

Research Activities of the Departments/Publications/Projects

Dr. Pooja Sharma

Research Paper

- Shah J.A., Sharma P., Goyal R., Dar M.H., Seismic analysis of an existing building, International Journal for Technological Research In Engineering, Vol. 5(12), 4617 - 4621(2018)
- Bhat S.R. , Goyal R., Sharma P., Utilization of fly ash in concrete with addition of banana fiber, International Journal for Technological Research In Engineering, Vol. 5 (11), 2899-2908 (2018)
- Dar M.H., Sharma P., Goyal R., Mir S.A., Evaluation of structural strength using techniques of non destructive testing of concrete, International Journal for Technological Research In Engineering, Vol. 5(11), 4412-4413 (2018)
- To study the effect of fire on performance of reinforcement in RCC buildings, International Journal for Technological Research In Engineering, Vol. 5(11), 4544-4551 (2018)
- Mohmmad M.B., Balyan R., Sharma P., Nabi B., Crash Prediction on NH 44 (Previous NH1 A) from Lower Munda Qazigund to Khanabal J & K, International Journal of Engineering and Technology, Vol. 5 (7), 2240-2245 (2018)
- Fayaz M.A., Balyan R., Sharma P., Laboratory Investigation For Stabilization of Clayey Soil In Kashmir Valley, International Journal of Engineering Development and Research, Vol. 6(3), 30-35 (2018)
- Islam S.U., Goel R., Sharma P., Seismic Coaction of Shear Wall and Reinforced Cement Concrete Bracing System in High Rise Commercial Buildings using STAAD Pro, International Journal for Research in Applied Science and Engineering Technology, Vol. 6(5), 2899-2908 (2018)
- Sharma M., Mehta N., Sharma P., Study on causes of dampness and its preventive measures, International Journal of Scientific and Technological Development, Vol. 3(1), 29-36 (2017)
- Singh A., Sharma M., Mehta N., Sharma P., Effect of paper sludge on properties of cement concrete, International Journal of Scientific and Technological Development, Vol. 2(1), 5-8 (2016)

- Sharma P., Ghosh U.K., Ray A.K., Kinetic model for anaerobic digestion of distillery spent wash, American Journal of Chemical Engineering, Vol. 4(6), 139-146 (2016)
DOI: 10.11648/j.ajche.20160406.11
- Sharma P., Ghosh U.K., Ray A.K., Dynamic model for anaerobic digestion of sewage sludge considering Haldane kinetics and wall growth factor, American Journal of Environmental Engineering, Vol. 6(5), 129-139 (2016) DOI: 10.5923/j.ajee.20160605.01
- Sharma P., Ghosh U.K., Ray A.K., Biological approaches for treatment of high strength industrial effluent, International Journal of Research in Engineering and Applied Sciences, Vol. 3(4), 38-44 (2013)
- Sharma P., Walia R., Rajor A., Reuse in irrigation: Secondary treated industrial effluent, International Journal of Research in Engineering and Applied Sciences, Vol. 2(2), 1691-1697 (2012)

Conferences

- Sharma P., Ghosh U.K., Ray A.K., Modelling of Anaerobic Digestion of Wastes from Industrial Processes, Process Development, Annual Meeting, American Institute of Chemical Engineers AICHE 2019, USA, November 10 – 15 (Paper published)
- Sharma P., Ghosh U.K., Ray A.K., Modelling of Anaerobic Digestion of Wastes from Industrial Processes, Process Development, Annual Meeting, American Institute of Chemical Engineers AICHE 2019, USA, November 10 – 15 (Paper published)
- Sharma P., Ghosh U.K., Ray A.K., Kinetic modelling and simulation of anaerobic digestion of industrial effluent and sludge, Environmental Division, Annual Meeting, American Institute of Chemical Engineers AICHE 2015, USA, November 8-13 (Abstract published)
- Sharma P., Ghosh U.K., Ray, A.K., Kinetic study of anaerobic digestion of sewage sludge, Proceeding, Environmental Division, Annual Meeting, American Institute of Chemical Engineers AICHE 2014, USA, November 16-21 (Paper published)
- Sharma P., Ghosh U.K., Ray A.K., Dynamic modelling and simulation of anaerobic digester for high organic strength waste, Proceeding, Environmental Division, Annual Meeting, American Institute of Chemical Engineers AICHE 2013, USA, November 3-8 [Poster presented by supervisor and paper published]
- Ray A.K., Yadav S.P., Sharma P., Economic production of bio-ethanol from various indigenous sources in India-a review. Proceeding, Forest Division, Annual Meeting, American Institute of Chemical Engineers AICHE 2013, USA, November 3-8 [Paper presented by supervisor and published]

