



DEPARTMENT OF CIVIL ENGINEERING
LIST OF PUBLICATIONS

| S. No. | Name of the Faculty | Title of the paper | Name of the Journal | Vol No. | Issue No. | Page No. | Month & Year | Indexed in |
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| 1. | Kumutha Rathinam Vijai Kanagarajan | A Study on flexural behaviour of ferrocement slabs using foamed concrete | International Journal of Structural Engineering | 13 | 1 | 63 - 79 | January 2023 | ESCI / Scopus |
| 2. | R. Mahesha R. Suprabha S. Thenmozhi V. Gowri Chirumamill Mallika Chowdary V. Savithiri B. V. V. L. Kala Bharathi Ram Subbiah Ishwarya Komalnu Raghavan | Optimizing the Parameters of Zirconium Carbide and Rice Husk Ash Reinforced with AA 2618 Composites | Advances in Materials Science and Engineering | 2022 | -- | 1-11 | September 2022 | SCIE / Scopus |
| 3. | Adlin Rose R Raahul M N Nirmal D Harini P Kiruthika R Prem Kumar M Naresh R | Experimental, Numerical and Microscopic Analysis of Contaminated Clay with Precipitated Silica | Silicon | | | Online first | September 2022 | SCIE / Scopus |
| 4. | Kumutha Rathinam Vijai Kanagarajan | Behaviour of Fly ash and GGBS based Monoblock Prestressed Geopolymer Concrete Composite sleepers | Materials Today : Proceedings | 65 | 8 | 3321-3327 | August 2022 | SCIE / Scopus |
| 5. | Shalini Annadurai Prabu Baskar Elango K.S. Vijai Kanagarajan | Strength, Durability and microstructural properties of Geopolymer Concrete: a review | Indian Concrete Journal | 96 | 6 | 41-58 | June 2022 | Scopus |

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| 6. | Shalini Annadurai Kumutha Rathinam Vijai Kanagarajan | An Experimental Study on Strength and Durability Properties for Utilization of Rice Husk Ash (RHA) in Geopolymer Concrete | Sustainable Building Materials and Construction part of Springer's Lecture notes in Civil Engineering (BOOK CHAPTER) | 222 | - | 87 - 95 | May 2022 | Scopus |
| 7. | Banupriya, S Balaji, P. Sri Chakravarthy, P. R. Kalyana Suresh, S. Sivaganesan, S | Analyse and investigate the geopolymer based concrete | Materials Today : Proceedings | 60 | 6 | 1487 - 1490 | May 2022 | SCIE / Scopus |
| 8. | Adlin Rose R Subramanian, M. Elakkiyadasan, R. Siva, M. Kumar, P. Manoj | Strength characteristics of sand modified with keratinous chicken feather fiber | Materials Today : Proceedings | 62 | 6 | 3935 - 3939 | April 2022 | SCIE / Scopus |
| 9. | Anitha, R. Nivedhitha Janani,R. Banupriya, S. | The effective utilization of construction materials | Materials Today : Proceedings | 52 | 3 | 1852 - 1854 | March 2022 | SCIE / Scopus |
| 10. | Karthikeyan Ganesan Vijai Kanagarajan Jerlin Regin Joseph Dominic | Influence of marine sand as fine aggregate on mechanical and durability properties of cement mortar and concrete | Materials Research Express | 9 | 3 | 1-21 | March 2022 | SCIE / Scopus |
| 11. | R.Kumutha K.Vijai S.K.Vinu | Compressive Strength of Ternary Blended Geopolymer Concrete Composites | Electronic Journal of Structural Engineering | 21 | 1 | 10-18 | Nov 2021 | ESCI / Scopus |
| 12. | P Balamadeswaran J Karthik Ruthra Ramakrishnan K Manikanda Bharath | Impact of COVID-19 outbreak on tropospheric NO ₂ pollution assessed using Satellite-ground perspectives observations in India | Modelling Earth Systems and Environment | 8 | - | 1645 - 1655 | May 2021 | ESCI / Scopus |
| 13. | Manikanda Bharath K Usha Natesan Vaikunth R Praveen Kumar R Ruthra R Srinivasalu S | Spatial distribution of microplastic concentration around landfill sites and its potential risk on groundwater | Chemosphere | 277 | - | 1 - 12 | March 2021 | SCIE / Scopus |

