Dr.C.Karthikeyan
Professor and Head
Department of Chemical Engineering - FEAT
Annamalai University
Annamalainagar – 608002
E. mail: drcktech@rediffmail.com
Phone no.: +91-04144-239737
Mobile: +91-9865356561

PUBLICATION IN LAST FIVE YEARS

1. Column studies on sorption of Cr (VI) from aqueous and electroplating wastewater using acid-treated marine brown algae *Sargassummyriocystum*, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects
   Jayakumar R, Rajasimman M & **Karthikeyan C (2019)**
2. Partitioning of crude protein from aqua waste using PEG 600-inorganic salt Aqueous Two-Phase Systems
   D Baskaran, **K Chinnappan**, R Manivasagan, DK Mahadevan
   Chemical Data Collections 15, 143-152 **(2018)**
3. Isotherm and kinetic studies on adsorption of malachite green using chemically synthesized silver nanoparticles
   AMK Pandian, **C Karthikeyan**, M Rajasimman
   Nanotechnology for Environmental Engineering 2 (1), 2 **(2017)**
4. Liquid–Liquid Equilibrium of Polymer–Inorganic Salt Aqueous Two-Phase Systems: Experimental Determination and Correlation
   D Baskaran, **K Chinnappan**, R Manivasagan, R Selvaraj
   Journal of Chemical & Engineering Data 62 (2), 738-743 **(2017)**

5. Isotherm and kinetic studies on nano-sorption of Malachite Green onto Allium sativum mediated synthesis of silver nano particles
   AMK Pandian, **C Karthikeyan**, M Rajasimman
   Biocatalysis and Agricultural Biotechnology 8, 171-181 **(2016)**
6. Isotherm and kinetic studies on nano-sorption of malachite green onto Aspergillus flavus mediated synthesis of silver nano particles
   AMK Pandian, **C Karthikeyan**, M Rajasimman
   Environmental Nanotechnology, Monitoring & Management 6, 139-151 **(2016)**
7. Optimization, equilibrium, kinetic, thermodynamic and desorption studies on the sorption of Cu (II) from an aqueous solution using marine green algae: Halimeda gracilis
   R Jayakumar, M Rajasimman, **C Karthikeyan**
   Ecotoxicology and environmental safety 121, 199-210 **(2015)**
8. Synthesis of silver nanoparticle and its application
   AMK Pandian, **C Karthikeyan**, M Rajasimman, MG Dinesh
   Ecotoxicology and environmental safety 121, 211-217 **(2015)**
9. Sorption and desorption of hexavalent chromium using a novel brown marine algae Sargassum myriocystum
   R Jayakumar, M Rajasimman, **C Karthikeyan**
   Korean Journal of Chemical Engineering 32 (10), 2031-2046 **(2015)**
10. Sorption of hexavalent chromium from aqueous solution using marine green algae Halimeda gracilis: Optimization, equilibrium, kinetic, thermodynamic and desorption studies
    R Jayakumar, M Rajasimman, **C Karthikeyan**
    Journal of Environmental Chemical Engineering 2 (3), 1261-1274 **(2014)**
11. Performance of SBR for the treatment of textile dye wastewater: Optimization and kinetic studies
    S Sathian, M Rajasimman, G Radha, V Shanmugapriya, **C Karthikeyan**

Alexandria Engineering Journal 53 (2), 417-426 **(2014)**

12. Performance evaluation of SBR for the treatment of dyeing wastewater by simultaneous biological and adsorption processes
    S Sathian, M Rajasimman, CS Rathnasabapathy, **C Karthikeyan**
    Journal of Water Process Engineering 4, 82-90 **(2014)**
13. Nitrification of Fish Processing Waste Water using Mixed Cultures of Nitrosomonas and Nitrobactor for Ammonia Degradation (Phase-I)
    V Selvi, M Sathiyamoorthy, **C Karthikeyan**
    IEEE Trans. Nucl. Sci. 58 (4), 1596-1605 **(2014)**
14. Optimization studies on the Sorption of Cu (II) from aqueous solution using marine brown algae: Sargassum myriocystum
    R Jayakumar, M Rajasimman, **C Karthikeyan**
    International Journal of ChemTech Research 6 (10), 4525-4532 **(2014)**