



Dr. B. Vivekanandan
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Department of Chemical Engineering & Biotechnology
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Employment Record

Total Experience: 18 Years (Teaching, Industry & Research)

Total Teaching Experience: 13 Years

Institution	Year	Designation	Department
Hindustan Institute of Technology & Science, Chennai	September 2017 to till date	Associate Professor	Chemical Engg.
SRM University, Chennai	September 2008 to November 2012	Assistant Professor	Chemical Engg.
Anjalai Ammal - Mahalingam Engineering college	July 2005 to August 2008	Lecturer	Chemical Engg.
A.R.J College of Engineering & Technology	June 2003 to July 2005	Lecturer	Bio-Technology

Industrial Experience: 1 Year

Consultancy	Year	Designation
Hubert Enviro Care Systems (P) Ltd., Chennai	September 2016 to September 2017	Environmental Engineer

Research Experience: 4 Years

Institute	Year	Designation
NIT, Trichy	December 2012 to August 2013	JRF
NIT, Warangal	September 2014 to September 2016	JRF

Abroad Assignment

Period	Country Visited	Purpose of visit
September 2013 to August 2014	Belgium Ghent University	Research

Educational Qualification

Degree	Specialization	University	Year
B.Tech	Chemical Engineering	Shanmugha College of Engineering (SASTRA University)	1997 – 2001
M.E.	Chemical Engineering	Annamalai University	2001 – 2003
Ph.D	Process Simulation and Modelling	National Institute of Technology (NIT), Warangal	2012 – 2016

Papers Published in the Journal

1. **Vivekanandan.B**, Seshagiri Rao.A. (2020). Sensitivity analysis of activated sludge process, *Pollution Research*, 39(3), 206-211.
2. Rengadurai.S, B.Preetha, **B.Vivekanandan**, P.Elavarasan (2020). Analysis of external mass transfer on the degradation of Reactive black 5 using immobilized *Trametes hirsuta* in packed bed reactor, *Research Journal of Chemistry and Environment* (accepted).
3. T.Srinivas, Vijay Samuel G, A. Saravanan, **B. Vivekanandan** (2020). Biofiltration- a low cost method for dye removal from wastewater using discarded fruit peels, *Journal of Seybold Report*, 15(9), 3100-3108.
4. T.Srinivas, Vijay Samuel G, A. Saravanan, **B. Vivekanandan** (2020). SiC/oil nanofluids thermal conductivity at Varying concentration and heat inputs, *Journal of Seybold Report*, 15(9), 3686-3794.
5. **Vivekanandan.B**, Seshagiri Rao.A. (2019). Comparison of control strategies for effluent constraints and operating costs in activated sludge process, *Pollution Research*, 38, 61-68.
6. **Vivekanandan.B**, Seshagiri Rao.A. (2018). Sensitivity of effluent variables in activated sludge process, *Chemical Product and Process Modeling*, 13(2), 2017-0028.
7. **Vivekanandan.B**, Seshagiri Rao.A. (2017). Estimation of yield, decay rate and half-saturation coefficient of ASM1 model parameters, *International Journal of Environmental Research*, 11(4), 415-423.
8. **Vivekanandan.B**, Seshagiri Rao.A. (2017). Enhanced control of activated sludge process using pre-determined setpoints, *International Journal of Environmental Science and Technology*, 14(3), 487-496.
9. **Vivekanandan.B**, Seshagiri Rao.A. (2016). Evaluation of control strategies for activated sludge process, *Chemical Product and Process Modeling*, 4(3), 279-290.
10. **Vivekanandan.B**, Seshagiri Rao.A. (2016). Comparison of MPC and PI control strategies for activated sludge process, *Journal of Applied Science and Engineering Methodologies*, 2(1), 230-238.
11. Mullai.P, **Vivekanandan.B**, Karunanithi.T, Sabarathinam.PL. (2005). Modelling in hybrid upflow anaerobic sludge blanket reactor, *Pollution Research*, 24(2), 383-388.
12. **Vivekanandan.B**. (2003). Axial dispersion model in Upflow Anaerobic Sludge Blanket Reactor, *Journal of Industrial Pollution Control*, 19(2), 185-193.