

### List of Publications - P.Gomathi Priya, Professor

1. S.Sivamani, P.Gomathi Priya , (2015) Extraction of resin from agro industrial waste as cashew nut sludge, Journal of Scientific and Industrial Search, Vol 74, 476-478.
2. Elavarasi N, Gomathi Priya.P (2015) Decolourization of methyl orange dye from synthetic waste water using biosynthesized iron nanoparticles, International Journal of Pharma and Biosciences, 6(1) 423-430.
3. Selvaraj sujathaDevi, Mathialagan sethu, Parthasarathy Lalithambigai,Ponnaiah Gomathi Priya (2015) Study on the toxicokinetics of Ni(II) on *Artimia franciscana*, Desalination and water treatment,57 (23 ) 1-7.
4. Sirimeetan kurinchyselvan, R. Sukumar, M Ariraman, Ponnaiah Gomathi Priya, Muthukaruppan Alagar, (2015), Low dielectric behaviour of amine functionalized MCM-41 reinforced polyimide nanocomposite, High performance polymers, 1-12.
5. Elavarasi Natarajan and Gomathi priya Ponnaiah,(2016) Synthesis of iron oxide micro and nano particles from aluminium industry waste and its application in the decolorization of reactive blue 235 dye. Current pharmaceutical biotechnology, volume 17, 873-885.
6. H. Devaki , P. Gomathi Priya, (2016) Corrosion Studies using Zeolite Synthesized from Fly Ash. Indian journal of science and Technology, Vol 9(20), pp 1-10.
7. Sethu Mathialagan, Gomathi Priya Ponnaiah, Vijay.M (2017) Synthesis and Characterisation of GO-ZnO nanocomposite material exhibiting photocatalytic degradation of dye waste water. Journal of scientific and industrial research, Vol 76, 44-49.
8. Elavarasi Natarajan, Gomathi Priya.P, (2016)Decolorization of reactive red 238 and reactive blue 235dyes by iron oxide nanoparticles synthesized using *syzygium cumini* leaf extract, journal of environmental biology, vol.37,no.6,pp.1479-1487.
9. Elavarasi Natarajan, Gomathi Priya.P, (2017) Optimization of process parameters for the decolorization of Reactive Blue 235 dye by barium alginate immobilized iron nanoparticles synthesized from aluminum industry waste, Environmental Nanotechnology, Monitoring & Management. 7, pp.73-88.
10. S.Sujatha Devi, P.Lailthambigai, M.Sethu and P.GomathiPriya (2017). Study on the effect of *Artemia Franciscana* on the uptake of Zn (II) and Cu (II) Journal of water chemistry and Technology,39 (1) 40-46.
11. Ajay Kumar Konga, S.M.Anna Purna, Gomathi Priya Ponnaiah,(2017) Soxhlet extraction of *Spirogyra* sp. algae: an alternative fuel, Biofuels, 8 (1),29-35.
12. Induja M sundaram, Sivaprakash KaliMuthu, Gomathi Priya Ponnaiah (2017) Highly active ZnO modified g-C<sub>3</sub> N<sub>4</sub> nano composite for dye degradation under UV and visible light with enhanced stability and antimicrobial activity, Composites communications, 5, 64-71.
13. Induja M sundaram, Sivaprakash KaliMuthu, Gomathi Priya Ponnaiah (2018) Metalfree heterojunction of graphitic carbon nitride composite with superior and stable visible-light active photocatalysis, Materials Chemistry and Physics, 204, 243-250.

14. K. Sivaprakash, M. Induja, P. Gomathi Priya (2018) Facile synthesis of metal free non-toxic Boron Carbon Nitride nano sheets with strong photocatalytic behaviour for degradation of industrial dyes, *Materials Research Bulletin*, 100, 313-321.
15. Subhapriya.S, Gomathi Priya.P (2018) Green synthesis of titanium dioxide (TiO<sub>2</sub>) nanoparticles by *Trigonella foenum-graecum* extract and its antimicrobial properties, *Microbial Pathogenesis* 116, 215-220.
16. Subhapriya.S, Gomathi Priya.P (2018) Surfactant-free bio-synthesised TiO<sub>2</sub> nanorods from *Turbinaria conoides*-a study on photocatalytic and anti-bacterial activity, *Material research express*, 5, 065024.
17. GomathiPriya P, Thenmozhi. M.E, (2018) 'Adsorption of reactive dye using entrapped nZVI, *International Journal of Chemical and molecular engineering*, Vol 12, 6, pp 268-272.
18. G.Arun kumar, P.Gomathi Priya, M.Alagar (2018) 'Functional phenylethynylene side arm poly(arylene ethynylene) conjugated polymers: optical and electrochemical behavior for enrichment of electronic applications' *New Journal Of Chemistry*, 42, 5767-5773.
19. Sivaprakash Kalimuthu, Induja meenakshisundaram, Gomathi Priya Ponnaiiah, karthikeyan Sekar, (2018) Boron carbonnitride sheet/Cu<sub>2</sub>O composite for an efficient photocatalytic hydrogen evolution, *materials Chemistry and Physics*, Vol 219, pp 204-211.
20. Meenakshisundaram Induja, kalimuthu Sivaprakash, Gomathi Priya P, Sekar karthikeyan, (2019) Facile green synthesis and antimicrobial performance of Cu<sub>2</sub>O nanospheres decorated g-C<sub>3</sub>N<sub>4</sub> nano composite, *Materials Research Bulletin*, Vol 112, pp 331-335.
21. Subhapriya.S, Gomathi Priya.P (2018) Zeolite X from coal fly ash inhibits proliferation of human breast cancer cell lines (MCF-7) via induction of S phase arrest and apoptosis *Molecular Biology Reports*, 45, pp 2063-2074.
22. Subhapriya.S, Gomathi Priya.P (2018) Induction of apoptotic effects of antiproliferative zeolite X from coal fly ash on cervical cancer (HeLa) cell lines, *Molecular Biology Reports* 45, pp 1077-1087.
23. Subhapriya.S, Gomathi Priya.P (2018) Synthesis and characterization of zeolite X from coal fly ash: a study on anticancer activity, *Mater. Res. Express* 5, 085401.