

Dr. M. Shanmugaparakash

Assistant professor (SrG),

Department of Biotechnology,

Kumaraguru College of Technology, Coimbatore.

Contact: 0422-2669401

Email: Shanmugaparakash.m.bt@kct.ac.in**PUBLICATION IN LAST FIVE YEARS**

S. No.	Title, Authors and Journal	Year
1.	Biosorptive removal of Zn (II) ions by Pongamia oil cake (Pongamia pinnata) in batch and fixed-bed column studies using response surface methodology and artificial neural network. Shanmugaparakash, M. , Venkatachalam, S., Rajendran, K., & Pugazhendhi Journal of environmental management, 227, 216-228	2018
2.	Pectin extraction from Helianthus annuus (sunflower) heads using RSM and ANN modelling by a genetic algorithm approach Muthusamy Shanmugaparakash , Lakshmi Priya Manickam, Venkateshprabhu Murugan, Muthukumaran Chendrasekar, and Arivalagan Pugazhendhi. International journal of biological macromolecules	2018
3.	Carboxymethylation of pectin: Optimization, characterization and in-vitro drug release studies. Muthukumaran, C., Kanmani, B. R., Sharmila, G., Kumar, M., & Shanmugaparakash, M. Carbohydrate Polymers, 194, 311-318.	2018
4.	"Evaluation of the potential of cassava-based residues for biofuels production. Sivamani, Selvaraju, Arun Pandian Chandrasekaran, Muthusamy Balajii, Muthusamy Shanmugaparakash , Ahmad Hosseini-Bandegharai, and Rajoo Baskar Reviews in Environmental Science and Bio/Technology, 1-18	2018
5.	Optimization of sugar recovery efficiency using microwave assisted alkaline pretreatment of cassava stem using response surface methodology and its structural characterization Kamalini, A., Shanmugaparakash Muthusamy , R. Ramapriya, Balajii Muthusamy, and Arivalagan Pugazhendhi Journal of Molecular Liquids, 55-63	2018
6.	Biochemical characterization of three phase partitioned naringinase from Aspergillus brasiliensis MTCC 1344 M. Shanmugaparakasha , V. Vinothkumar, J. Ragupathya, D. Amala Reddy International Journal of Biological Macromolecules, 80,418-423	2015
7.	Modeling and optimization by response surface methodology and neural network–genetic algorithm for decolorization of real textile dye effluent using Pleurotus ostreatus: a comparison study M. Venkatesh Prabhua, R. Karthikeyanb & M. Shanmugaparakash Desalination and Water Treatment, (1-201515). doi: 10.1080/19443994.2015.1059372	2015
8.	Biochemical characterization and antitumor activity of three phase partitioned L-asparaginase from Capsicum annuum L. Shanmugaparakash, M. , Jayashree, C., Vinothkumar, V., Senthilkumar, S. N. S., Sahabjada, S., Rawat, V., & Arshad, M. Separation and Purification Technology, 142,258-267	2015

9.	Competitive biosorption of Cr (vi) and Zn (ii) ions in single-and binary-metal systems onto a biodiesel waste residue using batch and fixed-bed column studies. Muthusamy Shanmugaprakash , and Sivakumar Venkatachalam RSC Advances, 57, 45817-45826	2015
10.	Development of a New Cr (VI)-biosorbent from Agricultural Waste: Adsorption Characteristics and the Kinetics M Shanmugaprakash , V Sivakumar, K Babukannan, Sen Biswarup Journal of the Chinese Chemical Society, 61,797-802	2014
11.	Batch and dynamics modeling of the biosorption of Cr (VI) from aqueous solutions by solid biomass waste from the biodiesel production Muthusamy Shanmugaprakash , Venkatachalam Sivakumar, Manickavelu Manimaran, Jeyaseelan Aravind Environmental Progress & Sustainable Energy 33(2),342-352	2014
12.	Statistical based media optimization and production of naringinase using <i>Aspergillus brasiliensis</i> 1344 M Shanmugaprakash , J Kirthika, J Ragupathy, K Nilanee, A Manickam International journal of biological macromolecules, 64,443-452	2014
13.	Biosorption of Cr (VI) and Zn (II) ions from aqueous solution onto the solid biodiesel waste residue: mechanistic, kinetic and thermodynamic studies Shanmugaprakash Muthusamy , Sivakumar Venkatachalam, Prasana Manikanda Kartick Jeevamani, Nandusha Rajarathinam Environmental Science and Pollution Research, 21(1),593-608	2014
14.	Development of experimental design approach and ANN-based models for determination of Cr (VI) ions uptake rate from aqueous solution onto the solid biodiesel waste residue M Shanmugaprakash , V Sivakumar Bioresource technology, 148, 550-559	2014