Dr. Gayathri P V

**Paper Presentations:**

1. PadinchareVeettil Gayathri\*, Divya Nair2, Shijo Joseph3, ‘Solar-Enhanced Photocatalytic Decontamination of Water from Tetracycline Antibiotics and Its Application In Aquaculture’, Albertian Knowledge Summit (AKS 2024), Green Energy & Sustainable Development, GESD 2024, 07-08, February 2024, St Alberts College, Ernakulam.
2. PadinchareVeettil Gayathri, Divya Nair, and Shijo Joseph, ‘Solar-Enhanced Photocatalytic Decontamination of Water from Tetracycline Antibiotics and Its Application in Aquaculture’, Proceedings of the 3rd International Electronic Conference on Processes-Green and Sustainable Process Engineering and Process Systems Engineering, 28 May, 2024, 105(1), 2, MDPI.
3. Presented a journal paper entitled ‘Solar Fenton process: Comparison of an inexpensive green technology for the decontamination of wastewater from toxic Rhodamine B dye pollutant with classic, ultrasound, and microwave Fenton processes’ in the national webinar on Neoteric Advances in Chemical Sciences (NACS 2021), University of Kerala on 30th -31st December 2021.
4. Presented a paper entitled ‘Photocatalysis as an Effective Advanced Oxidation Process for the removal of Pharmaceutical Molecules Diclofenac and Chloroquine from wastewater’ in an international online conference on Environmental Studies and Coastal Ecosystems in India (ECEI-2022) organized by the Department of Environmental Studies, University of Kerala on 26th -28th January 2022.
5. Presented a poster entitled ‘Sunlight induced decontamination of water from emerging pharmaceutical pollutants: an inexpensive green technology using ZnO nanoparticles’ in an international conference on Water: From Pollution to Purification organized by the Department of Environmental Studies, M.G. University on 09-12 February 2023.
6. Sneha V.S, Vincy Antony, Telsa. T, Sreelakshmi M.G, Thara Surendran, Divya Nair, and P V Gayathri, ‘Decontamination Of Tetracycline From Water Using Immobilized Magnetite’, Albertian Knowledge Summit (AKS 2024), Green Energy & Sustainable Development, GESD 2024, 07-08, February 2024, St Alberts College, Ernakulam.
7. Divya Nair, Gayathri P. V, Girish Gopinath “A comparative study of ultrasound and natural sunlight on Zinc Oxide mediated photocatalytic degradation of Antibiotic Resistance Bacteria” has been presented in the National seminar/workshop on Ecosystem-Monitoring Assessment and conservation (Environment Management Training -2022), March 9-11,2022.
8. Divya Nair, Gayathri P. V, Girish Gopinath “A paper entitled “Zinc Oxide mediated photocatalytic degradation of Antibiotic Resistance Bacteria: A comparative study of Ultrasound and Natural Sunlight” was presented at the International conference on water and environmental management” dated on June 21 -22 2022 by CWRDM-KCSTE.
9. Divya Nair, Gayathri P. V, Girish Gopinath “Solar energy as an inexpensive eco-friendly advanced oxidation process for the removal of antibiotic resistance bacteria” was presented and published in proceedings in the International Conference on Sustainable Technology and Innovation for Industry 4.0-icstii-2022) dated 21 & 22 April 2022 and was awarded as best presentation.
10. Divya Nair, PadinchareVeettil Gayathri, Achu A L, Shijo Joseph, Girish Gopinath “Geospatial –Statistical Analysis and Driving Factors of the Current use of Antibiotics in Selected Farms of Southern India”, presented at the National Seminar on “The future of Geographical Information Future”, dated on 15 November 2023 organized by Kerala University of Fisheries and oceans Studies (KUFOS).
11. Divya Nair, PadinchareVeettil Gayathri, Girish Gopinath “Antibiotics usage and its removal in aquaculture under natural sunlight using nano ZnO” was presented at the National Conference on Reviving Wetlands dated October 13-15, 2023 by CWRDM.
12. Divya Nair, PadinchareVeettil Gayathri, Girish Gopinath “Prevalence of self-medication use of antibiotics among the population in Ernakulam district in Kerala, India”, Medical Science Forum Journal, MDPI, 3rd international electronic conference on antibiotics (ECA2023), dated on 1 to 15 December, 2023 organized and sponsored by MDPI.
13. Divya Nair, PadinchareVeettil Gayathri, Girish Gopinath “Zinc Oxide-Mediated Sono Photo and sonophotocatalytic Approaches for Eliminating Antibiotic-Resistant Bacteria” presented at National Seminar on Hydrology 'Hydrological Solutions for Sustainable on 1 st – 2 nd December 2023 Development' organized by 41 AHI Annual Convention.
14. Divya Nair, PadinchareVeettil Gayathri, Girish Gopinath, ‘Sonophotocatalytic Removal of Bacterial Pollutant from Water Using ZnO as Catalyst’, Albertian Knowledge Summit (AKS 2024), Green Energy & Sustainable Development, GESD 2024, 07-08, February 2024, St Alberts College, Ernakulam.
15. Gayathri P. V, Divya Nair, Shijo Joseph, ‘Effect of oxidants and anions on solar Fenton process for the decontamination of wastewater from toxic Rhodamine B dye pollutant’ was presented and has been published in proceedings at the International Conference on Sustainable Technology and Innovation for Industry 4.0 - (icstii 2022) dated 21 & 22 April 2022.
16. P.V. Gayathri, E.P. Yesodharan, Suguna Yesodharan, “Solar Fenton process: An inexpensive green technology for the decontamination of wastewater from toxic chemical pollutants”, International Conference on Emerging Trends in Engineering and Management (ICETEM 16), Sree Narayana Gurukulam College of Engineering, Kolenchery, Ernakulam, Kerala, January 13-14 (2016) IOSR-JAC, p. 1-14.
17. P.V. Gayathri, K.P. Vidya Lekshmi, Suguna Yesodharan, E.P. Yesodharan, “Microwave Assisted Catalytic Degradation of Traces of Rhodamine B in Water in Presence of H2O2”, International Conference on Emerging Trends in Engineering and Management, Sree Narayana Gurukulam College of Engineering, Kolenchery, Ernakulam, Kerala, December 30-31, (2014) IOSR-JAC, p. 1-11.
18. P.V. Gayathri, K.P. Vidya Lekshmi, Suguna Yesodharan, E.P. Yesodharan, “Mass spectroscopy as a powerful tool for the identification of a multitude of intermediates formed during the AOP degradation of dye pollutants in water”, International Conference on Mass Spectrometry, M.G.University, Kottayam, ICMS-2017, December 12-14.
19. P.V. Gayathri, Suguna Yesodharan, E.P.Yesodharan, “Advanced oxidation process based on microwave energy for the decontamination of wastewater”, 'International Conference on Emerging Environmental and AOT for energy, Environment and Sustainability' at Anna University, Chennai, September 29-30 (2014).