

**Dr. S. Renganathan**

Professor

Dept. of Biotechnology

A.C. Tech.,

Anna University, Chennai -25.

**Email:** [rengsah@rediffmail.com](mailto:rengsah@rediffmail.com)

**Mobile:** 9941613532

**Area of specialization:** Biofuels, Nanocatalysis

**List of publications for the last five years**

1. D Vigneshpriya, N Krishnaveni, **S Renganathan**, Impact of untreated and *Sargassum wightii*-treated brilliant green dye exposure on Indian major carp, *Labeo rohita* Ham.: hematology, biochemistry, enzymology, International Journal of Phytoremediation 22 (8), 819-826, 2020.
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4. NK Ramamoorthy, TR Sambavi, **S Renganathan**, A study on cellulase production from a mixture of lignocellulosic wastes, Process Biochemistry 83, 148-158, 2019.
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11. M. Karthikeyan and **S. Renganathan**, “Optimization of non-edible oil extraction from *Cassia javanica* seeds”, Energy Sources, Part A: Recovery”, Utilization, and Environmental Effects. DOI: 10.1080/15567036.2017.1299259.
12. M. Karthikeyan, **S. Renganathan** and P. Govindhan, “Production of biodiesel via two step acid base catalysed transesterification reaction of karanja oil by BaMoO<sub>4</sub> as a catalyst”, Energy Sources, Part A: Recovery”, Utilization, and Environmental Effects. DOI: 10.1080/15567036.2017.1336822.
13. V. Theresa, R.S. Ernest Ravindran, R. Ajith Kumar, K. Pandian & **S.Renganathan**, “Novel approach to produce oil from non-edible seeds of *Indigofera colutea*” Energy Sources, Part A: Recovery”, Utilization, and Environmental Effects. Vol.39, No.13, 1369-1376, 2017.
14. D. Vignesh priya, N. Krishnaveni, **S. Renganathan**, “Marine brown macroalga *Sargassum wightii* as a novel biosorbent for removal of brilliant green dye from aqueous solution: kinetics, equilibrium isotherm modeling and phytotoxicity of treated and untreated dye” Desalination and Water Treatment. Vol.78, 300-312, 2017.
15. S. Keerthana, J. Priyanga, A. Sirajununnisa, S. Pavithra, R. Geethalakshmi, **S. Renganathan**, “Biofabrication of manganese nanoparticles using *Aegle marmelos* fruit extract and assessment of its biological activities”. Nanomedicine Research Journal. Vol.2, No.3, 171-178, 2017.
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19. 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 petrocude”, Bioresource Technology, Vol. 203, 228-235, 2016.
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