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Area of specialisation: Biocatalysis, Biotransformations, Biodiesel and Environmental pollution

List of Publications

1. Ramachandran .K, Sivakumar. P, Suganya. T and **Renganathan S**, “Lipid Extraction from natural Plant Source of *Adenantha pavonina* using mixed solvent by superheated extractor”, *Korean Journal of Chemical Engineering*, Vol. 31, Issue 3, 509-513, (2014).
2. P. Sivakumar, S. Sankaranarayanan, **S. Renganathan** and P. Sivakumar, “Studies on Sonochemical Biodiesel Production using smoke deposited Nano MgO catalyst”, *Bulletin of Chemical Reaction Engineering and Catalysis*, 8 (2), 89-96.
3. Shiyamala devi Sureshan, Priya Paskaran and **Renganathan Sahadevan**, “Pyrrolo [1,2-A] Pyrazine-1,4-dione, hexahydro-3-(2-methylpropyl)- and phenol, 2,4-Bis (1,1-dimethy ethyl)novel antibacterial metabolites from a marine Kocuria sp. SRS88: Optimization and its application in medical cotton gauze cloth against bacterial wound pathogens”, *International Journal Of Pharmaceutical Research And Development*, Vol 6(02): April 2014, (044-055). 2014.
4. Suganya Tamilarasan and **Renganathan Sahadevan**, “Ultrasonic assisted acid base transesterification of algal oil from marine macroalgae *Caulerpa peltata*: Optimization and characterization studies”, *Fuel*, Vol. 128, Pages 347–355. 2014.
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6. Nambirajan Subramanian, Dharmendra Kumar Mahendradas, Ramachandran Kasirajan, **Renganathan Sahadevan**, “Bio-oil separation from potential non-edible urban waste *Putranjiva roxburghii*”, *Separation Science and Technology*, Vol. 50, Issue 3, April 2014, 2066-2074, 2015.
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10. Lavanya Melcure Raj, Meenakshisundaram Arunachalam, **Renganathan Sahadevan**, Chinnasamy Senthil, David M Lewis, Nallasivam Jaganathan, Bhaskar Sailendra, "Hydrothermal liquefaction of freshwater and marine algal biomass: A novel approach to produce distillate fuel fractions through blending and co-processing of biocrude with petrocruide", *Bioresource Technology*, Vol. 203, 228-235, 2016.
11. V. Subha, Preethi ramadoss, and **S. Renganathan**, "Incorporation of biotransformed silver nanoparticles in plant polysaccharides in and their effect on sustained drug release", *Polymer Science Series B*, Vol. 58, No.1, 61-72, 2016.
12. Mohammad Khan Faisal, Parthasarathy Saranya, Lingesan Prameela and **Sahadevan Renganathan**, "Studies on adsorption potential of oil-extracted marine macro algae *Padina gymnospora* for the removal of methylene blue", *International Journal of Environment and Sustainable Development*, Vol.15, No.3, 272-285, 2016.
13. V.A. Niraimathee, V. Subha, R. S. Ernest Ravindran and **S. Renganathan**, "Green synthesis of iron oxide nanoparticles from *Mimosa pudica* root extract", *International Journal of Environment and Sustainable Development*, Vol.15, No.3, 227-240, 2016.
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