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Dr. S. KAVITHA's PROFILE



Dr. S. KAVITHA M.Sc., Ph.D.

DESIGNATION: **Associate Professor**

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Date of Joining : 28/01/2008

Academic Background

Degree	University	Year
Ph.D. (Biotechnology)	Bharathiar University, Coimbatore, Tamilnadu, India	2008
M.Sc. (Microbiology)	Madurai Kamaraj University, Madurai, Tamilnadu, India	2003
B.Sc. (Microbiology)	Mother Teresa Womens University,	2001

Degree

University

Year

Kodaikanal, Tamilnadu, India

Courses Taught

- Microbiology
- Cell Biology
- Environmental Biotechnology
- Industrial Effluent Treatment
- Entrepreneurship, IPR and Biosafety

Research Interests

- Microbial/Environmental Biotechnology
- Water Treatment Technology and Microbial Fuel Cell
- Nanobiotechnology

MOST RECENT PUBLICATIONS

Suresh, S., N. Bhuvanesh, A. Raman, P.Sugumar, D. Padmanabhan, E.Shanmugam, M.N. Ponnuswamy, **S. Kavitha*** and R. Nandhakumar*, 2019. Experimental and theoretical studies of imidazole based chemosensor for Palladium and their biological applications, **Journal of Photochemistry and Photobiology A-Chemistry**, 385:1-10 (**Elsevier**) **IF: 4.291**

Kalivel, P., Singh, R.P., **Kavitha, S.**, Padmanabhan D ,Suresh Kumar, K, Palanichamy, J., 2020. Elucidation of electrocoagulation mechanism in the removal of Blue SI dye from aqueous solution using Al-Al, Cu-Cu electrodes - A comparative study, **Ecotoxicology and Environmental Safety**, 201:1-10 (**Elsevier**) **IF:6.291**

Smeera T., Nitha T.V. and **S. Kavitha***, 2021. Isolation, characterization and optimization of chrysene degradation using bacteria isolated from oil-contaminated water, **Water Science and Technology**, <https://doi.org/10.2166/wst.2021.227> (**IWWA Publishers**) (**IF: 1.915**)

Parameswari K., Jithin C. J., **Kavitha S.**, Padmanabhan D., Jebasingh B., Jegathambal P., Asath M. Maria S. and J. D. Jovitha, 2021. Efficiency assessment of Cu and Al electrodes in the removal of anthraquinone based disperse dye aqueous solution in electrocoagulation–an

analytical approach, **International Journal of Environmental Analytical Chemistry**
<https://doi.org/10.1080/03067319.2021.1940988> (Taylor and Francis) IF: 2.826

Angelin A., Kalpana, M., K. Govindan and **S. Kavitha***, 2021. Characterizations and fluoride adsorption performance of wattle humus biosorbent, **Environmental Science and Pollution Research** <https://doi.org/10.1007/s11356-021-14864-9> (Springer) IF:4.223

PROJECTS HANDLED

- ❖ 2011-2013: R & D project entitled from **DRDO-Defence Research Laboratory**, Tezpur, for **INR 9.07 Lakhs (Completed)**
- ❖ 2008 -2009: Project entitled Feasibility of seed materials for removal of fluoride from groundwater from **Karunya Short Term Research Grant, Karunya University** for **INR 0.5 Lakhs (Completed)**

PATENTS PUBLISHED

- ❖ Preparation and characterization of carbonized Wattle humus. File No. 1225/CHE/2015.
- ❖ Biosynthesis of isopropyl myristate application no. 2018/41028122
- ❖ A microbial fuel cell for generating electricity from wastewater App. No. 202041021896

Memberships in Professional Bodies

- ❖ International Society for Fluoride Research – Life Time Member