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**PUBLICATION IN LAST FIVE YEARS**

S. No.	Title, Authors and Journal	Year
1.	Pectin extraction from Helianthus annuus (sunflower) heads using RSM and ANN modelling by a genetic algorithm approach <b>S Muthusamy</b> , LP Manickam, V Murugesan, C Muthukumaran, A Pugazhendhi International journal of biological macromolecules 124, 750-758	2019
2.	Research on Biological Properties of Ruthenium (III) Heterocyclic Schiff Base Complexes K Sampath, S Sathiyaraj, P Indhumathi, <b>M Shanmugaprakash</b> International Journal of Innovative Technology and Exploring Engineering (IJITEE).	2019
3.	A systematic reconsideration on proteases P Gurumalles, K Alagu, B Ramakrishnan, <b>S Muthusamy</b> International journal of biological macromolecules 128, 254-267	2019
4.	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. <b>Shanmugaprakash, M.</b> , Venkatachalam, S., Rajendran, K., & Pugazhendhi Journal of environmental management, 227, 216-228	2018
5.	Pectin extraction from Helianthus annuus (sunflower) heads using RSM and ANN modelling by a genetic algorithm approach <b>Muthusamy Shanmugaprakash</b> , Lakshmi Priya Manickam, Venkateshprabhu Murugan, Muthukumaran Chendrasekar, and Arivalagan Pugazhendhi. International journal of biological macromolecules	2018
6.	Carboxymethylation of pectin: Optimization, characterization and in-vitro drug release studies. Muthukumaran, C., Kanmani, B. R., Sharmila, G., Kumar, M., & <b>Shanmugaprakash, M.</b> Carbohydrate Polymers, 194, 311-318.	2018
7.	Evaluation of the potential of cassava-based residues for biofuels production. Sivamani, Selvaraju, Arun Pandian Chandrasekaran, Muthusamy Balajii,	2018

	<b>Muthusamy Shanmugaprakash</b> , Ahmad Hosseini-Bandegharaei, and Rajoo Baskar Reviews in Environmental Science and Bio/Technology, 1-18	
8.	Optimization of sugar recovery efficiency using microwave assisted alkaline pretreatment of cassava stem using response surface methodology and its structural characterization Kamalini, A., <b>Shanmugaprakash Muthusamy</b> , R. Ramapriya, Balajii Muthusamy, and Arivalagan Pugazhendhi Journal of Molecular Liquids, 55-63	2018
9.	Modelling and optimization by response surface methodology and neural network genetic algorithm for decolorization of real textile dye effluent using <i>Pleurotus ostreatus</i> : a comparison study. M Venkatesh Prabhu, R Karthikeyan, <b>M Shanmugaprakash</b> Desalination and water treatment 57 (28), 13005-13019	2016
10.	Optimization of Microwave Assisted Extraction of Pectin from <i>Helianthus annuus</i> Head Using Response Surface Methodology BK Aarthi, V Aswini, ML Priya, M Nirosha, <b>M Shanmugaprakash</b> Biotechnology and Biochemical Engineering, 35-45	2016
11.	Batch and fixed-bed column studies for biosorption of Zn(II) ions onto <i>pongamia</i> oil cake ( <i>Pongamia pinnata</i> ) from biodiesel oil extraction <b>M Shanmugaprakash</b> , V Sivakumar Journal of environmental management 164, 161-170	2015
12.	Biochemical characterization and antitumor activity of three phase partitioned L-asparaginase from Capsicum annuum L. <b>M Shanmugaprakash</b> , C Jayashree, V Vinothkumar, SNS Senthilkumar, S Siddiqui, V Rawat, M Arshad Separation and Purification Technology 142, 258-267	2015
13.	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 <b>Shanmugaprakash M</b> , S Venkatachalam RSC Advances 5 (57), 45817-45826	2015
14.	Biochemical characterization of three phase partitioned naringinase from <i>Aspergillus brasiliensis</i> MTCC 1344 <b>M Shanmugaprakash</b> , V Vinothkumar, J Ragupathy, DA Reddy International journal of biological macromolecules 80, 418-423	2015