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| 14. | Adlin Rose R Jain, B. Preethi Ramya, D. Nilaa, M. | Performance of Contaminated Soil Blended with Sodium Silicate | Silicon | 13 | 1 | 599–603 | Feb 2021 | SCIE / Scopus |
| 15. | P. R. Kalyana Chakravarthy S. Banupriya T. Ilango | Soil stabilization using raw plastic bottle | AIP Conference Proceedings | 2283 | 1 | 020114-1 to 020114-11 | Oct 2020 | Web of Science |
| 16. | P.Padmapriya K.M.Kumar | Productivity and Bioenergy potential assessment of Microalgae from Waste stabilization ponds | Materials Science and Engineering | 23 | 1206 4 | 1-14 | Oct 2020 | Scopus |
| 17. | P.Padmapriya D.Benny Hinn S.Vishaal | Treatment of Tannery Effluent using Strychnos Potatorum. | International Journal for Science and advance research in Technology | 6 | 10 | 210-217 | Oct 2020 | -- |
| 18. | Kumutha Rathinam Vijai Kanagarajan Sara Banu | Evaluation of protective coatings for geopolymers mortar under aggressive environment | Advances in Materials Research, an International Journal | 9 | 3 | 219-231 | Sept 2020 | ESCI |
| 19. | A. K. Raj Kumar R. Pradeep P. Padmapriya | Utilization of Paper waste for the Production of Fertilizer | International Journal of Innovative Research in Science, Engineering and Technology | 9 | 6 | 4257-4264 | June 2020 | -- |
| 20. | P.Padmapriya D.Benny Hinn S.Vishaal | Treatment of Secondary treated sewage by Electrolytic Method | International Journal of Innovative Research in Science, Engineering and Technology | 9 | 6 | 4174-4181 | June 2020 | -- |
| 21. | S. Thangaperumal A.M. Jagadish S. Sriram | Watershed Delineation of Rivers in Karaikal District using Remote Sensing and GIS Technique | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 9 | 7 | 237-242 | May 2020 | -- |
| 22. | S.Thangaperumal Cyril Magimai Antoz A Shivaharan R | Marina Shoreline Change Detection Using Remote Sensing and GIS | International Journal of Civil Engineering & Technology (IJCIET) | 11 | 3 | 85-96 | Mar 2020 | -- |
| 23. | P.Sri Balaji S.Banupriya R.Ruthra | Effect of Natural Fibers Composites as Soil Stabilizer on Flexible Pavement Design | International Journal of Innovative Technology and Exploring Engineering | 9 | 5 | 1953-1956 | Mar 2020 | -- |

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| 24. | Ruthra Ramakrishnan K Manisha G Dharsiha | Utilisation of Seasand as Partial Replacement of Fine Aggregate to strengthen the Concrete | International Journal of Innovative Technology and Exploring Engineering | 9 | 5 | 891-894 | Mar 2020 | -- |
| 25. | Thangaperumal.S Muthu Maneckam.N Nachiappan.G | Urban Growth Assessment of Chennai District by Remote Sensing and GIS Techniques | International Journal of Recent Technology and Engineering (IJRTE) | 8 | 6 | 5119-5125 | Mar 2020 | -- |
| 26. | Shalini Annadurai Kumutha Rathinam Vijai Kanagarajan | Development of Eco-Friendly Concrete produced with Rice Husk Ash (RHA) based Geopolymer | Advances in Concrete Construction | 9 | 2 | 139-147 | Feb 2020 | SCIE / Scopus |
| 27. | S.Supriya P.Padmapriya | Experimental Investigation on Concrete with Replacement of Coconut Shell as a Fine Aggregate | International Journal of Innovative Research in Science, Engineering and Technology | 8 | 11 | 11339 - 11344 | Nov 2019 | -- |
| 28. | Prabu Baskar Kumutha Rathinam Vijai Kanagarajan | Effect of Aspect ratio and Volume Fraction of Steel Fibers in Strength Properties of Geopolymer Concrete | International Journal of Innovative Technology and Exploring Engineering | 9 | 1 | 3314-3320 | Nov 2019 | Scopus |
| 29. | Adlin Rose R Kumar, N. S. Kishore Raja, S. | Engineering Behavior of Dredged Soil with Precipitated Silica | Silicon | 11 | 1 | 521 - 524 | Feb 2019 | SCIE / Scopus |
| 30. | Heltin Genitha Cyril Indhumathi Muthaia | A Hybrid Approach to Super Resolution Mapping for Water-Spread Area and Capacity Estimation of Reservoir Using Satellite Image (India) | Advances in Remote Sensing and Geo Informatics Applications part of Advances in Science, Technology & Innovation book series | -- | -- | 65 - 68 | Dec 2018 | Scopus |
| 31. | S. Thangaperumal G. Devendran T. Arunkumar | Land use change analysis using remote sensing technique in Sholinganallur, Chennai, India | International Journal of Civil Engineering and Technology | 9 | 4 | 339 - 348 | April 2018 | Scopus |