

CV

Dr Girija P
Associate professor (HOD)
Dept of Chemistry
S D College
Alappuzha

Academic Credentials:-

- Doctor of Philosophy (Ph. D): Mahatma Gandhi University, India (2015).
- Master of Philosophy (M. Phil): Kerala University, India (1993).
- BEd: Kerala University, India (1992).
- Master of Science (M.Sc.): Mahatma Gandhi University, India (1991),

RESEARCH PAPERS PUBLISHED IN SCOPUS-INDEXED/PEER-REVIEWED JOURNALS

1. **Rohith P.**, Saraswathi S Kumar., & Girija P., *Tetravalent cerium cation imprinted crosslinked acrylamide/alginate copolymer network: A Sorption and Ce(IV) ion-selectivity study from aqueous solutions*. Asian J. Chem.2023/35(7)/pp1603-1610
<https://doi.org/10.14233/ajchem.2023.27887>
2. **Rohith P.**, Girija P., *Synthesis, Characterization, and selectivity study of a Fe(III)- Imprinted Selective Polymer for Effective Ferric Ion Sequestration from Water Sources*. Eur.Chem.Bull.2023,12(10),2326-2337.
doi: [10.48047/ecb/2023.12.10.1602023.03/07/2023](https://doi.org/10.48047/ecb/2023.12.10.1602023.03/07/2023).
3. **Rohith P.**, Saraswathi S. Kumar., & Girija, P. (2023). *Development, Characterization of Non-crosslinked Tetravalent Cerium Ion-Imprinted Polymer Network for the efficient removal of Ce (IV) ions from aqueous solutions and its Antimicrobial Study*. International Journal of Advanced Interdisciplinary Sciences (IJ AIS), 2(1), 1-19. (ISSN: 2583-5734)
4. **Rohith P.**, Girija P(2023)., *Selective Sorption of Divalent Manganese Ion from Real Water Samples Using Mn(II)- Ion Imprinted Sorbent*. Teresian International Journal of Chemical Sciences, 4(3), 25-34(ISSN: 2583-2565)
5. **Girija P**, Beena Mathew, *Synthesis and characterization of Metal Ion Imprinted Alginate Network*, International Journal of Research in Engineering and Science(IJRES), , 2021,9,(12)33-35, ISSN: 2320-9356

6. **Girija P**, Beena Mathew, *Metal ion imprinted alginate network as biosorbent*, Proceedings of UGC sponsored National Seminar on Nanochemistry-Techniques, Advancement and Applications, 2015, 85-89,
7. **Girija P**, Beena Mathew, *Thermal behavior of Pb(II) ion imprinted interpenetrating polymer networks*, Int. J Science and Technoledge, 2015,
8. **Girija P**, Beena Mathew, *Design of copper ion imprinted polymers based on crosslinked 4-vinylpyridine*, Journal of Chemi. Pharma.Res.,2015,72,910-16,
9. **Girija P**, Beena Mathew *Selective removal of transition metal ions from waste water by ion imprinting technology*, Int. J. Chem Tech. Res., 2014,6,2438-455,
Girija P, Beena Mathew
10. **Girija P**, Beena Mathew, *Bioremediation of waste water containing hazardous cadmium ion with ion imprinted interpenetrating polymer networks*, Adv. Env. Chem, 2014,10,
11. **Girija P, Beena Mathe**, *Sorption of trace amounts of Pb(II) ions on an ion imprinted interpenetrating polymer networks based on alginic acid and crosslinked polyacrylamide*, Sep. Sci. Tech, 2014, 49, 1053-61

PAPERS/POSTERS PRESENTED AT NATIONAL/INTERNATIONAL CONFERENCE

1. *“Crosslinked alginate copolymer network for the remediation of hexavalent chromium contaminated water”* at the National Seminar on NMR Spectroscopy organized by the Department of Chemistry, St.Michael’s College Cherthala, Alappuzha, Kerala, India held on 17-19 January 2024.
2. *Sorption of dye, Rhodamine-B, from Contaminated water using a green citric acid crosslinked β -CD-ALG polymer sorbent*, “National Seminar on Functional polymers for Material Applications (Poly-MAT-2023) organized by the PG Department of Polymer Chemistry, Govt.College Attingal, Kerala, India held on 15-17 November 2023.
3. *“Selective adsorption of Ce(IV) ions from aqueous solutions using non-crosslinked tetravalent cerium ion-imprinted polymer network* , “International Conference on Science and Technology of Advanced Materials (STAM 23)organized by Mar Athanasius College (Autonomous) Kothamangalam Kerala India held on April 18-20 ,2023.
4. *“Adsorptive removal of Tetravalent cerium ions from aqueous solutions using Ce(IV) Cation imprinted crosslinked polymer network*, “National Conference on New Developments in Polymeric Materials” organized by SPSIThiruvananthapuram Chapter, Kerala, India held on March 2-3 2023.
5. *“Synthesis, Characterization and Sorption study of Cr(IV) ion-selective non-crosslinked polymer network”* at the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by the Division of Chemistry, SIMATS Engineering, Thandalam, Chennai, Tamil Nadu, Indiaheld on 27-28 February 2023.
6. *“Selective adsorption of Ce(IV) ions from aqueous solution using Tetravalent cerium*

selective IPN gel” National Seminar on recent advances in Photo Chemistry(NSPC-2023) organized by the Department of Chemistry, St.Michael’s college Cherthala, Alappuzha, Kerala, India held on 1-3 February 2023.

7. ***“Synthesis, Characterization and Selectivity studies of V(v)ion-imprinted polymeric gel”***“International Conference on Material science”(ICMS-2023) organized by Bharata Mata College, Thrikkakara, Ernakulam, Kerala, India held on 10th January 2023.
8. ***“Synthesis and Characterization of a novel Ce(IV) ion- imprinted polymer network based on Alginic acid and crosslinked polyacrylamide ”*** “International Conference on Science, Technology, Engineering, and Mathematics(ICSTEM-22) organized by Janson Institute of Technology, Coimbatore, India in association with IFERP held on 28th May 2022.
9. ***Metal ion imprinted alginate network as biosorbent***, UGC sponsored National Seminar on NanoChemistry-Techniques, Advancement and Applications, organized by Department of Chemistry, S D College Alappuzha, held on 16th October 2015