

List of Publications

1. M.Vikneshan, R.Saravanakumar, S.Rajeshkumar, S.R.Samuel, M.Suganya, **G.Baskar**, Algal biomass as a source for novel oral nano-antimicrobial agent, *Saudi Journal of Biological Sciences*, vol.27, 3753-3758(2020).
2. R. Naveenkumar, **G. Baskar**, Optimization and techno-economic analysis of biodiesel production from *Calophyllum inophyllum* oil using heterogeneous nanocatalyst, *Bioresource Technology*, 315 (2020) 123852.
3. K. Gengiah, G.L.P. Moses, **G. Baskar**, Bioethanol production from *Codium tomentosum* residue, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-10(2020).
4. Aiswarya R, **Baskar G**, Naveenkumar R, Sunita Varjani, Edgard Gnansounou, Ashok Pandey, Simming You, Jegannathan Kenthorai Raman, Praveenkumar Ramanujam, Sunita Varjani, Contemporary approaches towards augmentation of distinctive heterogeneous catalyst for sustainable biodiesel production, *Environmental Technology & Innovation*, Vol. 19 (2020) 100906.
5. **G. Baskar**, N. Supria Sree, Synthesis, Anticancer activity of gelatin-asparaginase nanobiocomposite against cervical and brain cancer cell lines, **Journal of Drug Delivery Science and Technology**, Vol 55 (2020) 101689.
6. J. Iyyappan, **G. Baskar**, B. Bharathiraja, M. Gopinath, Enhanced malic acid production using *Aspergillus niger* coupled with in situ product recovery, **Bioresource Technology**, Vol. 308 (2020) 123259.
7. B. Nataraj, **G. Baskar**, S. Krishna Mohan, Application of proteomic approach for identification of functional mutant sites to improve binding affinity of anti-cancer biologic Trastuzumab with its antigen human epidermal growth factor receptor 2, **Journal of Molecular Recognition**, Vol. 32 (2020) e2818.
8. **G. Baskar**, N. Supria Sree, Synthesis, Characterization and Anticancer Activity of β -Cyclodextrin-Asparaginase Nanobiocomposite on Prostate and Lymphoma Cancer Cells, **Journal of Drug Delivery Science and Technology**, Vol. 55 (2020) 101417.
9. R. Naveenkumar, **G. Baskar**, Ultrasonic Assisted Extraction of Oil from Castor Seeds: Optimization using Response Surface Methodology, Extraction Kinetics and Characterization, *Energy Sources Part A: Recovery, Utilization, and Environmental Effects*, 2019.
10. Elsa Cherian, D. Yazhini, Merlin Victor, **G. Baskar**, Production of biodiesel from pork fat using alumina-doped calcium oxide nanocomposite as heterogeneous catalyst, *Energy Sources Part A: Recovery, Utilization, and Environmental Effects*, 2019.
11. A. Mahalakshmi, **G. Baskar**, Green synthesis and characterization of cadmium-tellurium quantum dots using pomelo peel aqueous extract, *Journal of Electronic Materials*, Vol. 48 (2019) 5975–5979.
12. S. Sivarathnakumar, J. Jayamuthunagai, **G. Baskar**, R. Praveenkumar, I. Aberna Ebenezer Selvakumari, B. Bharathiraja, Bioethanol production from woody stem *Prosopis juliflora* using thermotolerant yeast *Kluyveromyces marxianus* and its kinetics studies, *Bioresource Technology* Vol. 293 (2019) 122060.
13. Sathendra ER, **G. Baskar**, R. Praveenkumar, Production of bioethanol from lignocellulosic banana peduncle waste using *Kluyveromyces marxianus*, **Journal of Environmental Biology**, Vol. 40 (2019) 769-774.

