

Full list of publications

In SCI journals:

- L. Ramrakhiani, **S. Ghosh**^{*}, A.K. Mandal, S. Majumdar, *Utilization of multi-metal laden spent biosorbent for removal of glyphosate herbicide from aqueous solution and its mechanism elucidation*, Chemical Engineering Journal (Elsevier) 361 (2019) 1063–1077. (Impact factor: 8.35)
- B. Santra, L. Ramrakhiani, S. Kar, **S. Ghosh**^{*}, S. Majumdar, *Ceramic membrane-based ultrafiltration combined with adsorption by waste derived biochar for textile effluent treatment and management of spent biochar*, Journal of Environmental Health Science and Engineering (Springer) (2020) <https://doi.org/10.1007/s40201-020-00520-w>. (Impact factor: 2.18)
- D. Mukherjee, S. Kar, A. Mandal, **S. Ghosh**^{*}, S. Majumdar, *Immobilization of tannery industrial sludge in ceramic membrane preparation and hydrophobic surface modification for application in atrazine remediation from water*, Journal of the European Ceramic Society (Elsevier) 39 (2019) 3235–3246. (Impact factor: 4.03)
- D. Mukherjee, P. Bhattacharya, A. Jana, S. Bhattacharya, S. Sarkar, **S. Ghosh**^{*}, S. Majumdar, S. Swarnakar, *Synthesis of ceramic ultrafiltration membrane and application in membrane bioreactor process for pesticide remediation from wastewater* Process Safety and Environmental Protection (Elsevier) 116 (2018) 22–33.
- D. Mukherjee, A. Dewanjee, **S. Ghosh**^{*}, S. Majumdar, *Development of graphene oxide/chitosan composite membrane on ceramic support for atrazine remediation by MBR process*, Environmental Science and Pollution Research (Springer), DOI: 10.1007/s11356-018-3255-9 (2018).
- L. Ramrakhiani, **S. Ghosh**^{*}, *Metallic nanoparticle synthesised by biological route: safer candidate for diverse applications*, IET Nanobiotechnology The Institution of Engineering and Technology (2018) doi: 10.1049/iet-nbt.2017.0076
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- L. Ramrakhiani, A. Halder, A. Majumder, A.K. Mandal, S. Majumdar, **S. Ghosh**^{*}, *Industrial waste derived biosorbent for toxic metal remediation: Mechanism studies and spent biosorbent management*, Chemical Engineering Journal 308 (2017) 1048–1064.
- A. Jana, **S. Ghosh**^{*}, S. Majumdar, *Energy efficient harvesting of Arthrospira sp. using ceramic membranes: Analyzing the effect of membrane pore size and incorporation of flocculant as fouling control strategy*, Journal of Chemical Technology and Biotechnology (Wiley), (2017), DOI: 10.1002/jctb.5466.
- P. Roy Choudhury, P. Bhattacharya, **S. Ghosh**, S. Majumdar, S. Saha, G.C. Sahoo, *Removal of Cr(VI) by synthesized titania embedded dead yeast nanocomposite: Optimization and modeling by response surface methodology*, Journal of Environmental Chemical Engineering 5 (2017) 214–221.
- L. Ramrakhiani, A. Halder, A.K. Mandal, S. Majumdar, and **S. Ghosh**^{*}, *Toxic Metal Removal Using Biosorption Process and Inertization of Generated Hazardous Metal-*

Laden Biosorbent, in Utilization and Management of Bioresources, Proceedings of 6th ICONSWM 2016, S.K. Ghosh (ed.), Springer, DOI 10.1007/978-981-10-5349-8_29

- L. Ramrakhiani, **S. Ghosh**^{*}, S. Majumdar, *Surface Modification of Naturally Available Biomass for Enhancement of Heavy Metal Removal Efficiency, Upscaling Prospects, and Management Aspects of Spent Biosorbents: A Review*, Appl Biochem Biotechnol (2016) 180: 41–78.
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- A. Jana, P. Bhattacharya, S. Swarnakar, S. Majumdar, **S. Ghosh**^{*}, *Anabaena sp. mediated bio-oxidation of arsenite to arsenate in synthetic arsenic (III) solution: Process optimization by response surface methodology*. Chemosphere (Elsevier), (2015) doi: 10.1016/j.chemosphere.2015.07.055. Vol 138, Pages 682–690.
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