

STUDENTS PUBLICATIONS (M. Tech)

STRUCTURAL ENGINEERING

1. S. Jagan, T. R. Neelakantan and M. Padma Lakshmi. "Enhancement on the properties of recycled coarse aggregate through bio-deposition – An experimental study", Materials Today Proceedings, 2021, Online Published, 10.1016/j.matpr.2021.06.009
2. Pothinathan, S.K.M., Millar, J., Gnanaraj, S.C. "Effect of sulfonated-melamine formaldehyde as superplasticizer in cementitious systems", Materials Research Proceedings, 2021, 19, pp. 51–59
3. Chithambar Ganesh, A., Sowmiya, K., Muthukannan, M. "Investigation on the effect of steel fibers in geopolymer concrete", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012156
4. Mukilan, K., Irene, A.D.K.B., Shenbagavalli, S., Muthuprakash, P. "Experimental study on steel fibre reinforced concrete with a partial replacement of cement by rice husk ash", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012140
5. Jagan, S., Neelakantan, T.R., Reddy, L., Kannan, R.G. "Characterization study on recycled coarse aggregate for its utilization in concrete - A review", Journal of Physics: Conference Series, 2020, 1706(1), 012120
6. Premkumar, R., Chokkalingam, R.B., Shanmugasundaram, M., Ragasree, A. "Study on mechanical properties of alkali activated binary blended binder containing steatite powder and fly ash / GGBS", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012153.
7. Lavanya, B., Kuriya, P.D., Suganesh, S., Indrajith, R., Chokkalingam, R.B. "Properties of geopolymer bricks made with flyash and GGBS", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012141.
8. GurupandiMuniasamy, Muthukannan M., Suresh Kumar A., "Flexural Behaviour of Hybrid Fibre Reinforced Concrete Beam by Using (LC3) Cement", International Journal of Engineering and Advanced Technology, Vol. 9, Issue 1S4, 2019.

9. Ramesh Babu Chokkalingam, Lavanya B., "Strength Development of Pervious Concrete with various Aggregate/Cement Ratio", International Journal of Innovative Technology and Exploring Engineering, Vol. 9, Issue 2S2, 2019.
10. Suresh Kumar N, Gurupandi M., "Strength Characteristics of High Performance Lime Calcined Clay Cement (LC3) Concrete", International Journal of Civil Engineering and Technology, Volume 9, Issue 13, 1883-1889.

ENVIRONMENTAL ENGINEERING

1. Ariffa Parakath, A., Neelakantan, T.R. "Analysis of resilience performance of water distribution network", Lecture Notes in Civil Engineering, Volume 78, 2021, pp. 261-267.
2. Neelakantan, T.R., Rohini, K. "Simplified Pressure-Driven Analysis of Water Distribution Network and Resilience Estimation", Journal of Water Resources Planning and Management, 2021, 147(3), 06021002.
3. Malathy, A., Selvapalam, N., Vanitha, S., Sivapragasam, C. "Study on effect of aeration time on methylene blue removal using titanium dioxide", IOP conference series: Materials science and Engineering, Volume 872, Issue 1, 012185, 2020.
4. Sivapragasam, C., Malathy, A., Ishwarya, D., Saravanan, P., Balamurali, S. "Modelling the elements of flash flood hydrograph using genetic programming", Indian Journal of Geo-marine sciences, Volume 49, Issue 6, pp. 1031-1038.
5. Shivani, M., Vanitha, S. "Removal of organics in crepe cotton wastewater using aerobic biodegradation", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012184
6. Mahalakshmi R, Sivapragasam C and Vanitha S., "Comparison of BOD5 Removal in Water Hyacinth and Duckweed by Genetic Programming", International Conference on Information and Communication Technology for Intelligent Systems, Smart Innovation Systems and Technologies, volume 106, pp. 401-408, 2019.
7. S Yuvedha, U Yoganandhan and NVN Nampootheri., "Quantitative Analysis of micro plastics in wastewater from treatment plant by visual identification and

- FTIR imaging using H₂O₂ and Fe₂SO₄: A case study, IOP Conference Series: Materials Science and Engineering, Volume 561, 2019.
8. S. Rajesh, R. Prem Kumar and Jayadevi N., "Relative Effectiveness of Methane (Biogas) Production from Dry Grass Soaked with Vegetable Waste, Poultry Waste and Cow Dung", Oriental Journal of Chemistry, Volume 35, Issue 2, pp. 732-737, 2019.
 9. S. Vanitha, C. Sivapragasam, K.Rohini, A. Malathy., "Genetic Programming based Modeling Approach for Prediction of Phosphate in Water Hyacinth based Wetland System", International Journal of Innovative Technology and Exploring Engineering, Vol. 9, Issue 2S2, 2019.
 10. Rajesh, S., Sowmiya Lakshmi, Premkumar, R., "Removal of organic pollutants from textile dye wastewater by advanced oxidation process", International Journal of Civil Engineering and Technology, volume 9, Issue 4, 2018, 452-461.
 11. P. Raja Sankar, S. Rajesh., "A Study on Zero Liquid Discharge Plant for Dyeing Industry", International Journal of Scientific Engineering and Research, Vol. 5, Issue 4, 2017.
 12. Sivapragasam C, Vanitha S, NVN Nampoothiri and Mahalakshmi Ram Kumar, "Genetic Programming based mathematical modeling of influence of weather parameters in BOD₅ removal by Lemna minor, Environmental Monitoring Assessment, Vol. 189, 2017, <https://doi.org/10.1007/s10661-017-6337-0>

OTHERS

1. Velumani, P., Mukilan, K., ManikandaPrabhu, P. "Long term preservation of rainwater for the exploitation of potable water", IOP Conference Series: Materials Science and Engineering, 2020, 872(1), 012116
2. Mukilan, K., BalaNivetha, M., Velumani, P., Christopher Gnanaraj, S., "A qualitative study and analysis of causes and disputes in claims in construction industry", International Journal of Civil Engineering and Technology, volume 10, issue 1, pp. 951-957, 2019.
3. Velumani P., Nampoothiri N., Kavithra P., "Predicting the Land Value using Regression Techniques and Artificial Neural Network", International Journal of Engineering and Advanced Technology, Vol. 9, Issue 1S4, 2019.

4. Velumani P., Nampoothiri N., Aparnadevi R., "Prediction of Construction Project Duration and Cost using Earned Value Management", International Journal of Engineering and Advanced Technology, Vol. 9, Issue 1S4, 2019.
5. R. Ramesh Pandi, S. Rajesh and SKM Pothinathan., "Planning and Controlling of Materials Waste in Building Construction – A Regression and Correlation Analysis, International Journal of Science and Engineering Research, Vol. 4, Issue 3, 2016.
6. R. Rajaprabha, P. Velumani and B. Jeyanthi., "Factors affecting the cost of Building Materials in Construction Projects", International Journal of Science and Engineering Research, Volume 4, Issue 4, 2016.