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Last Five Year Publications:

1. **Saraswathi, R. and Saseetharan, M.K.** (July 2010) “Investigation on Microorganisms and their Degradation Efficiency in Paper and Pulp Mill Effluent”, J. Water Resource and Protection, Vol.2, No.7, pp. 660-664, DOI: 10.4236/jwarp.2010.27076, **ISSN Print:** 1945-3094 (Impact Factor: 0.64).
2. **Saraswathi, R. and Saseetharan, M.K.** (Oct-Dec 2010) “Effects of temperature and pH on floc stability and biodegradation in paper and pulp mill effluent”, Journal of Engineering Research and Studies, Vol. 1, No. 2, pp. 166-176, E-ISSN 0976-7916(Online).
3. **Saraswathi, R., Saseetharan, M.K. and Suja, S.** (May-June 2012) “ANN based predictive model for performance evaluation of paper and pulp effluent treatment plant”, International Journal of Computer Applications in Technology, Vol. 45, No. 4, pp. 280-289, DOI: 10.1504/IJCAT.2012.051128, ISSN print: 0952-8091 (Impact Factor: 0.647). Annexure II-2014.2
4. **Saraswathi, R. and Saseetharan, M.K.** (June 2012 “Simultaneous optimization of multiple performance characteristics in coagulation-flocculation process for Indian paper industry wastewater”, Water Science and Technology, Vol. 66, No 6, pp. 1231–1238, DOI: 10.2166/wst.2012.304, ISSN Print: 0273-1223 (Impact Factor: 1.212). Annexure I -2014.1
5. **Saraswathi, R. and Raggul N.** (2014) “Performance enhancement of effluent treatment plant in an Indian paper industry: A case study”, International Journal of Advanced Engineering Applications, Vol.7, No.4, pp.41-43, ISSN: 2321-7723 (Online).
6. **Raggul N and Saraswathi, R.** “Microbial Analysis and Parametric Optimization of Activated Sludge Process in Paper and Pulp Mill Effluent Plant: A Case Study”, Desalination and Water Treatment, <http://dx.doi.org/10.1080/19443994.2015.1054889>. Annexure I-2014.2
7. **Raggul N and Saraswathi, R.** “Design and Development of Operational Diagram for Controlling the Performance of ASP with a Case Study”, Journal of Environmental Engineering, accepted. Annexure I-2014.2
8. **Karthiga Devi M, Mohammed Siraj Ansari A, and Saraswathi R.** “Comparative study of bacterial degradation efficiency in Pulp and Paper Mill Effluent,” International Journal for Scientific Research and Development, Volume 5(2), 1605-1607,2017.

9. **Abinaya S., Saraswathi R., Rajamohan S., Mohammed Siraj Ansari A.,** Phyto -Remediation of total dissolved solids (TDS) by Eichhornia crassipes, Pistia stratiotes and Chrysopogan zizanioides from second stage RO brine solution, Research Journal of Chemistry and Environment. Volume 22 (5), 39-41, May 2018.
10. **Manikandan S., Saraswathi R., and Mohammed Siraj Ansari A.,** Effect of pH and Electrolysis Time on Removal of Reactive Black B dye by Electrochemical Treatment, Asian Journal of Engineering and Applied Technology, Volume 7 No.SI 2018, pp.45 -47.
11. **Saraswathi, R.** and Meenambal, T. (June 2002) “Air pollution due to Automobile Emission in Coimbatore”, *Indian Journal of Environmental Protection*, Vol. 22, No. 6, pp. 705-707, **ISSN Print: 0253-7141.**
12. **Saraswathi, R.** and Saseetharan, M.K. (Dec 2011) “Physicochemical parametric analysis of paper mill effluent using mixed cultures of bacteria and fungi”, *Journal of Scientific & Industrial Research*, Vol. 70, No. 12, pp. 1070-1078, <http://www.niscair.res.in>, **ISSN Print: 0022-4456.**
13. **Raggul, N. and Saraswathi, R.** “Design and Development of Secondary Clarifier for Paper and Pulp Industry with a Case Study”, *Indian Journal of Science and Technology*, Vol. 7, No. 12, 2014, <http://www.indjst.org>, **Print ISSN: 0974-6846.**
14. **Raggul, N. and Saraswathi, R.** (Feb 2015) “Optimization of physiochemical parameters for floc stability and biodegradation in paper and pulp mill effluent using response surface methodology: A statistical approach”, *International Journal of Applied Engineering Research (IJAER)*, ISSN 0973-4562, **Online ISSN 1087—1090**, Vol. 10, No. 4, pp. 10547-10567.
15. **Saraswathi, R.** and Saseetharan, M.K. “An investigation on air quality indices and its variation: A case study”, *International Interdisciplinary Conference on Sustainable Technologies for Environmental Protection (ICSTEP 2006)* – “Probing the boundaries”, organized by Coimbatore Institute of Technology, Coimbatore jointly with University of TOLEDO, OHIO, USA during 7 - 9 January 2006
16. **Saraswathi, R.** “Studies on Physical and Biochemical Parameters in paper mill effluent with Micrbial Flocs”, *3rd National Conference on Emerging Trends and Innovations in Chemical Engineering*, Sponsored by Defence Research and Development Organization and organized by St. Peters Engineering College during 27 to 28 March, 2009.
17. **Saraswathi, R.** “Effect of Ph and Chemical Parameters on Settability of Activated Sludge Flocs using Microorganisms”, *National Conference on Innovations in Civil Engineering*, organized by Kumaraguru College of Technology during 21st April, 2009.

18. **Saraswathi, R.** and Saseetharan, M.K. “A study on bioremediation of paper mill effluent”, *Fifth Indian Environment Congress (IEC)*, The World Water Resource Day, March 22-23, 2010, P.A. Aziz College of Engineering and Technology, Thiruvananthapuram, Kerala.
19. **Saraswathi, R.** “Optimization of Process Parameters for Coagulation Process in Water Treatment”, *International on Applications Electrical, Electronics, Computer, Civil and Mechanical Engineering*, ICAEECCME-2015, organized by Applications of Engineering Technology and Science (AETS Forum) Coimbatore during 5th December, 2015.
20. **Joselin Zibia J., Dr. R. Saraswathi, Mohammed Siraj Ansari A.**, Performance Evaluation of upflow - Anerobic Reactor in Treatment of water Contaminated with Pesticides., First International Conference on Energy and Environmental Global Changes, NIT,Calicut. 9 to 10 March 2018.
21. **Sam Chellasamy., Mohammed Siraj Ansari A., Dr. R. Saraswathi**, Removal of Malathion from Aqueous Solution by Advanced Oxidation Fenton Process with Ferrous Sulphate and Iron Swarf, First International Conference on Energy and Environmental Global Changes, NIT,Calicut. 9 to 10 March 2018.
22. **Balaji R., Dr. R. Saraswathi, Mohammed Siraj Ansari A.**, Performance Assessment of Aerobic Anerobic Treatment of Tannery Wastewater Based on Aeration Rate using Sequential Batch Reactor, First International Conference on Energy and Environmental Global Changes, NIT, Calicut, 9 to 10 March 2018.