

**PUBLICATIONS IN SCOPUS/ THOMSON REUTERS INDEXED JOURNALS/
BOOK CHAPTERS**

ACADEMIC YEAR 2021-22

1. **Civil/2021-22/IJP/1:** Sajid Ali, Sivakumar, N., Mahalingam, B., (2021), "State of the Art Review on Prescriptive & Performance Based Approaches for Concrete Durability", International Journal Of Sustainable Construction Engineering And Technology, Vol. 12 No. 2, pp. 80-88.
2. **Civil/2021-22/IJP/2:** Vijayalakshmi, R., (2021), "Recent studies on the properties of pervious concrete; A sustainable solution for pavements and water treatment", Civil and Environmental Engineering Reports, Vol. 31, No. 3, pp. 54–84.
3. **Civil/2021-22/IJP/3:** James, J., Sivapriya, S.V., Ali, S.; Madhu, T.R., Singh, B., (2021), "Wetting and Drying Resistance of Lime-Stabilized Expansive Soils Modified with Nano-Alumina", Electronic Journal of the Faculty of Civil Engineering Osijek-e-GFOS, Vol. 22, pp. 70-80, <https://doi.org/10.13167/2021.22.6>
4. **Civil/2021-22/IJP/4:** Nahushananda Chakravarthy, Sivakumar Naganathan, Sreedhar Kalavagunta, Kamal Nasharuddin Bin Mustapha. Structural Performance of Experimentally Investigated CFRP-Strengthened Cold-formed Steel Built-Up Columns. Iranian Journal of Science and Technology, Transactions of Civil Engineering, July 2021. <https://doi.org/10.1007/s40996-021-00706-8>
5. **Civil/2021-22/IJP/5:** P.Sangeetha, R.Sundareswaran, M.Shanmugapriya, S.Srinidhi & K.Sowmya(2021), " Influential nodes in planar trusses and meshes using centrality measures", Materials Today : Proceedings, Vol.42, No.2, pp. 932-939.
6. **Civil/2021-22/IJP/6:** James, J., Arthi, C., Balaji, G., Chandralekha, N., Naveen Kumar, R. H. M., Lime activated flyash-phosphogypsum blend as a low-cost alternative binder. International Journal of Environmental Science and Technology (2021). <https://doi.org/10.1007/s13762-021-03618-2>
7. **Civil/2021-22/IJP/7:** S. V. Sivapriya, S. Sadhana, N. Prathibha and S. Saranya, Pipe bridge design optimization through a comparative study of truss and girder arrangements, Revista Facultad de Ingenieria, Universidad de Antioquia, No. Nil, September (2021). <https://doi.org/10.17533/udea.redin.20210957>.
8. **Civil/2021-22/IJP/8:** Sathia, R., Vijayalakshmi, R., (2021), "Fresh and Mechanical property of Caryota Urens Fiber reinforced flowable concrete" Journal of Materials Research and Technology, ISSN: 2238-7854, Vol.15, pp. 3647-3662.
9. **Civil/2021-22/IJP/9:** Sivapriya S.V., Madhu T.R and Sajid Ali (2021), "Load - Penetration behaviour of composite soil with nano - alumina material under soaked and unsoaked condition", Ground characterisation and foundations, Lecture notes in Civil Engineering, Scopus Vol. 1, pp. 253 - 259, doi.org/10.1007/978-981-16-3383-6_23
10. **Civil/2021-22/IJP/10:** Sivapriya S.V., and Gandhi S.R (2021), "A numerical study about the development of stresses zone around single pile when moved away from the crest of the slope under static lateral load", Ground characterisation and foundations, Lecture notes in Civil Engineering, Scopus Vol. 1, pp.677 -682, doi.org/10.1007/978-981-16-3383-6_59

