

### List of Publications – Dr.R.Ravi, Professor.

1. Ravi Rajamanickam, Divya Baskaran, Kauselya Kaliyamoorthi, V. Baskaran, Jagannathan Krishnan, "Steady State, transient behavior and kinetic modeling of benzene removal in an aerobic biofilter.", *Journal of Environmental Chemical Engineering*, Volume 8, Number 2, Jan 2020, pp. 1-8. <https://doi.org/10.1016/j.jece.2020.103657>.
2. Divya Baskaran, Ravi Rajamanickam, Baskaran Vaidyalingam, "Effect of concentration and gas flow rate on the removal of gas-phase trichloroethylene in a novel packed biofilter.", *Bioresource Technology Reports*, Volume 9, Number 1, Feb 2020, pp. 1-10. <https://doi.org/10.1016/j.biteb.2020.100387>.
3. Divya Baskaran, Arindam Sinharoy, Tanushree Paul, Kannan Pakshirajan, Ravi Rajamanickam, "Performance evaluation and neural network modeling of trichloroethylene removal using a continuously operated two-phase partitioning bioreactor.", *Environmental Technology & Innovation*, Volume 17, Number 1, Feb 2020, pp. 1-12. <https://doi.org/10.1016/j.eti.2019.100568>.
4. Divya Baskaran, Arindam Sinharoy, Kannan Pakshirajan, Ravi Rajamanickam, "Gas-phase trichloroethylene removal by *Rhodococcus opacus* using an airlift bioreactor and its modeling by artificial neural network.", *Chemosphere*, Volume 247, Number 1, May 2020, pp. 1-10. <https://doi.org/10.1016/j.chemosphere.2019.125806>.
5. Divya Baskaran, Ravi Rajamanickam, "Aerobic biodegradation of trichloroethylene by consortium microorganism from turkey litter compost.", *Journal of Environmental Chemical Engineering*, Volume 7, Number 4, Aug 2019, pp. 1-7. [10.1016/j.jece.2019.103260](https://doi.org/10.1016/j.jece.2019.103260).
6. Divya Baskaran, Ravi Rajamanickam, Kannan Pakshirajan, "Experimental studies and neural network modeling of the removal of trichloroethylene vapor in a biofilter.", *Journal of Environmental Management*, Volume 250, Number 15, Nov 2019, pp. 1-8. [2019/10.1016/j.jenvman.2019.109385](https://doi.org/10.1016/j.jenvman.2019.109385).
7. Krishnan, J., Rajamanickam, R., & Vasudevan, J. , "Nitrogen and Sulphur Doped TiO<sub>2</sub> for Photodegradation of Phenol under visible light.", *Research journal of pharmaceutical biological and chemical sciences*, Volume 8, Number 1, Apr 2017, pp. 360-364. 2017.
8. Ravi Rajamanickam, Divya Baskaran, "Biodegradation of gaseous toluene with mixed microbial consortium in a biofilter: steady state and transient operation.", *Bioprocess and Biosystems Engineering*, Volume 40, Number 12, Aug 2017, pp. 1801-1812. 2017.
9. Srikumar Malakar, Papita Das Saha, Divya Baskaran, Ravi Rajamanickam, "Comparative study of Biofiltration process for treatment of VOCs emission from Petroleum Refinery Wastewater – A Review.", *Environmental Technology & Innovation*, Volume 8, Number 1, Oct 2017, pp. 441-461. 2017.
10. Srikumar Malakar, Papita Das Saha, Divya Baskaran, Ravi Rajamanickam, "Microbial biofilter for toluene removal: performance evaluation, transient operation and theoretical prediction of elimination capacity.", *Sustainable Environment Research*, Volume 28, Number 3, Dec 2017, pp. 121-127. 2018.
11. Ravi Rajamanickam; Kauselya Kaliyamoorthi; Narendiran Ramachandran ; Divya Baskaran; Jagannathan Krishnan, "Batch biodegradation of toluene by mixed microbial consortia and its kinetics.", *International Biodeterioration & Biodegradation*, Volume 119, Number 1, Nov 2016, pp. 282-288. 2016.

12. K. Kauselya , R. Narendiran, and R. Ravi, "Effect of pH and Inoculums Size on Benzene Biodegradation using Mixed Culture.", *Journal of Advanced Chemical Sciences*, Volume 1, Number 1, Mar 2015, pp. 20-21. 2015.
13. K. Kauselya , R. Narendiran, and R. Ravi, "Biofilter for removal of volatile organic compound (VOC's)- A review.", *International Journal of Environment and Bioenergy*, Volume 10, Number 1, Jan 2015, pp. 1-8. 2015.