Dr. Gayathri P V

**Journal Publications:**

**International:**

1. Nair, D., Gayathri, P.V. and Gopinath, G., 2024, January. Prevalence of Self-Medicated Use of Antibiotics among the Population in Ernakulam District in Kerala, India. In Medical Sciences Forum (Vol. 24, No. 1, p. 13). MDPI **(ISSN 2673-9992).**
2. Gayathri, P.V., Rayaroth, M.P., Aravindakumar, C.T., Pillai, D. and Joseph, S., 2023. SUNLIGHT-INDUCED decontamination of water from emerging pharmaceutical pollutants using ZnO nanoparticles. Chemosphere, 343, p.140265**(Impact Factor: 8.1, ISSN: 1879-1298).**
3. Gayathri, P.V., Joseph, S., Mohan, M. and Pillai, D., 2023. Advanced oxidation processes for the degradation of microplastics from the environment: A review. Water and Environment Journal, 37(4), pp.686-701**(Impact Factor: 1.7,ISSN: 1747-6593).**
4. Gayathri, P. V., Nair, D., Gopinath, G., Pilla, D., & Joseph, S. (2023). Solar Photocatalysis for the Decontamination of Water from Emerging Pharmaceutical Pollutant Chloroquine Using Nano ZnO as the Catalyst. Water, Air, & Soil Pollution, 234(3), 1-16**(Impact Factor: 3.8,ISSN: 00496979).**
5. Gayathri, P.V., Joseph, S., Yesodharan, S. and Yesodharan, E.P., 2023. Fenton and solar Fenton processes: inexpensive green technologies for the decontamination of wastewater from toxic Rhodamine B dye pollutant. Water Practice & Technology, 18(8), pp.1938-1958**(Impact Factor: 1.6,ISSN:0273-1223).**
6. P.V. Gayathri, E.P. Yesodharan, Suguna Yesodharan, (2019). “Microwave/Persulfate assisted ZnO mediated photocatalysis (MW/PS/UV/ZnO) as an efficient advanced oxidation process for the removal of RhB dye pollutant from water”, Journal of Environmental Chemical Engineering, 7, 103122 **(Impact Factor: 7.4, ISSN: 2213-3437).**
7. P.V. Gayathri, Suguna, Yesodharan, E.P. Yesodharan, (2017). “Purification of water contaminated with traces of Rhodamine B dye by microwave-assisted, oxidant-induced and zinc oxide catalyzed advanced oxidation process”, Desalination and Water Treatment, 85, 161-174 **(Impact Factor: 1, ISSN: 1944-3986).**
8. K.P. Vidya Lekshmi, P.V. Gayathri, S.G. Anju, K.P. Jyothi, Suguna Yesodharan, E.P. Yesodharan, (2016). “Application of ultrasound under different conditions for the purification of water contaminated with chemical and bacterial pollutants”, Vol.1, 614-631**(AQCJ Impact factor: 3.149, ISSN: 2250-3021).**
9. K.P. Vidya Lekshmi, P.V. Gayathri, Suguna Yesodharan, E.P. Yesodharan, (2014). “MnO2 Catalysed Microwave Mediated Removal of Trace Amount of indigo Carmine Dye from Water”, Vol.1, IOSR-JAC, 29-40 **(AQCJ Impact factor: 3.149, ISSN: 2250-3021).**
10. P.V. Gayathri, E.P. Yesodharan, Suguna Yesodharan, (2016). “Solar fenton process: An inexpensive green technology for the decontamination of wastewater from toxic chemical pollutants”, IOSR-JAC, 1-14 **(AQCJ Impact factor: 3.149, ISSN: 2250-3021).**
11. P.V. Gayathri, K.P. Vidya Lekshmi, Suguna Yesodharan, E.P. Yesodharan, (2014). “Microwave Assisted Catalytic Degradation of Traces of Rhodamine B in Water in Presence of H2O2”, Vol.1, IOSR-JAC, p1-11 **(AQCJ Impact factor: 3.149, ISSN: 2250-3021).**

**National:**

1. P.V. Gayathri, E.P. Yesodharan, Suguna Yesodharan, (2016). “Investigations on Classic Fenton Reaction as a simple inexpensive technique for the removal of toxic chemical pollutants from water”, Indian Journal of Applied Research, Vol.6, Issue 8, 28-33.**(SJIF Impact factor: 6.03, ISSN: 2249-555X).**