

PROFILE

Name : Dr.K.SOWMYA
Gender : FEMALE
Department : BIOTECHNOLOGY & BIOINFORMATICS
Staff ID : TBT2022M05
Educational Qualification : M.Sc., M.Tech., Ph.D



S. No.	Degree / Diploma	Subject / Main	Name of the College / University
1.	B.Sc.	BIOTECHNOLOGY	Avinashilingam University, Coimbatore
2.	M.Sc.	BIOTECHNOLOGY	Bishop Heber College, Trichy
3.	M.Tech	BIOTECHNOLOGY	VIT University, Trichy
4.	Ph.D: Full Time	BIOTECHNOLOGY	Bharathidasan University

Aided **Management** **Shift I** **Shift II**

Teaching Experience at Holy Cross College: 3.3 Years

Total Teaching Experience: ___5.8___ Years

Journal / Articles Published: 04

LIST OF PUBLICATIONS

- ◆ **Sowmya kuppusamy**, Seenivasan Ramanathan, Subramanian Sengodagounder, Chinnaraj Senniappan, Kathirvel Brindhadevi, and Thamaraiselvi Kaliannan. "Minicutting-A powerful tool for the clonal propagation of the selected species of the *Eucalyptus* hybrid clones based on their pulpwood studies." *Biocatalysis and Agricultural Biotechnology* 22 (2019): 101357. DOI: [10.1016/j.bcab.2019.101357](https://doi.org/10.1016/j.bcab.2019.101357)
- ◆ **Sowmya kuppusamy**, Seenivasan Ramanathan, Subramanian Sengodagounder, Chinnaraj Senniappan, Rajasree Shanmuganathan, Kathirvel Brindhadevi, and Thamaraiselvi Kaliannan. "Optimizing the sterilization methods for initiation of the five different clones of the *Eucalyptus* hybrid species." *Biocatalysis and Agricultural Biotechnology* 22 (2019): 101361. DOI: [10.1016/j.bcab.2019.101361](https://doi.org/10.1016/j.bcab.2019.101361)
- ◆ Tan Phat Chau, Muthusamy Muthusamy, Arunachalam Chinnathambi, Tahani Awad Alahmadi, **Sowmya Kuppusamy**. "Optimization of extraction and quantification of flavonoids from *Averrhoa bilimbi* fruits using RP-HPLC and its correlation between total flavonoids content against antimicrobial activity." *Applied Nanoscience* 2021 : 1-8. DOI: [10.1007/s13204-021-02020-1](https://doi.org/10.1007/s13204-021-02020-1)

- ◆ Kumar, D. & Puthiran, S. & Selvaraju, Gayathri & Matthew, Paul & Senthilkumar, P. & Kuppusamy, Sowmya & Mani, Ravishankar Ram & Hatamleh, Ashraf & Dosary, Munirah & Chang, Soon-Woong & Ravindran, Balasubramani. (2023). Preparation and Characterization of Magnetite-Polyvinyl Alcohol Hybrid Nanoparticles (As-PVA-MNPs) Using *Acanthophora spicifera* Marine Algae Extract for Enhanced Antimicrobial Activity Against Pathogenic Microorganisms. *Molecular Biotechnology*. DOI: [10.1007/s12033-023-00903-y](https://doi.org/10.1007/s12033-023-00903-y).

Conference/Seminar/Workshop/ Training Programme attended - Academic & General:

Name of Conference	Place (City & Country),	Date
International Symposium on “Opportunities and Challenges in Biomedical Sciences and Entrepreneurial Development”	Organizing Member , PG & Research Department of Biotechnology, Holy Cross College, Trichy	8 th & 9 th January 2024
International Conference on Innovations and Applications in Biomedical and Health Sciences	Organizing Member , PG & Research Department of Biotechnology, Holy Cross College, Trichy	23-25 th of January 2023
A five day lead auditor course on “Environmental management system, Green campus, Energy and Hygiene Audits” to Educational Institutions and Industrial sectors”	Organized by Nature Science Foundation, Coimbatore	9 th may -13 th may, 2022
Workshop on Science Direct Platform for maximum impact	Organized by Holy Cross College, Trichy	1 st March 2022
Workshop on Research writing and Journal selection powered by scopus	Organized by Elseiver	28 th February 2022
Workshop on “Item Writing”	Holy Cross College, Trichy	September, 2021
Orientation session on “Learning outcome based curriculum framework”	Holy Cross College, Trichy	July 2021
Techniques of biodiversity conservation	Organized by Department of Environmental sciences and management, Bharathidasan University, Trichy.	16 th October 2020
International Conferences on Physiological diseases	Jointly organized by Bharathidasan University, Nanyang Technological University, Bharathiar University, and Kalasalingam Academy of Research and Education.	14 th and 15 th October 2020

Mobile : 9791006745

Email – ID : sowmya@hcctrichy.ac.in