11. **Civil/2021-22/IJP/11:** Sangeetha, P, Dinesh Kumar, P, Sai Sahith, I & Ajaykumar, A (2021), "Experimental Investigation on the Cold – Formed Steel – Concrete Composite Beam Under Flexure", *Journal of Materials and Engineering Structures*, Vol. 8, pp. 135-142.
12. **Civil/2021-22/IJP/12:** Sangeetha, P, Ramanagopal S, Manjula, R & Hema Naga Sri Pushpa Swetha T (2021), "Experimental and Analytical Study on the Impact Behaviour of Steel-Concrete Composite Slab", *Electronic Journal of the Faculty of Civil Engineering*, Vol. 22, pp. 1-13.
13. **Civil/2021-22/IJP/13:** Sivapriya S.V, Harish Kumar.M and Hariraj M.J (2021), "Assessing the retaining wall movement through finite element analysis for sustainable materials as a backfill material", *AIP Conference Proceedings*, 2395, <https://doi.org/10.1063/5.0068215>.
14. **Civil/2021-22/IJP/14:** Harika Madireddy, Sivakumar Naganathan, and B. Mahalingam. A Review on Precast Concrete Construction, Sustainable Practices and Innovations in Civil Engineering, *Lecture Notes in Civil Engineering Vol 179* published by Springer (SCOPUS) (Dec 2021), ISBN 978-981-16-5040-6, pp77-113.
15. **Civil/2021-22/IJP/15:** Salmia Beddu, Amalina Basri, Daud Mohamad, Nur Liyana Mohd Kamal, Nur Farhana, Zakaria Che Muda, Zarina Itam, Sivakumar Naganathan, Siti Asmahani Saad, and Teh Sabariah. Thermal Properties of Concrete Containing Cenosphere and Phase Change Materials. *Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering Vol 179* published by Springer (SCOPUS) (Dec 2021), ISBN 978-981-16-5040-6, pp143-154.
16. **Civil/2021-22/IJP/16:** R. Vijayalakshmi, Sivakumar Naganathan and S. Ramanagopal, "Study on the compressive strength and water absorption characteristics of Mortar blocks with cenosphere as partial replacement of Cement" *Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering Vol 179* published by Springer (SCOPUS) (Dec 2021), ISBN 978-981-16-5040-6, pp77-113.
17. **Civil/2021-22/IJP/17:** P. Sabarinathan, V. E. Annamalai and P. Sangeetha (2021), "Mechanical and Abrasion Resistance Properties of Concrete Containing Recycled Abrasive Waste as Partial Replacement of Fine Aggregate", *Arabian Journal for Science and Engineering*, Vol. 46, pp.10943–10952.
18. **Civil/2021-22/IJP/18:** Aswin Sriram and Ganapathiraman Swaminathan, *Vehicular Relaxation and Amphan Cyclone: Is it a double threat to India towards combat of Covid - 19*, ISSN 0253-7141, Vol 41, No. 11, pp 1203-1209.
19. **Civil/2021-22/IJP/19:** Sivapriya S.V (2022), "Single and Group Static Laterally Loaded Vertical Pile in Horizontal and Sloping Ground—A Review", *Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering*,167-181. DOI :https://doi.org/10.1007/978-981-16-5041-3_13
20. **Civil/2021-22/IJP/20:** Sivapriya S.V A. D. Abithoo Dass, A. Bargavi, R. LakshmiPriya, and S. Nandhini (2022), "Seismic Analysis of Hypar Shell Foundation in Sandy Soil", *Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering*,161 -166. DOI: https://doi.org/10.1007/978-981-16-5041-3_12

21. **Civil/2021-22/IJP/21:** Sivapriya S.V and Anne Sherin.A (2022), "Causes and Consequences of Dam Failures - Case Study", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 155 - 159. DOI: https://doi.org/10.1007/978-981-16-5041-3_11.
22. **Civil/2021-22/IJP/22:** Jijo James (2022), " Characterization and Valorization of Sugarcane Press Mud in Civil Engineering Applications", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 219-234. DOI: https://doi.org/10.1007/978-981-16-5041-3_17
23. **Civil/2021-22/IJP/23:** P. Sabareeshwaran, S. Tharanyaa, B. Mahalingam, and M. Kavitha (2022), "A Study of Environmental Management of Construction and Demolition Waste", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 235-250. DOI: https://doi.org/10.1007/978-981-16-5041-3_18
24. **Civil/2021-22/IJP/24:** P. Sangeetha, M. Dhinakaran, A. S. Gobinaath, R. S. Saravana Kumar, and A. D. Jeevan Raj (2022), "Performance Assessment of the Perforated CFS Unlipped and Lipped Channel Section Under Compression", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 265-278. DOI: https://doi.org/10.1007/978-981-16-5041-3_20
25. **Civil/2021-22/IJP/25:** T. Pauline, G. Janardhanan, P. Sangeetha, and V. Ashok (2022), "Retrofitting of Exterior Beam-Column Joint—A Review", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 279-290. DOI: https://doi.org/10.1007/978-981-16-5041-3_21
26. **Civil/2021-22/IJP/26:** S. N. Vinothni and P. Sangeetha (2022), "Space Frame Structure as Roof and Floor System—A Review", Sustainable Practices and Innovations in Civil Engineering, Lecture Notes in Civil Engineering, 291-298. DOI: https://doi.org/10.1007/978-981-16-5041-3_22
27. **Civil/2021-22/IJP/27:** Sabapathy Y.K, Vishnu Aravind G, Sathya Shree T R and Shaleni Elam Thendral A., (2022), "Study on Properties of Translucent Concrete and Mortar for Natural Lighting Inside Buildings" Indian Journal of Natural Science, Vol.12, Issue 70, (pp 38257-38265) February 2022, ISSN: 0976 – 0997.
28. **Civil/2021-22/IJP/28:** **Sangeetha Palanivelu**, Dhinakaran Moorthy, Gobinaath Subramani, Jeevan Raj Dhayanithi (2021), "Strength enhancement of cold-formed steel tubular column using GFRP strip subjected to axial compression", Building Materials and Structures, Vol. 64, pp. 251–260.
29. **Civil/2021-22/IJP/29:** Jijo James, Akilan Gunaselvi Selvam, Krishna Khumaar Annamalai, Vishal Mari Muthu, Vishnu Varadhan Srinivasan, Sooraj Kolamurugan, (2022), "Strength and Durability of Cement Stabilized Expansive Soil Amended with Sugarcane Press Mud", Civil and Environmental Engineering Reports, vol. 32, no. 1, pp. 138-151, doi: 10.2478/ceer-2022-0008.
30. **Civil/2021-22/IJP/30:** Vijayalakshmi, R., Keerthika Ramesh, Modhagapriyan, A., and Vaishnavi M., (2022), "Effect of natural fish tail palm fiber on the workability and mechanical properties of fiber reinforced concrete", Gradevinski Materijali i Konstrukcije, Vol. 65, No. 1, pp. 7 - 22.
31. **Civil/2021-22/IJP/31:** Vijayalakshmi, R., Ramesh, K., Duraipandi, M., Jayseh, U. and Kupusamy, S. (2022). Water absorbing polymer balls as internal water curing agent in concrete to support hydration reaction. Revista de la Construcción. Journal of Construction, 21(1), 83-92. <https://doi.org/10.7764/RDLC.21.1.83>.

