



DEPARTMENT OF CIVIL ENGINEERING

Staff Journal Publications

- **V. Vandhana Devi , C.K. Akhila** “*Resilience to climate change and environmental perturbations – road map for Chennai city, India*” Materials Today Proceedings, 2023.
- **E. Pravin Raaj, K. Bhuvaneshwari,R. Lakshmipathy ,V. Vandhana Devi and Ivan Leandro Rodriguez Rico**, “*Garlic Peel Surface Modification and Fixed-Bed Column Investigations towards Crystal Violet Dye*” Adsorption Science & Technology, 2022.
- **V. Kishor Kumar, N. K. Rajan, V. Vandhana Devi, Gitesh Kaushik** “*Relationship between Gaestel Index and rheology of blended bitumens*” AIP Conference Proceedings, Volume 2452, 2022.
- **Dr. V. Vandhana Devi, Mr. C. Akin**, “*Mitigation of Energy Consumption Impact by Planning and Formulation of Environmental Management System for Indian Infrastructural projects*”, Sustainable Practices and Innovations in Civil Engineering, Volume 79, pp. 133 – 139, Lecture Notes in Civil Engineering, 2020.
- **Dr. V. Vandhana Devi, Mr. V. Kishor Kumar**, “*Effect of Sugarcane Baggase Ash and Cement on the Engineering Properties of Soft Clay Soil*”, International Journal of Advanced Science and Technology, 2020.
- **Ms. P. Kavitha, Dr. V. Vandhana Devi, Mr. M. Pitchi Rajan**, “*Experimental study on effects of reactive RHA and curing conditions on GeoPolymer concrete*”, International Journal of Advance Science and Technology, Vol. 29, No. 10S, (2020), pp. 7181-7191.
- **Dr. Vandhana Devi V, Mr. R. Deepak**, “*Modeling of Tidal Inlet of Pulicat Lagoon*” Indian Journal of Ecology, National (Annexure I), Volume: 46/ Issue: 02/Page No: 391-398/Year: 2019.
- **Dr. Vandhana Devi V, Mr. R. Deepak**, “*Experimental Investigation on concrete with construction demolition waste Fly-Ash Aggregates*”, International Journal of Recent Innovation in Engineering and Research, Volume: 03/ Issue: 03/Page No: 56 - 61/Year: 2019.
- **Dr. Vandhana Devi V**, “*Spatial Assessment of Water Quality in Kondurupalem Lagoon Inlet, Southern East Coast of India*”, Indian Journal of Ecology, National (Annexure I), Volume: 44/ Issue: 04/Page No: 687-696/Year: 2017, CiteScore: 0.1, SJR: 0.19, SNIP: 0.691, Impact Factor: 1.88.
- **Dr. Vandhana Devi V, Mr. J. John Alexander** “*Study on the Assessment of Vehicular Emissions on Urban Air Quality and its Mitigation Measures*”, International Journal of Recent Innovation in engineering and Research, Aug 2017.



