

List of Publications

Janani, V. A., Perera, A. & Saravanan, S (2019). A cost-efficient charcoal-based adsorbent for waste water treatment and dye removal. <i>Int. J. Eng. Adv. Technol.</i> 9 , 759–765.
Janani, V. A., Saravanan, S., Rajesh, S., Sivakumar, P. & Anirbid, S (2019). Batch and column studies on the removal of methyl orange by acalypha indica biomass using gravitational search algorithm as an optimization tool. <i>Desalin. Water Treat.</i> 147 , 385–397.
Raja, N., Ganapathy, V., Krishnan, V. & Veeraraghavan, A. J. (2019) Biosynthesis of zinc oxide nanoparticles from plectranthus amboinicus and its photocatalytic effect on wastewater treatment. <i>Int. J. Recent Technol. Eng.</i> 8 , 660–663.
Janani, V. A., Saravanan, S. & Subburaj, T (2019). Free and immobilization study of biosorption of Nickel Ion using Schizosaccharomyces pombe. <i>Eco. Env. Cons.</i> 25 , 276–282.
Kumar, P. S, Subburaj, Karuppasamy, K, Kathalingam, A, Vikraman, D, Park H. C, & Kim H. S (2021). Elucidation of the influence of operating temperature in LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ /silicon and LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ /graphite pouch cells batteries cycle-life degradation. <i>J. Energy Storage</i> 41 , 102989
Kumar, P.S, Subburaj, T., Karuppasamy, K, Kathalingam, A, Vikraman, D, Park H. C, & Kim H. S (2021). Potential core-shell anode material for rechargeable lithium-ion batteries: Encapsulation of titanium oxide nanostructure in conductive polymer. <i>J. Alloys Compd.</i> 882 , 160715.
Santhoshkumar, P., Subburaj, T., Karuppasamy, K, Kathalingam, A, Vikraman, D, Park H. C, & Kim H. S (2021). Elucidation of cube-like red iron oxide @ carbon nanofiber composite as an anode material for high performance lithium-ion storage. <i>J. Ind. Eng. Chem.</i> 104 , 22–31 (2021).
Kumar, R. V, Janani, V. A., Subramanian, D, Mistry, C. R, Devaraj, G, & Sivakumar, P (2021). Equilibrium, kinetic and thermodynamic studies for the removal of Reactive Red dye 120 using Hydrilla verticillata biomass: A batch and column study. <i>Environ. Technol. Innov.</i> 24 , 102009.
Sivapragasam, C., Janani, V. A., Andappan, A., Archana, B., Vasudevan, M & Natarajan, N (2021). Real-time monitoring as an adaptive strategy towards green treatment of textile effluent using biosorbent from Acalypha indica. <i>Water Sci. Technol. Water Supply</i> 21 , 2019–2034.
Janani, V. A., Sharma N. K, Hariram, N., Vishnuvarthanan, G, Jebitta, S. R., Arunprasath, T., Chitradevi, K., & Asraf, S. S. (2021). Outcome based project for betterment of rural community. <i>J. Eng. Educ. Transform.</i> 34 , 263–270.
Gokul D, Varatharajan G R, Aruna J. V, Karthikeyan E, Keerthana. M. (2021). CFD Heat Transfer Analysis for Customized Geometrics to Cool Industrial Equipments The heat generated by a mechanical or electronic device is transferred by a cold fluid convected to the surrounding by means of forced convection . Computational Fluid geom. <i>PENSEE</i> 51 , 726–730 (2021).
Singh, R., Volli, V., Lohani, L. & Purkait, M. K (2021). Polymeric ultrafiltration membranes modified with fly ash based carbon nanotubes for thermal stability and protein separation. <i>Case Stud. Chem. Environ. Eng.</i> 4 , 100155
Sorptive elimination of fluoride from contaminated groundwater in a fixed bed column: A kinetic model validation based study B Bishayee, B Ruj, S Nandi, RP Chatterjee, A Mallick, P Chakraborty <i>Journal of the Indian Chemical Society</i> 99 (1), 100302

<p>Chemical stabilization of oil by elastomizers S Chakrabortty, J Nayak, P Chakraborty Advances in Oil-Water Separation, 233-248</p>
<p>Application of Electrospun Polymeric Nanofibrous Membranes for Water Treatment S Chakrabortty, J Nayak, P Chakraborty Industrial Wastewater Treatment, 75-100</p>
<p>Photo (Catalytic) Oxidation Processes for the Removal of Dye: Focusing on TiO Performance J Nayak Advanced Oxidation Processes in Dye-Containing Wastewater, 75-90</p>
<p>Strategic management of nitrate pollution from contaminated water using viable adsorbents: An economic assessment-based review with possible policy suggestions B Bishayee, RP Chatterjee, B Ruj, S Chakrabortty, J Nayak Journal of environmental management 303, 114081</p>
<p>An economical strategy towards the managing of selenium pollution from contaminated water: A current state-of-the-art review B Ruj, B Bishayee, RP Chatterjee, A Mukherjee, A Saha, J Nayak, ... Journal of Environmental Management 304, 114143</p>