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List of publications for the last five years

1. V Manimozhi, **R Saravanathamizhan**, E Sivakumar, V Jaisankar Adsorption Study of Heavy Metals Removal from Wastewater Using PVA- Nano Ferrite Composites, International Journal of Nanoscience and Nanotechnology 16 (3), 189-200, 2020.

2. ES Nivetha, **R Saravanathamizhan**, Recovery of nickel from spent NiCd batteries by regular and ultrasonic leaching followed by electrodeposition, Journal of Electrochemical Science and Engineering 10 (1), 41-47, 2020.

3. T Pitchai, R Babu, **R Saravanathamizhan**, I Kuttalam, Thermogravimetric and Kinetic Study of Pyrolysis of Corn Cob Biomass, Journal of Renewable Energy and Environment 6 (4), 35-40, 2019.

4. RA Raj, V Manimozhi**, R Saravanathamizhan**, Adsorption studies on removal of Congo red dye from aqueous solution using petroleum coke, Petroleum Science and Technology 37 (8), 913-924, 2019.

5. VS Harshini Priyaa, **R Saravanathamizhan**, N Balasubramanian, Preparation of Biomass Based Carbon for Electrochemical Energy Storage Application, Journal of Electrochemical Science and Technology 10 (2), 159-169, 2019.

6. G. Yesaswini, **R Saravanathamizhan**, Wastewater Minimization of Starch Industry using Water Pinch Analysis and Comparison with Water Design Software, International Journal of Scientific Research in Science, Engineering and Technology, 2018, 4, 659-663.

7. B. Maheshwari, **R.Saravanathamizhan** N. Balasubramanian ,Butter Separation from Cream Using Ultrasonication: Optimization Of Parameters Using RSM, Journal of Food Biosciences and Technology, 2018, 8 1-10.

8. Dhivya Kumar, Chithra Kumaran, **R.Saravanathamizhan** Heavy metal removal using modified Tungsten oxide fly ash, Water Conservation Science and Engineering., 2018, 3,181–189.

9. K.Sathya, **R.Saravanathamizhan**, G.Baskar, ANN Modeling for scale up of green synthesis of iron oxide nano particle and its application for decolorization of dye effluent, Desalination Water Treatment, 2018, 121,158-165.

10. K.Sathya, **R.Saravanathamizhan**, G.Baskar, Green Synthesized Iron and Iron Based Nanoparticle in Environmental and Biomedical Application – A Review, IET Nanobiotechnology, 2018,12, 1003-1008

11. K Sathya, **R Saravanathamizhan**, G Baskar, Ultrasonic assisted green synthesis of Fe and Fe/Zn bimetallic nanoparticles for invitro cytotoxicity study against HeLa cancer cell line, Molecular biology reports, 2018, 45, 1397-1404

12. V.Vijayakumar, **R.Saravanathamizhan**, N.Balasubramanian Modeling of Tubular Electrochemical Reactor for dye removal, Journal of Engineering Science and Technology, 2017,12,1506-1513

13. K.Sathya, **R.Saravanathamizhan**, G.Baskar, Ultrasound assisted phytosynthesis of iron oxide nanoparticle, Ultrasonics sonochemistry, 2017,39,446-451.

14. V. Mathivanan, S. Geetha Manjari, R. Ineya, **R.Saravanathamizhan** P. Senthil Kumar, K. Ramakrishnan, Enhanced photocatalytic decolorization of reactive red by sonocatalysis using TiO_2 catalyst: factorial design of experiments, Desalination water treatment, 2016, 57, 7120-7129

15. V.Vijayakumar, **R.Saravanathamizhan**, N.Balasubramanian Electro oxidation of dye effluent in a Tubular electrochemical Reactor using TiO_2/RuO_2 anode, Journal of Water Process Engineering, 2016 , 9, 155-160

16. R.Balakumara, K.Sathya, **R.Saravanathamizhan**, Decolorization of methylene blue dye using sonocatalytic followed by photocatalytic process, Water conservation science and Engineering, 2016, 1,161-166.