DEPARTMENT OF CIVIL ENGINEERING

- **Dr. Vandhana Devi V, Dr. P S Aravind Raj, Ms. F. S. Frieda**, “*Analytical Study on Improved Connection System for Steel Concrete Composite Column and Reinforced Concrete Beam*”, International Journal of Pure and Applied Mathematics, Acad publishers Volume: 118/24/online version/ 2018, CiteScore:0.23, SJR:0.253, SNIP:0.388, Impact Factor: 7.19.
- **Mr. C Akin, Dr. Vandhana Devi V**, “*Mitigation of Energy conservation impact by Planning and formulation of Environmental Management System for Indian Infrastructure Projects*”, Lecture notes in Civil Engineering, 2019.
- **Mr. V.Kishor Kumar**, “*Performance of anchor in sand with different forms of geosynthetic reinforcement*”, ICE Publishing is a division of Thomas Telford Ltd, the commercial arm of the Institution of Civil Engineers, 2020.
- **Dr. P S Aravind Raj**, “*Study on Finite Element Analysis of Reinforced Concrete Beams with GGBS using ANSYS*”, International Journal on Pure and Applied Mathematics, Volume: 118/5/881-887/2018, CiteScore:0.23, SJR:0.253, SNIP:0.388, Impact Factor: 7.19.
- **Dr. Aravind Raj P S**, “*Experimental study on encased CFST column and reinforced concrete beam joint with steel cage*”, International Journal of Chemical Sciences, Indian Academy of Sciences, Volume: 14/issue: 01/ Page:1-9/Year: 2016, CiteScore:0.17, SJR:0.229, SNIP:0.376, Impact Factor: 0.6.
- **Ms. Y. Rekha**, “*Impact of Urbanization on water bodies – Chennai*”, International Journal of Advanced Information and Communication, Vol 4, Issue 11, ISSN 2348- 9928, pp 1370-1375, March 2018.
- **Ms. Rekha Y**, “*Harvesting Condensate into Portable water*”, International Journal of Advanced Science and Technology, Volume 2, No.7 (2020), 13344 -13348
- **Mr. R. Deepak, Dr. Vandhana Devi V**, “*Experimental Investigation on Concrete with Construction Demolition Waste Flyash Aggregates*”, International Journal of Recent Innovation in Engineering and Research Publication. ISSN 2456-2084, March 2018.
- **Mr. R. Deepak**, “*Durability Studies On High Strength Self Compacting Concrete (SCC)*”, International Journal of Advances In Engineering Research. Volume: 11/ issue: 4/ Page:7-20/ Year: 2016.
- **Mr. R. Deepak**, “*Flexural Behavior Of Hybrid Fibre Reinforced Concrete Beams Under Cyclic loading*”, International Journal Of Advances In Engineering Research, Volume: 11/ Issue: 4/ page: 27-33/ Year: 2016.



DEPARTMENT OF CIVIL ENGINEERING

- **Ms. F. S. Frieda**, “*Reinforced Concrete Beam with Light Weight blocks and Steel Fibre added below Neutral Axis*”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 9, Issue. 2, pp. 4214-4218, Year - 2019, Blue Eyes Intelligence Engineering & Sciences Publication.
- **Ms. F.S.Frieda**, “*An Experimental Study On Properties of Pervious Concrete*” , International Journal Of Advances In Engineering Research, Volume: 11/ issue:3/ Page: 50-63/Year: 2016.
- **Ms. F.S.Frieda**, “*Numerical simulation and experimental investigation on seismic performance of composite structural connection of encased CFST column and reinforced concrete beam with steel ring*”, The Open Construction & Building Technology Journal, Vol.14 (2020), pp. 309-320, Bentham Publisher.
- **Ms. F.S.Frieda, Ms. V. Sherin, Ms. M. Kalaivani**, “*Experimental investigation on traffic congestion control and maintenance system using internet of things*”, AIP Conference Proceedings, 2271, 030007-1–030007-6, AIP Publishing, 2020.
- **Ms. P Kavitha, Mr. J John Alexander, Ms. Ann Mary Mathew**, “*An analytical study on high performance concrete incorporated with industrial by- products*” International Journal of Pure and Applied Mathematics, Acad publishers , Volume: 118/24/online version/ 2018, CiteScore:0.23, SJR:0.253, SNIP:0.388, Impact Factor: 7.19.
- **Ms. P. Kavitha**, “*A parametric study on the flexural behaviour of high performance concrete beams by industrial by-products*”, Elixir Civil Engineering journal, Elixir Publications, Volume: 120/-/51208-51211/2018.
- **Ms. P. Kavitha**, “*Experimental study on SCC with recycled aggregate and flyash*”, International Journal of Research in Engineering and Technology, Volume: 05/ Issue: 20/ Page: 323-329/ Year: 2016, CiteScore:0.17, SJR:0.229, SNIP:0.376, Impact Factor: 0.6.
- **Ms. P. Kavitha**, “*Enhancing the performance of Recycled Coarse Aggregate Concrete through the use of Supplementary Cementing material*”, International Journal of Advanced Science and Technology, 2020.
- **Ms. V. Sherin**, “*Finite Element Analysis on the Mechanical Behaviour of High Strength Rubberized Concrete*”, Journal of Seybold Report, Volume 15 Issue 9 2020, Seybold Publications.
- **Ms. V. Sherin, Ms. M. Kalaivani**, “*Compression Behaviour of Self Compacting Concrete Columns using High Strength Steel Wires as External Confinement*”, Volume 9, Issue 11, November 2018, pp. 1692–1699, ISSN Print: 0976-6308 and ISSN Online: 0976-6316.