

## LIST OF PUBLICATIONS

### *International / National Journals*

- S. kodhaiyolii, S. Mohan Raj, **M. Rengasamy**, and V.Pugalenth. (2019), 'Photofabrication of bimetallic Co-Ni nanoparticles using Boerhavia diffusa leaf extract: analysis of phytocompounds and application for simultaneous production of biohydrogen', Material Research Express 6(9), 095051.
- **M. Rengasamy**, S. Mohanraj, K. Anbalagan, and V.Pugalenth. (2017), 'Synthesis of maghemite nanoparticles, biodiesel and hydrogen: One pot sequential reactions', Applied Catalysis A: General, 25, Vol. 546, PP. 22-29.
- **M. Rengasamy**, R. Vinoth Raj and N. Vedagiriswaran. (2017), 'Study on Oil Extraction from Jackfruit Seed and its Application in Biodiesel Production', Elixir Renewable Energy, Vol. 102, pp. 44269-44272, ISSN: 2229-712X.
- K. Kumaraguru, D. Vinoth, R. Sandeep Kumar, S.R. Lal and **M. Rengasamy**. (2017), 'Mercury(II) Ions Removal by Adsorption', Elixir Renewable Energy', Vol. 102, pp. 44236-44238, ISSN: 2229-712X.
- **M. Rengasamy**, K. Anbalagan, S. Kodhaiyolii and V. Pugalenth. (2016), 'Castor leaf mediated synthesis of iron nanoparticles for evaluating catalytic effects in transesterification of castor oil', RSC Advances, Vol. 6, pp. 9261–9269.
- M. Ramamoorthi, P. Navaneetha Krishnan and **M. Rengasamy**. (2015), 'Performance analysis of mustard and pongamia methyl ester blends with diesel in CI engine', Journal of Chemical and Pharmaceutical Sciences, Special Issue 6, pp 257 – 259, ISSN: 0974-2115.
- Sumithra, M. Shyama Sundari, S. Venkatesan, **M. Rengasamy** and A. Brinda Lakshmi. (2014), 'Statistical optimization of chromium ion removal using response surface methodology', Journal of Chemical and Pharmaceutical Sciences, Special Issue 4:, pp.196 – 200, ISSN: 0974-2115.
- **M. Rengasamy**, E. Titus Praveen Kumar, T. Satheesh, D. Venkadesh and K. Kumaraguru (2014), 'Hydrodynamic cavitation for the production of biodiesel from sunflower oil using NaOH catalyst', Journal of Chemical and Pharmaceutical Sciences, Special Issue 4:, pp 104 – 106, ISSN: 0974-2115.

- **M. Rengasamy**, S. Mohanraj, S. Harsha, R. Balaji and V. Pugalenth. (2014), 'Transesterification of castor oil using nano-sized iron catalyst for the production of biodiesel', Journal of Chemical and Pharmaceutical Sciences, Special Issue 2:, pp 108 – 112, ISSN: 0974-2115.
- **M. Rengasamy**, K. Anbalagan, S. Mohanraj, V. Pugalenth. (2014), 'Biodiesel Production from Pongamia pinnata Oil using Synthesized Iron Nanocatalyst', International Journal of ChemTech Research, Vol. 6, No. 10, pp.4511-4516, ISSN : 0974-4290.
- K. Kumaraguru, **M. Rengasamy**, E. Titus Praveen Kumar and D. Venkadesh. (2014), 'Factors affecting printing quality of paper from bagasse pulb', International Journal of ChemTech Research, Vol. 6, No. 5, pp.2763-2767.
- Sundaresan Mohanraj, Shanmugam Kodhaiyolii, **Mookan Rengasamy** and Velan Pugalenth. (2014), 'Phytosynthesized iron oxide nanoparticles and ferrous iron on fermentative hydrogen production using Enterobacter cloacae: Evaluation and comparison of the effects', International Journal of Hydrogen Energy, Vol. 39, pp. 11920–11929.
- **Mookan Rengasamy**, Sundaresan Mohanraj, Krishnasamy Anbalagan, Shanmugam Kodhaiyolii, and Velan Pugalenth. (2014), 'Production of biodiesel from neem oil using synthesized iron nanocatalyst', Recent Advances in Bioenergy Research, Vol. 3, pp.337 – 348, Electronic version published by SSS-NIRE, ISBN 978-81-927097-2-7.
- Sundaresan Mohanraj, Shanmugam Kodhaiyolii, **Mookan Rengasamy** and Velan Pugalenth. (2014), 'Green Synthesized Iron Oxide Nanoparticles Effect on Fermentative Hydrogen Production by Clostridium acetobutylicum', Applied Biochemistry and Biotechnology, Vol. 173, pp.318–331.
- **M. Rengasamy**, Siva subramanian and Brinda Lakshmi. (2012), 'Potential of Phenol Removal by low cost adsorbent in a batch Reactor', International Journal on applied Bioengineering, Vol-6, No-1, pp.39-43, ISSN 0973-9084.
- **M. Rengasamy**, V. Sivasubramanian, and M. Sathosh Kumar. (2009), 'Effect of Plasticizer, Filler and Solvent swell on Polyurethane Elastomers', Rubber India, Volume LXI, Issue No.5.