- M.Phil. - (Biotechnology, Bharathidasan University, 2006)
- Ph.D. - (Microbiology, Bharathiyar University, 2023)

Brief Bio:

S Premina, Assistant Professor is a faculty member with 17 years of teaching experience. She teaches Introduction to Microbes, Microbiology in Day-to-day Life (General Course), Introductory Forensic Science (Interdisciplinary course), Immunology, Industrial Microbiology, Pharmaceutical Microbiology, and Christian Studies (Value education) for undergraduate students. She has been a faculty for the Anatomy and Physiology, Biochemistry and Histopathology (PGDMLT) course at MCC School of Continuing Education. She has completed a funded project from the Tamil Nadu State Council for Science and Technology (Government of Tamil Nadu) under the Disseminative Innovative Technology (DIT). She is a coordinator for the Environment, Health & Sanitation Club (EHS Club). She has published articles in journals in her areas of research.

Complete CV

1. **Name** – Dr S Premina

2. **Education**

- UG - (B.Sc., University of Madras, 1998-2001)
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- M.Phil - (Biotechnology, Bharathidasan University 2006)
- Ph.D - (Microbiology, Bharathiar University, 2023)

3. **Publications**

Amylase Production by *Aspergillus niger* and *Penicillium* species by Solid-State and Submerged Cultivation Using Two Food Industrial Wastes, Nature Environment and Pollution Technology. An International Quarterly Scientific Journal, Vol. 20 No.3 pp. 1127-1135 2021 p-ISSN: 0972-6268, e-ISSN: 2395-3454.

Standardization and Application of PCR Targeting *Chlorella* species Isolated from Environmental Samples. International Journal of Pharmacy and Pharmaceutical Sciences Print ISSN: 2656-0097 | Online ISSN: 0975-1491.

Optimization of Pomegranate Peel Extracts for the Bioconversion of the Ellagitannins to Ellagic Acid using *Aspergillus niger*, *Rhizopus oryzae*, and Mixed Culture. International Journal of Pharmacy and Pharmaceutical Sciences, Print ISSN: 2656-0097 | Online ISSN: 0975-149

Homeopathic Medicine as a Nanomedicine – Spirulina, Journal of Emerging Technologies and Innovative Research (JETIR), JETIR2012230 December 2020, Volume 7, Issue 12 222-230p (ISSN-2349-5162)

4. Research Interests (Specialisations)

- Nanobiotechnology
- Pharmaceutical Microbiology
- Industrial Biotechnology
- Soil Microbiology

5. Courses taught (UG & PG for the past 5 years)

- Introduction to Microbes.
- Microbiology in Day-to-day life.
- Introductory Forensic Science.
- Immunology.
- Industrial Microbiology.
- Pharmaceutical Microbiology.
- Christian Studies (Value education)

6. Presentations

Surfactant-Assisted Sol-Gel Synthesis of Cobalt Oxide Nanoparticles for Antimicrobial Activity in an International Conference on Biotechnology & Bioengineering (ICBB-2014) held at Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.

Evaluation of Antimicrobial and Anticancer Activity of Piper betel Leaf Extract in National Conference on "Trends and Innovations in Biological Sciences", held at Ethiraj College for Women, during February 14th & 15th, 2018.

7. Resource Persons

Invited as a Resource person for “**Workshop on Environmental Education for Sustainable Development**” " conducted by the Department of Social Work, Madras Christian College, and delivered a Guest Lecture on “**Environmental Concerns at the National Level**”, during February 2017.

8. Administrative Positions

- Coordinator for the Administration of General Course (GC)
- Department of Microbiology, EHS Club Coordinator
- Department of Microbiology, Prayer Fellowship – Staff In-charge
- Member of Sports Committee
- Member of the RSL School (2019 – 2021)
- Member of Missionary Scholarship
- Nodal Officer – Online Examinations (2020 – 2021)
- IQAC Department Nodal Officer
- Polling Officer (CUS, NRWSF election)
- Enrolment Officer - Admission