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### **List of Publications in the last 5 years**

1. Sathiya S, Nilavunesan D, Baskaralingam P, Thiruvengadaravi K V, Sivanesan S, "Studies on Impact of Seawater Intrusion on Groundwater Quality ", International Journal of Applied Engineering Research , published by Research India Publication. Vol. 10, pp. 11667-11670 (2015).
2. Manoj Kumar T, Nilavuneasan D, Thiruvengadaravi KV, Baskaralingam P, Sivanesan S, "Study of Industrial Wastewater Treatment Comparison between Conventional Activated Systems (CAS) and Membrane Bioreactor (MBR) Systems", International Journal for Research in Applied Science & Engineering Technology, Vol. 4, Issue 2, pp. 587-594 (2016).
3. Aishwarya JM, Nilavunesan D, Baskaralingam P, Sivanesan S, "Performance evaluation of sewage treatment plant at a residential building ", International Journal Environment and Sustainable Development, published by INDER SCIENCE. Vol. 15, Issue 3, pp. 326-336 (2016).
4. M. Sudhakar, P. Vijayalakshmi, D. Nilavunesan, K.V. Thiruvengadaravi, P. Baskaralingam and S. Sivanesan, "High Permeate Recovery for Concentrate Reduction by Integrated Membrane Process in Textile Effluent", Water Environment Research, published by Water Environment Federation. Vol. 88, pp. 838-846 (2016).
5. S. Padmavathi, K. Latha, D. Nilavunesan, P. Baskaralingam, S. Sivanesan, "Biogas production from food waste codigested with sewage treatment plant sludge using biochemical methane potential method ", International Journal Environment and Sustainable Development, published by INDER SCIENCE. Vol. 15, Issue 3, pp. 300-312 (2016).
6. S. Gopinath, P. Sahaya Murphin Kumar, K.A. Yasar Arafath, K.V. Thiruvengadaravi, S. Sivanesan, P. Baskaralingam, "Efficient mesoporous  $\text{SO}_4^{2-}/\text{Zr-KIT-6}$  solid acid catalyst for green diesel production from esterification of oleic acid", Fuel, published by Elsevier. Vol. 203, pp. 488-500 (2017).
7. K.A. Yasar Arafath.,D. Nilavunesan.,Subramanian Sivanesan., K.V. Thiruvengadaravi.,P. Baskaralingam, " Effects of Retting Pond Wastewater Pollution and Seasonal Variation", International Journal Environment and Sustainable Development,, published by Inderscience. Vol. 17, pp. 216 - 227 (2018).
8. Gopinath Selvaraj., Vinoth Kumar Ponnusamy.,Paskalis Sahaya Murphin Kumar.,K.A. Yasar Arafath.,S. Sivanesan.,Palanichamy Baskaralingam, "Cs-tungstosilicic acid/Zr-KIT-6 for esterification of oleic acid and transesterification of non-edible oils for green diesel production", Fuel, published by Elsevier. Vol. 234, pp. 824-835 (2018).
9. Yasar ArafathK.A. Baskaralingam P Gopinath S Nilavunesan D Sivanesan S, "Degradation of phenol from retting-pond wastewater using anaerobic sludge reactor integrated with photo catalytic treatment", Chemical Physics Letters, published by Elsevier. Vol. 734, (2019).

10. Yasar ArafathK.A. Gopinath S Nilavunesan D Sivanesan S Baskaralingam P, "Phenol degradation and chemical oxygen demand analysis of coir retting wastewater using anaerobic treatment", Journal of Environmental Biology, published by Triveni Enterprises. Vol. 40, pp. 784-789 (2019).
11. Yasar ArafathK.A. Gopinath S Nilavunesan D Sivanesan S Baskaralingam P, "Removal of phenol in coir retting wastewater by membrane bioreactor combined with photo-fenton process using RSM", Materials Research Express, published by IOP Publishing. Vol. 6, (2019).