

CURRICULUM VITAE OF Dr. P.GOMATHI PRIYA

Name : **P.GOMATHI PRIYA**
 Position : **Professor**
 Year of Experience : 17years
 Education : Ph.D (Chemical Engg), Anna University, INDIA
 M.Tech (Chem. Engg), Anna University, INDIA
 B.Tech (Chem and Electrochem. Engg),Madurai Kamarajar University, INDIA



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Employment Record:

Period	Designation and Address	Nature of Job
Dec 2015 to till date	Professor, Department of Chemical Engineering A.C.Tech Campus, Anna University, Chennai-600 025	Teaching and Research
June 2012 To Dec 2015	Associate Professor, Department of Chemical Engineering A.C.Tech Campus, Anna University, Chennai-600 025	Teaching and Research
Mar 2009 to May 2012	Assistant Professor, Department of Chemical Engineering A.C.Tech Campus, Anna University, Chennai-600 025	Teaching and Research
Aug 2002 to Feb 2009	Assistant Professor, Department of Chemical Engineering A.C.Tech Campus, Anna University, Chennai-600 025	Teaching and Research
Aug 1999 to July 2002	Teacher Trainee Department of Chemical Engineering A.C.Tech Campus, Anna University, Chennai-25	Teaching and Research

Abroad Assignment:

Period	Country Visited	Purpose of visit
June 2018	USA	Presented paper in International Conference on waste Management

Area of Expertise:

Electrochemical Environmental Technology, Effluent treatment, Nano materials

Membership of professional bodies:

Life Member in IICHE

Awards/Honors:**Ongoing Projects:****National /International Collaboration:****International**

Name of Institute	Collaborator	Collaboration

Theses guided:

Ph.D : 2 & 8 (completed & Ongoing) MS/MTech : 43 & 5 (Completed & Ongoing)

PUBLICATIONS

No of Book/Book Chapter written : 1
No of papers published in National journal : 11
No of papers published in International journal : 28

Book Chapter:

Introduction to Energy Engineering (ISBN no 978 -81-932456-8-2) Chapter 5 on 'Utilization of sustainable management in Waste water'

List of papers published

1. **GomathiPriya P.**, Ahmed Basha C., Ramamurthi V, Nathira Begum S. (2009), 'Recovery and Reuse of Ni (II) from Rinsewater of Electroplating Industries', Journal of Hazardous Materials, 169, pp.899-909
2. **GomathiPriya P.**, Saranya S., Ahmed Basha C. and Ramamurthi V. (2009), 'Recovery of Nickel (II) Ions from Electroplating Rinse Water Using Hectorite Clay', Journal of Modern Applied Sciences. Vol. 3, No. 9, 37-51.
3. **GomathiPriya P.**, Ahmed Basha C. and Ramamurthi V. (2010), 'Removal of Ni (II) From Electroplating Rinse Waters Using Cation-exchange Resins: Batch and Column Studies', Int. J. Environmental Engineering, Vol. 2, No. 4, 346-351.
4. **P.GomathiPriya**, V.Ramamurthi, PrabhuAnand,(2011), Degradation studies of tannery effluents using Electro Flotation Technique, Journal of Chemical Engineering & Process Technology, Vol.2, Issue. 1, pp 1-4.
5. **PonnaiahGomathiPriya**, Chiya Ahmed Basha, VeerappanRamamurthi,(2011), Removal of Ni(II) using Cation Exchange Resins in packed Bed Column: Prediction of Breakthrough curves, Clean,Soil,Air,Water, 39(1) pp 88-94.
6. T.G Narayani and **P.GomathiPriya**, (2012), Biogas production through mixed fruit wastes biodegradation, Journal of scientific and Industrial research, Vol. 71, pp217-220.
7. S.P.Prabhakaran, R.Santhosh Kumar, J.Jaganath, B.Naveena, **P.GomathiPriya**, (2012), Biodegradation studies on synthetic phenolic compounds, Advanced Materials Research, Vol.584, pp455-459.