32. **Civil/2021-22/IJP/32:** S.Arunthathi, S.V.Sivapriya and D.Balaji ., (2022) "Assessing the compaction characteristics of modified soil with Incinerated municipal solid waste", Materials today proceedings, DOI : 10.1016/j.matpr.2022.03.624.
33. **Civil/2021-22/IJP/33:** James, J., Sivapriya, S.V., **2022**, "Load-Settlement Behaviour of Stone Column with Varied Spacing", In: Das, B.B., Gomez, C.P., Mohapatra, B.G. (eds) Recent Developments in Sustainable Infrastructure (ICRDSI-2020)—Structure and Construction Management. Lecture Notes in Civil Engineering, vol 221. Springer, Singapore. https://doi.org/10.1007/978-981-16-8433-3_4.
34. **Civil/2021-22/IJP/34:** James, J., R. Roshna, S. Santhiya, **2022**, "Cashew nut shell ash as a supplementary additive in lime stabilized expansive soil composites", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.03.627>
35. **Civil/2021-22/IJP/35:** Mohammed Jalal Abdullah, Salmia Beddu, Teh Sabariah Binti Abd Manan, Agusril Syamsir, **Sivakumar Naganathan**, Nur Liyana Mohd Kamal, Daud Mohamad, Zarina Itam, Hooi Min Yee, Md Fauzan Kamal Mohd Yapandi, Fadzli Mohamed Nazri, Nasir Shafiq, Mohamed Hasnain Isa, Amirrudin Ahmad, Nadiah Wan Rasdi (2022)."The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregate from Well-Graded Bottom Ash (BA) as Partial Sand Replacement". Construction and Building Materials 339 (2022) 127658. [Scopus and TR].
36. **Civil/2021-22/IJP/36:** Nahushananda Chakravarthy H G, Jahnavi S J, **Sivakumar Naganathan**. (2022). "Numerical Studies on CFRP Strengthened Cold formed Steel built-up Columns", International Journal of Sustainable Construction Engineering and Technology, VOL. 13 NO. 1 (2022) 264-272. [Scopus and clarivate]
37. **Civil/2021-22/IJP/37:** **P. Sangeetha**, M. Shanmugapriya, K. Santhosh Saravanan, P. Prabhakaran & V. Shashankar (2022), "Mechanical properties of concrete with seashell waste as partial replacement of cement and aggregate", Materials Today Proceedings, Vol. 61, pp.320-326.
38. **Civil/2021-22/IJP/38:** Vijaya Ravichandran, A. S. Kiran, **S. V. Sivapriya**, S. Muthukrishna Babu, E. Chandrasekaran, R. Ramesh, A. Vadivelan, V. Doss Prakash, M. V. Ramanamurthy, M. A. Atamanad, G. Ramadass "Field testing of suction pile pullout capacity in softmarine clay in nearshore waters" in *OCEANS 2022 - Chennai*, 2022, pp. 1-7, doi: 10.1109/OCEANSCennai45887.2022.9775313. (Scopus)
39. **Civil/2021-22/IJP/39:** **Vijayalakshmi,R.**, Vaishnavi, M., and Geetha. R (2022), "study on the workability, mechanical properties of fish tail palm fiber reinforced concrete - emphasis on fibre content and fibre length", European journal of environmental and civil engineering, DOI: 10.1080/19648189.2022.2086178
40. **Civil/2021-22/IJP/40:** **P. Sangeetha**, M. Shanmugapriya , R. Manjula , Aparna P. Vijay & K. Sooraj, (2022), "Study the effect of intermediate and closer stiffener on the behaviour of the cold - formed steel lipped channel section under axial compression", Journal of Materials and Engineering Structures, Vol. 9, pp. 49–60.
41. **Civil/2021-22/IJP/41:** **Sivapriya S.V., Jijo James**, Yuvaraj Karunanithi, Sushritha Gunipati, (2022), "Durability performance of a lime stabilized expansive soil with egg shell ash as a subsidiary admixture", Building Materials and Structures, Vol. 65, No. 2, pp. 65-71, 10.5937/GRMK2202065V.