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Area of specialization: Biodiesel, Environmental engineering

List of publications for the last five years

1. **AA Renita**, KH Vardhan, PS Kumar, PT Ngueagni, A Abilarasu, S Nath, Effective removal of malachite green dye from aqueous solution in hybrid system utilizing agricultural waste as particle electrodes, Chemosphere, 129634, 2021.
2. **AA Renita**, S Salla, SL Duraikannu, Synthesis of acid free benzaldehyde by highly selective oxidation of benzyl alcohol over recyclable supported palladium catalyst, Combinatorial Chemistry & High Throughput Screening, 29 Dec 2020, DOI: [10.2174/1386207323666201230091613](https://doi.org/10.2174/1386207323666201230091613).
3. AAG Dhas, A Casmir, S Sattar, SM Amjad, N Joy, K Alagu, **A Renita**, Effect of mixing two biodiesels on emissions in CI engine fuelled by candle nut and soap nut methyl esters-diesel blends, AIP Conference Proceedings 2311 (1), 020013, 2020.
4. AAG Dhas, A Casmir, AS Greeshmanth, CDK Kumar, N Joy, K Alagu, **A Renita**, Performance test on CI engines on improving the oxidation stability of biodiesel, AIP Conference Proceedings 2311 (1), 020016, 2020.
5. Magesh A, **Annam Renita**, Practice on treating pharmaceutical compounds (antibiotics) present in wastewater using biosorption techniques with different biowaste compounds. A review, Environmental Progress and Sustainable Energy, 39, e13429, 2020.
6. D Kaliyaraj, M Rajendran, V Angamuthu, AR Antony, M Kaari, **Annam Renita**, Bioleaching of heavy metals from printed circuit board (PCB) by Streptomyces albidoflavus TN10 isolated from insect nest, Bioresources and Bioprocessing 6 (1), 1-11, 2019.
7. **AA Renita**, PS Kumar, SA Jabasingh, Redemption of acid fuchsin dye from wastewater using de-oiled biomass: kinetics and isotherm analysis, Bioresource Technology Reports 7, 100300, 2019.
8. S Salla, NR Ankem, PS Kumar, **AA Renita**, K Micheal, Enhanced photocatalytic activity of environment-friendly C/ZnFe₂O₄ nanocomposites: application in dye removal, Desalination and Water Treatment 137, 395-402, 2019.
9. **Annam Renita A**, Narendra K, Optimization of fermentation parameters using response surface methodology for biohydrogen production from urban waste, U.P.B. Sci. Bull., Series B, 80 (2), 117-126, 2018.
10. **Annam Renita A**, Saravanan P, Senthil Kumar, Hybrid synthesis of novel material through acid modification followed ultrasonication to improve adsorption capacity for zinc removal, Journal of Cleaner Production 172, 92-105, 2018.

11. Utharalakshmi N, **Annam Renita A**, A Study on the Production of Bioethanol from *Portieria hornemannii* Seaweed, *Der Pharma Chemica* 9 (6), 87-89, 2017.
12. **Annam Renita A**, Azmin Hannan, Studies on Eco-friendly Production of Biodiesel from Marine Seaweed, *Journal of Chemical and Pharmaceutical Sciences* 10 (2), 995-997, 2017.
13. **Annam Renita A**, Kavitha V, Lathasree S, Reverse Osmosis Reject Brine as a Source of Struvite and Calcium Oleate, *Der Pharmacia Lettre* 8 (6), 256-260, 2016.
14. **Annam Renita**, Pooja Paul Chowdhury, Parveen Sultana, Prayashi Phukan, Utilization of waste eggshells for production of renewable catalyst for transesterification, *International Journal of Pharmacy and Pharmaceutical Sciences* 8 (7), 1-4, 2016.