

RESEARCH PUBLICATIONS

2019

1. Assessment of groundwater quality for the suitability of irrigation and its impacts on crop yields in the Guna district, India. Agricultural Water Management 2019 (**Elsevier Pub.**) vol. 216, page 224-241 (**Impact Factor 3.542**).
2. Biogas production from solid waste by using the anaerobic digester-A Review. Renewable and Sustainable Energy Reviews, 2019 (**Elsevier Pub.**) (Under Revision) (**Impact Factor 9.184**).
3. The mathematical modeling for the optimization of triacylglycerol Acylhydrolases Production Through Artificial Neural Network and Genetic Algorithm". International Journal of Pharma and Bio Sciences. Vol. 10 (3), page 135-143.
4. Production of microbial enzyme triacylglycerol Acylhydrolases by ASPERGILLUS SYDOWII JPG01 by in submerged fermentation using agroresidues". Asian Journal of Microbiology, Biotechnology and Environmental Sciences. Vol 21, issue 4, 2019.

2018

5. Geochemical assessment of fluoride enrichment and nitrate contamination in groundwater in hard rock aquifer by using graphical and statistical methods. Journal of Earth System Science 2018 (**Springer Pub.**) Vol 127, issue 7, pp 104 (1-23) (Impact Factor 1.104).
6. Engineering aspects of immobilized lipases on esterification: A special emphasis of crowding, confinement and Diffusion effects. Jan. 2018 (**Wiley VCH Pub.**), Engineering in Life Science, vol 18, page 308-316. (Impact Factor 2.389).
7. Assessment of landfills vulnerability on the groundwater quality located near floodplain of the perennial river and simulation of contaminant transport. Modeling Earth System and Environment 2018" (**Springer Pub.**) vol 4 Issue 2 page 729-752.

2017

8. An assessment of hydrogeochemistry of two wetlands located in Bihar State in subtropical climatic zone of India. Environmental Earth Sciences, 2017 (**Springer Pub**) vol 76 (1); pp 1-19; (Impact Factor 1.871).
9. Design of anaerobic digester for producing biogas from Municipal Solid Waste. Poster presentation in International Workshop on Sustainable Energy, Kalmar Institute of Technology, Sweden, 6-8th Dec. 2017, poster No 20.

2016

10. Statistical evaluation of Recovery of copper from ewaste by using Hydrometallurgical Method and RSM model" Journal of Environmental Science, Toxicology and Food Technology" Oct. 2016, vol 10, issue 7 ver. II pp 31-43. (Impact Factor 1.832).

2012

11. Groundwater in Vicinity of landfill. 2012 (LAMBERT ACADEMIC PUBLISHING), GERMANY, Jan. 2012 ISBN: 9783847328858.

2011

12. Bottom Up approach: A versatile approach nanomaterial synthesis. Poster presentation in National Conference, Recent Trend in material Science (RTMS) from 8th to 10th October 2011.

2008

13. Geochemical Assessment of Groundwater Quality in vicinity of Bhalswa landfill using Graphical and multivariate statistical method, Delhi, India. Environmental Geology, 2008, (**Springer Pub.**) Vol. 53, 1509-1528. (Impact Factor 1.871).

14. Hydro- geochemical studies around the Bhalswa landfill in Delhi, India. AA Balkema **(Taylor and Francis Group London UK)** “Groundwater for Sustainable Development: Problems, Perspectives and Challenges (2008) “ISBN: 9780415407762, ISBN-10: 0415407761 Chap 8, 69-85.

2007

15. An Aquifer Vulnerability Assessment Using the DRASTIC Model in Landfill Sites, Delhi, India. In proceeding an international Conference on Coastal Zone Environment and Sustainable Development, Vulnerable, Adaptation and Beyond. (12th to 14th Feb 2007) pp 103.
16. An Approach to Manage Groundwater Aquifers Including Coastal City Aquifer of India. In proceeding an international Conference on Coastal Zone Environment and Sustainable Development, Vulnerable, Adaptation and Beyond. (12th to 14th Feb 2007) pp 104.

2006


17. Metal fractionation studies in Surficial and Core sediments in the Achankovil River basin, India. Environmental Monitoring and Assessment 2006 **(Springer Pub.)** (Volume 121, NO. 1-3, Page 77-102) (Impact Factor 1.959).
18. Hydrogeochemistry of groundwater in vicinity of Bhalswa Landfill, Delhi, India. In proceeding of International Conference on Groundwater for Sustainable Development, Problem Perspective and Challenges since 1st Feb to 4th Feb 2006.
19. Simulation of Solute Transport in South Delhi, Using Okhala Phase II as point source, Delhi, India. In proceeding of International Conference on Groundwater for Sustainable Development, Problem Perspective and Challenges since 1st Feb to 4th Feb 2006.

2005

20. An overview of the Hydrogeochemical Water Quality Model” (2005) Mathematical Models in Hydro-geochemistry, Assessment of Quality and Management (sept 19th to 5th Oct 2005) (pp 49-59).
21. Groundwater Resource Management. In proceeding an international workshop conducted by SIS, Jawaharlal Nehru University (7th to 8th April 2005) (unpublished).
22. Groundwater quality in vicinity of Bhalswa Landfill, Delhi, India. In proceeding of National Workshop conducted by IIT, Delhi (18th-19th May 2005).

2004

23. An over view of Mathematical Modelling. Hands on Training in Mathematical Modelling, Prashant Publishing Co. (2004), New Delhi, India pp 48-57.



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