- Sharma P., Ghosh U.K., Ray A.K., Biological approaches for treating high strength industrial effluent. International Multi-conference on Global Advancements and Futuristic Trends in Engineering, Management & Information Technology (MANTHAN-2013), February [Paper presented and published]
- Sharma P., Rinku W., Rajor A., Reuse in irrigation: Secondary treated industrial effluent. International Conference on Competitiveness & Innovativeness in Engineering, Management & Information Technology (ICCIEMI-2012), January 29 [Paper presented]
- Walia R., Rajor A., Sharma P., Performance evaluation of wastewater treatment plant of dairy plant. 2nd National Conference on Recent Advances in Chemical & Environmental Sciences (RACES-2010), Patiala, January 22-23 [Paper presented]
- Sharma P., Walia R., Rajor A., Performance evaluation of industrial effluent treatment plants. International Congress of Environmental Research, (ICER -2010), UoM, Reudit, Mauritius, September 16-18 (Abstract published)
- Walia R., Rajor A., Sharma P., Reuse of wastewater of treatment plant of Dairy plant: Irrigation; National Conference on Emerging Trends in Energy & Environment Protection (ENPRO-2010), Page No.11,17-19 March 2010, BSF Academy, Tekanpur, Gwalior, MP (Abstract published)

Book

Performance Evaluation of Industrial Effluent Treatment Plants: A Case Study of an Activated Sludge Process based Effluent Treatment Plant of a Milk based Food Industry (2009)

Pooja Sharma

VDM Verlag Dr. Muller Publishing House Limited, Germany.

[M-Tech dissertation work selected for publication as book format]

<http://www.amazon.com/Performance-Evaluation-Industrial-Effluent-Treatment/dp/3639195515>

Er. Nitin Mehta

Research Paper

- Sharma M., Mehta N., Sharma P., Study on causes of dampness and its preventive measures, International Journal of Scientific and Technological Development, Vol. 3(1), 29-36(2017)
- Singh A., Sharma M., Mehta N., Sharma P., Effect of paper sludge on properties of cement concrete, International Journal of Scientific and Technological Development, Vol. 2(1), 5-8(2016)

Er. Manni Sharma

Research Paper

- Sharma M., Mehta N., Sharma P., Study on causes of dampness and its preventive measures, International Journal of Scientific and Technological Development, Vol. 3(1), 29-36(2017)
- Singh A., Sharma M., Mehta N., Sharma P., Effect of paper sludge on properties of cement concrete, International Journal of Scientific and Technological Development, Vol. 2(1), 5-8(2016)

Er. Sonu Ram

Research Paper

- Gupta, A., Ram S., Quality Improvised Of Asphalt Mix Using Natural Waste And Industrial Waste Materials, International Journal of Management, Technology And Engineering, Vol. 9(11), 404-410, 2019
- Ram S., Impact of Road geometry and manmade features on road safety, International Journal for technological research in engineering, Vol.6(6), 2019
- Ram S. , Effect of partial replacement of coarse aggregates in concrete by waste in concrete by waste tyre rubber aggregates in rigid, International journal for research in applied science & engineering technology , Vol.7 (1), 2019

- Ram S. , A cost benefits optimization model for maintenance and rehabilitation activities of road, International Journal for technological research in engineering, Vol.6(6), 2019
- Ram S. , Adil P. , Utilization of modified bitumen in road construction, International Journal for technological research in engineering, Vol.6(6), 2019

Er.Suryakant Jaryal

Research Paper

- Jaryal, S., Sood, H., Rattan, J.S., Evaluation of properties of concrete using rice husk ash and polypropylene fibre, International Journal of Technical Innovation in Modern Engineering & Science, Vol. 4(10), 70-73, 2018