PANEL OF EXPERT:4

Name : **Dr. Kavitha S**
Designation : **Assistant Professor**

Address :**Department of Biotechnology Karunya Institute of Technology and Sciences (Deemed University), Karunya Nagar, Coimbatore - 641114**

No. of Publication : 37

No. of Publication (for last five years) **: 17**

Specialization : Microbiology-Microbial/Environment Biotechnology

Tel. no. : +91 9443390590 **Email ID :** kavibiotec@karunya.edu

List of publication for last five years:

TITLE	YEAR
Comparative study on removal of yellow 10gw dye from aqueous solution using Al, Cu electrodes in electrocoagulation P Kalivel, T Jagadeesh, S Kavitha, D Padmanabhan, J Palanichamy, ... Materials Today: Proceedings	2020
Elucidation of electrocoagulation mechanism in the removal of Blue SI dye from aqueous solution using Al-Al, Cu-Cu electrodes-A comparative study P Kalivel, RP Singh, S Kavitha, D Padmanabhan, S kumar Krishnan, ... Ecotoxicology and environmental safety 201, 110858	2020
Two-quadrant current reversible non-isolated DC-DC converter for plug-in electric vehicle chargers RB Selvakumar, C Vivekanandan, S Kavitha AIP Conference Proceedings 2207 (1), 040004	2020
A FTIR approach of green synthesized silver nanoparticles by Ocimum sanctum and Ocimum gratissimum on mung bean seeds C Karthik, S Suresh, S Kavitha Inorganic and Nano-Metal Chemistry	2020
Rhodium (III) complexes derived from complexation of metal with azomethine linkage of chitosan biopolymer Schiff base ligand: Spectral, thermal, morphological and … T Vadivel, M Dhamodaran, S Kulathooran, S Kavitha, K Amirthaganesan,	2020

... Carbohydrate research 487, 107878

Bioprospecting potential of mangrove resources 2020
K Kathiresan
Biotechnological Utilization of Mangrove Resources, 225-241

Eco-friendly Synthesis of CRGO and CRGO/SnO_2 Nanocomposite for Photocatalytic Degradation of Methylene Green Dye 2019
S Ramanathan, N Radhika, D Padmanabhan, A Durairaj, S Paul Selvin
ACS omega 5 (1), 158-169

Preparation and characterization of hybrid chitosan-silver nanoparticles (Chi-Ag NPs); A potential antibacterial agent 2019
P Senthilkumar, G Yaswant, S Kavitha, E Chandramohan, G Kowsalya
International journal of biological macromolecules 141, 290-298

Experimental and theoretical studies of imidazole based chemosensor for Palladium and their biological applications 2019
S Suresh, N Bhuvanesh, A Raman, P Sugumar, D Padmanabhan
Journal of Photochemistry and Photobiology A: Chemistry 385, 112092

Bioprospecting potential of mangrove fungus from vellar estuary, southeast coast of india for biocontrol of damping off on mustard 2019
P Sureshkumar, S Kavitha
Research Journal of Biotechnology 14, 72-78

Prevalence of arsenicosis in arsenic contaminated tube wells of 24 north parganas (West Bengal) 2018
PDS Kavitha, Res. J. Chem. Environ. 22 (3), 8-11

Synthesis and characterisation of zinc oxide nanoparticles using terpenoid fractions of Andrographis paniculata leaves 2017
S Kavitha, M Dhamodaran, R Prasad, M Ganesan
International Nano Letters 7 (2), 141-147

Atorvastatin improves Y-maze learning behaviour in nicotine treated male albino rats, SS Nair, S Kavitha, J Febi, M Indira 2015
Pharmacology Biochemistry and Behavior 138, 117-122

Anticancer activity of zinc nanoparticles made using terpenoids from aqueous leaf extract of Andrographis Paniculata 2015
M Dhamodarana, S Kavithab
International Journal of Pharmaceutical Sciences and Nanotechnology 8, 3018

In-Vitro Anticancer Activity of Silver Nanoparticle in Terpenoid for Andrographis Paniculata (Ag-Nps TAP) by MTT Assay Method against Hela &Hep-2 2015
M Dhamodaran, S Kavitha
International Journal of Advanced Research in Chemical Science 2, 8-13

Removal of arsenic from aqueous solution using SiO2 nanoparticles doped carbonized Zygosaccharomyces bailli 2015
AA S. Kavitha, J. Chris Anna, D. Padmanabhan
International Journal of PharmTech Research 8 (10), 107-113

Preparation and characterization of SiO2 nanoparticles doped carbonized Zygosaccharomyces bailli for arsenic deduction 2015
AA S. Kavitha, R. Shilpa, D. Padmanabhan
International Journal of ChemTech Research 8 (11), 450-456