

### **PANEL OF EXPERT:6**

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<b>Designation</b>	<b>: Associate Professor</b>	<b>No. of Publication (for last five years)</b>	<b>: 24</b>
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#### **List of publication for last five years**

1. De S, S Mishra, E Poonguzhali, M Rajesh, K Tamilarasan, Fractionation and characterization of lignin from waste rice straw: Biomass surface chemical composition analysis. International journal of biological macromolecules. (Article in press) 2019 (IF 4.7)
2. Gunasekaran V, S Ramesh, K Sathiasivan, M Shankar, M Rajesh, K Tamilarasan, Simultaneous organosolv pretreatment and detoxification of agro-biomass for efficient lignin extraction and characterization. Chemical papers. 2019 (IF 1.5)
3. Shankar M, PK Chhotaray, R.L.Gardas, K Tamilarasan, M Rajeash, Application of carboxylate protic ionic liquids in simultaneous microalgal pretreatment and lipid recovery from marine Nannochloropsis sp. and chlorella sp. Biomass and Bioenergy. 123, 14-24, 2019. (IF 4.0)
4. Elango RK, K Sathiasivan, C Muthukumaran, V Thangavelu, M Rajesh, K Tamilarasan, Transesterification of castor oil for biodiesel production: Process optimization and characterization. Microchemical Journal. 145, 1162-1168, 2019. (IF-3.0)
5. Kumar N, S Vijayashankar, P Pasupathi, S Nirmal kumar, E Poonnguzhali, M Rajesh, K Tamilarasan, Optimal extraction, sequential fractionation and structural characterization of soda lignin. Research on Chemical Intermediate. 44, 5403-5413, 2018. (IF-2.0)
6. Manoj Kumar N, E Selvarajan, K Tamilarasan, M Rajesh, Purification, biochemical, and thermal properties of fibrinolytic enzyme secreted by Bacillus cereus SRM-001. Preparative Biochemistry and Biotechnology. 48, 34, 2017. (IF-1.36)

7. Praveenkumar J, C Muthukumaran, K Tamilarasan, A sequential pretreatment of lignocelluloses in bamboo biomass to fermentable sugars by acid/enzymatic hydrolysis. 3Biotech. 7, 260, 2017. (IF-1.7)
8. Felicia K R, C Muthukumaran, G Sharmila, N Manojkumar, K Tamilarasan, R Jaiganesh, Xanthan gum production using jackfruit-seed-powder-based medium: optimization and characterization. 3 Biotech. 7, 248, 2017. (IF-1.7)
9. Mukund S, K.C Pratap, A Ayushi, L.G Ramesh, K Tamilarasan, M Rajesh, Protic Ionic Liquid-Assisted Cell Disruption and Lipid Extraction from Fresh Water Chlorella and Chlorococcum Microalgae. Algal Research. 25, 228-236, 2017. (IF-4.4)
10. Baskar G, A Gurugulladevi, T Nishanthini, R Aiswarya, K Tamilarasan, Optimization and kinetics of biodiesel production from Mahua oil using manganese doped zinc oxide nanocatalyst. Renewable Energy. 103, 641-646, 2017. (IF-5.2)
11. Maria S, J Manisha, P Radha, S Kiruthika, K Tamilarasan, Immobilized lipase catalyzing glucose stearate synthesis and their surfactant properties analysis. 3 Biotech. 6, 184, 2016. (IF-1.7)
12. Manisha J, S Mariya, P Radha, S Kiruthika, C Muthukumaran, K Tamilarasan, Synthesis, characterization and kinetic analysis of chitosan coated magnetic nanobiocatalyst and its application on glucose oleate ester synthesis. Journal of Molecular Catalysis B: Enzymatic. 128, 1-9, 2016. (IF-2.62)
13. Padmanaban S, N Balaji, C Muthukumaran, K Tamilarasan, Statistical optimization of process parameters for exopolysaccharide production by Aureobasidium pullulans using sweet potato based medium. 3 Biotech. 5, 1067-1073, 2015. (IF-1.7)
14. Manisha J, S Mariya, G Sharmila, C Muthukumaran, G Baskar, K Tamilarasan, Fabrication of a Chitosan-Coated Magnetic Nano biocatalyst for Starch Hydrolysis. Chemical Engineering and Technology. 38, 1444-1451, 2015. (IF-2.4).
15. Sasidharan S, G Sharmila, C Muthukumaran, K Tamilarasan, M Gopinath, Statistical optimization of critical medium components for biosurfactant production by Bacillus subtilis. Journal of Bioscience and Biotechnology. 4. 123-129, 2015.
16. Praveenkumar J, C Muthukumaran, K Tamilarasan. A sequential pretreatment of lignocelluloses in bamboo biomass to fermentable sugars by acid/enzymatic hydrolysis. 3 Biotech. 7, 260, 2017. (IF-1.36)

17. Felicia Katherine R, C Muthukumaran, G Sharmila, N Manoj Kumar, K Tamilarasan, R Jaiganesh. Xanthan gum production using jackfruit-seed-powder-based medium: optimization and characterization. 3 Biotech. 7, 248, 2017. (IF-1.36)
18. Mukund S, K Tamilarasan, M Rajesh. Protic Ionic Liquid-Assisted Cell Disruption and Lipid Extraction from Fresh Water Chlorella and Chlorococcum Microalgae. Algal Research. 25, 228-236, 2017. (IF-3.99)
19. Baskar G, A Gurugulladevi, T Nishanthini, R Aiswarya, K Tamilarasan. Optimization and kinetics of biodiesel production from Mahua oil using manganese-doped zinc oxide nanocatalyst. Renewable Energy. 103, 641-646, 2017. (IF-4.35)
20. Maria S, J Manisha, P Radha, S Kiruthika, K Tamilarasan. Immobilized lipase catalyzing glucose stearate synthesis and their surfactant properties analysis. 3 Biotech. 6, 184, 2016. (IF-1.36)
21. Manisha J, S Mariya, P Radha, S Kiruthika, C Muthukumaran, K Tamilarasan. Synthesis, characterization and kinetic analysis of chitosan-coated magnetic nanobiocatalyst and its application on glucose oleate ester synthesis. Journal of Molecular Catalysis B: Enzymatic. 128, 1-9, 2016. (IF-2.62).
22. Manisha J, S Mariya, G Sharmila, C Muthukumaran, G Baskar, K Tamilarasan. Fabrication of a Chitosan-Coated Magnetic Nanobiocatalyst for Starch Hydrolysis. Chemical Engineering and Technology. 38, 1444-1451, 2015. (IF-2.05)
23. Padmanaban S, N Balaji, C Muthukumaran, K Tamilarasan. Statistical optimization of process parameters for exopolysaccharide production by Aureobasidium pullulans using a sweet potato based medium. 3 Biotech. 5, 1067-1073, 2015. (IF-1.36)
24. Satheeshkumar S, G Sharmila, C Muthukumaran, K Tamilarasan, M Gopinath. Statistical optimization of critical medium components for biosurfactant production by Bacillus subtilis. Journal of BioScience and Biotechnology. 4, 123-129, 2015.