8. S.Sujatha Devi, P.Lailthambigai, M.Sethu and **P.GomathiPriya (2014)**. Studies on the effect of *Artemiafranciscana* on the removal of Cr (III) by bioaccumulation. Poll Res. 33(1): 147-152.
9. S. Sujatha Devi, M. Sethu and **P. GomathiPriya (2014)**. Effect of *Artemiafranciscana* on the removal of nickel by bioaccumulation. Biocontrol Science, Vol.19, (2), 79-84.
10. S. Sujatha Devi, M. Sethu and **P. GomathiPriya (2015)**. Studies on the effect of *ArtemiaFranciscana* on the removal of chromium by bioaccumulation. Indian Journal of Geo-Marine Sciences, Vol 44, no 3, 15-25.
11. S. Sujatha Devi and **P.GomathiPriya (2014)**. Effect of *Artemia* on the reduction of alkali metals from the distillery effluent. Research and Reviews: Journal of Ecology. Vol.3 (1), 15 -19.
12. S.Sujatha Devi, M.Sethu, P.Lailthambigai and **P.GomathiPriya (2014)**. Effect of *Artemia* on the reduction of BOD level of Distillery Effluent – A Short Communication. Research and Reviews: Journal of Ecology. Vol.3 (2) 10-13.
13. **GomathiPriya.P**, Sivamani.S(2014). Extraction of resin from agro industrial waste. Innovare journal of Engineering and technology, vol 2, issue 1, 1-3.
14. Selvaraj sujathaDevi and **Ponnaiah Gomathi Priya (2014)** Bioassay studies on *Artemia* – A Mini Review. Journal of Ecology, Environment and Carbon credits, Vol.4 (2) 14-18.
15. Gomathi Priya.P (2014) Removal and recovery of Zn(II) from electroplating rinse waters using cation –Exchange resins in a Packed column, Emerging trends in Chemical Engineering, Vol 1 (2), 35-46.
16. **Gomathi Priya P** Ajay Kumar Konga (2014) Continuous column study of chromium (VI) adsorption by ion exchange resin. Emerging trends in chemical Engineering. Vol 1. No 2,1-7.
17. 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.
18. 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.
19. Selvaraj sujathaDevi, Mathialagan sethu, Parthasarathy Lalithambigai, **Ponnaiah Gomathi Priya (2015)** Study on the toxicokinetics of Ni(II) on *Artemia franciscana*, Desalination and water treatment, 57 (23) 1-7.

20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. Induja M sundaram, Sivaprakash KaliMuthu, **Gomathi Priya Ponnaiah** (2017) Highly active ZnO modified g-C₃ N₄ nano composite for dye degradation under UV and visible light with enhanced stability and antimicrobial activity, Composites communications, 5, 64-71.
29. Induja M sundaram, Sivaprakash KaliMuthu, **Gomathi Priya Ponnaiah** (2018) Metal-free heterojunction of graphitic carbon nitride composite with superior and stable visible-light active photocatalysis, Materials Chemistry and Physics, 204, 243-250.

30. 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.
31. Subhapriya.S, **Gomathi Priya.P** (2018) Green synthesis of titanium dioxide (TiO₂) nanoparticles by *Trigonella foenum-graecum* extract and its antimicrobial properties, *Microbial Pathogenesis* 116, 215–220.
32. Subhapriya.S, **Gomathi Priya.P** (2018) Surfactant-free bio-synthesised TiO₂ nanorods from *Turbinaria conoides*-a study on photocatalytic and anti-bacterial activity, *Material research express*, 5, 065024.
33. **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.
34. 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.
35. Sivaprakash Kalimuthu, Induja meenakshisundaram, Gomathi Priya Ponnaiah, karthikeyan Sekar, (2018) Boron carbonnitride sheet/Cu₂O composite for an efficient photocatalytic hydrogen evolution, *materials Chemistry and Physics*, Vol 219,pp 204-211.
36. Meenakshisundaram Induja, kalimuthu Sivaprakash, Gomathi Priya P, Sekar karthikeyan, (2019) Facile green synthesis and antimicrobial performance of Cu₂O nanospheres decorated g-C₃N₄ nano composite, *Materials Research Bulletin*, Vol 112, pp 331-335.
37. 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.
38. Subhapriya.S, **Gomathi Priya.P** (2018) Induction of apoptotic effects of anti-proliferative zeolite X from coal fly ash on cervical cancer (HeLa) cell lines, *Molecular Biology Reports* 45, pp 1077–1087.
39. 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.