14. J. Iyyappan, **G. Baskar**, Edgard Gnansounou, Ashok Pandey, Jeganathan Kenthorai Raaman, B. Bharathiraja, R. Praveenkumar, Recent advances in microbial production of malic acid from renewable byproducts, **Reviews in Environmental Science and Biotechnology**, Vol. 18 (2019) 579-595.
15. J. Iyyappan, B. Bharathiraja, **G. Baskar**, E. Kamalanaban, Process optimization and kinetic analysis of malic acid production from crude glycerol using *Aspergillus niger*, **Bioresource Technology**, Vol. 281 (2019) 18-25.
16. R. Naveenkumar, **G. Baskar**, Optimization and kinetics of biodiesel production from *Calophyllum inophyllum* oil using zinc doped calcium oxide (plaster of paris) nanocatalyst, **Bioresource Technology**, Vol. 280 (2019) 493-496.
17. G. Kalavathy, **G. Baskar**, Synergism of clay with zinc oxide as nanocatalyst for production of biodiesel from marine *Ulva lactuca*, **Bioresource Technology**, Vol. 281 (2019) 234-238.
18. E. Raja Sathendra, **G. Baskar**, R. Praveenkumar, Edgard Gnansounou, Bioethanol Production from Palm wood using *Trichoderma reesei* and *Kluveromyces marxianus*, **Bioresource Technology**, Vol. 271 (2019) 345-352.
19. 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 and Water Treatment**, Vol. 121 (2018) 158-165.
20. J. Iyyappan, **G. Baskar**, B. Bharathiraja, R. Saravanathamizhan, Malic acid production from biodiesel derived crude glycerol using morphologically controlled *Aspergillus niger* in batch fermentation, **Bioresource Technology**, Vol. 269 (2018) 393-399.
21. **G. Baskar**, R. Naveenkumar, N. Mohanapriya, S. Roselin Nivetha, R. Aiswarya, Optimization and kinetics of Biooil Extraction from *Madhuca indica* seeds, **Industrial Crops and Products**, Vol. 124 (2018) 954-959.
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24. S. Swaminathan, A. Muthumanickam, **G. Baskar**, N. M. Imayathamizhan, Removal of methylene blue using Polyacrylonitrile yarn waste/Carboxylic group Functionalized Multiwall Carbon nanotube Nanofibrous composite, **Desalination and Water Treatment**, Vol. 113 (2018) 244-253.
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26. V. Theresa, K. Ramachandran, **G. Baskar**, S. Renganathan, A Novel approach for extraction of algal oil from marine macroalgae *Ulva fasciata*, **Renewable Energy**, Vol. 127, (2018) 64-73.
27. R. Aiswarya, **G. Baskar**, Acrylamide mitigation in fried *Kochchi kesel* chips using free and immobilized fungal asparaginase, **Food Technology and Biotechnology**, Vol. 56, No. 1 (2018) 49-55.
28. **G. Baskar**, B. G. Garrick, K. Lalitha, M. Chamundeeswari, Gold nanoparticle mediated delivery of fungal asparaginase against cancer cells, **Journal of Drug Delivery Science and Technology**, Vol. 44, (2018) 498-504.

29. B. Bharathiraja, J. Iyyappan, R. Praveenkumar, **G. Baskar**, Significant Contribution In Biotechnology By The Indian Scientist Professor Ashok Pandey-An Scientometric Analysis. **International Journal of Recent Scientific Research**, Vol. 9, No. 2, (2018) 23774-23780.
30. J. Iyyappan, B. Bharathiraja, **G. Baskar**, J. Jayamuthunagai, S. Barathkumar, R. Annashiny, Malic acid production using chemically induced *Aspergillus niger* MTCC 281 mutant from crude glycerol, **Bioresource Technology**, Vol. 251, (2018) 264-267.
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35. S. Sivarathnakumar, **G. Baskar**, R. Praveen Kumar, B. Bharathiraja, Simultaneous Saccharification and Fermentation of woody stem *Prosopis juliflora* by *Zymomonas mobilis* for the production of cellulosic ethanol, **International Journal of Materials and Product Technology**, Vol. 55, (2017) 236-253.
36. N. Josephine Selvi, **G. Baskar**, Aruna Singh, Dehydration kinetics of *Musa acuminata* in osmotics and microwave drying, **International Journal of Materials and Product Technology**, Vol. 55, (2017) 173-187.
37. K. Sathya, R. Saravanathamizhan, **G. Baskar**, Ultrasound assisted phytosynthesis of iron oxide nanoparticle, **Ultrasonics-Sonochemistry**, Vol. 39, (2017) 446-451.
38. M. Anil Kumar, S. Poonam, V. Vinoth Kumar, **G. Baskar**, M. Seenuvasan, D. Anuradha, S. Sivanesan, Mineralization of aromatic amines liberated during the degradation of a sulfonated textile colorant using *Klebsiella pneumoniae* strain AHM, **Process Biochemistry**, Vol. 57, (2017) 181-189.
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49. M. Gopinath, C. Mohanapriya, K. Sivakumar, **G. Baskar**, C. Muthukumaran and R. Dhanasekar, "Biodegradation of toluene vapor in coir based upflow packed bed reactor by *Trichoderma asperellum* isolate", **Environmental Science and Pollution Research**, Vol. 23, (2016) 4129-4137.