Dr. S. Thirugnanasambandam – Last 5 years publication list

Book Chapters Published :

1. **Thirugnanasambandam S.**, Antony Jeyasehar C. (2019) Ambient Cured Geopolymer Concrete Products. In: Das B., Neithalath N. (eds) Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering, Vol. 25. Springer, Singapore.
2. Dhavamani Doss Sakthidoss, **Thirugnanasambandam Senniappan** (2020) Development of Eco-friendly Geopolymer Concrete Using M-Sand. In: Drück H., Mathur J., Panthalookaran V., Sreekumar V. (eds), "Green Buildings and Sustainable Engineering". Springer Transactions in Civil and Environmental Engineering. Springer, Singapore.
3. Dhavamani Doss Sakthidoss, **Thirugnanasambandam Senniappan** (2020), "Development of Eco-friendly Alkaine Activated Concrete." L.-J. Yang et al. (eds.), Proceedings of ICDMC 2019, Design, Materials, Cryogenics and Constructions, Springer Nature Singapore Pte Ltd. https://doi.org/10.1007/978-981-15-3631-1_12. ISBN 978-981-15-3630-4 ISBN 978-981-15-3631-1 (eBook)

List of papers published in Journals (2016 – 2020)

1. R. Balamuralikrishnan, **S. Thirugnanasambandam**, "Repair and Rehabilitation of Structures", International Journal of Applied Research, Vol.2, No.8, Part I, pp 558-564, P-ISSN: 2394-7500, E-ISSN: 2394-5869, 2016.
2. S. Annamalai, **S. Thirugnanasambandam**, K. Muthumani, "Flexural Behaviour of Geopolymer Concrete Beams Cured Under Ambient Temperature", Asian Journal of Civil Engineering (BHRC), Vol.18, No.4, pp. 621-631, P- ISSN: 1563-0854, E-ISSN: 1744-9952, 2017.
3. R. Anu, **S.Thirugnanasambandam**," Geopolymer Bricks", International Journal of Engineering and AdvancedEngineering, Vol. 8, No.6, pp 124-131, ISSN: 2250-2459, 2018.
4. N. Suganya, **S. Thirugnanasambandam**, "Steel Slag as Coarse Aggregate in Concrete", International Journal of Engineering and AdvancedEngineering, Vol. 8, No.6, pp 137-141, ISSN: 2250-2459, 2018.
5. S. Dhavamani Doss, **S. Thirugnanasambandam**, "Geopolymer Concrete – An alternative to Cement Concrete: A Review", International Journal of Engineering and AdvancedEngineering, Vol. 8, No.6, pp 124-131, ISSN: 2250-2459, 2018.

6. S. Kumaravel, S. Selvamuthukumar **S. Thirugnanasambandam**, "Long – Term Strength of Geopolymer Concrete", Journal of Emerging Technologies and Innovative Research (JETIR),Vol. 5, issue 11, pp 334 - 337, ISSN No. 2349-5162, 2018.
7. Parthiban. B, **S. Thirugnanasambandam**, "Eco-friendly Geopolymer concrete using recycled waste glass as fine aggregate", International Journal of Recent Scientific Research, Vol. 9, Issue 11 (c), pp 29660 – 29664, ISSN: 0976-3031, 2018.
8. Parthiban. B, **S. Thirugnanasambandam**, "Durability study on Eco-friendly Geopolymer concrete using recycled waste glass as aggregate", International Journal for Research in Applied Science & Engineering Technology, Vol. 6, Issue XI, pp 147 - 151, ISSN: 2321-9653, 2018.
9. Parthiban. B, S**. Thirugnanasambandam**, "Study on Recycled Waste Glass Fine Aggregate", International Journal of Engineering Science Invention, Vol. 7, Issue 10, pp 23 – 28, ISSN (Online): 2319-6734, ISSN (Print): 2319-6726, 2018.
10. Parthiban. B, **S. Thirugnanasambandam**, "Using recycled waste glass as coarse aggregate in concrete", Journal of Emerging Technologies and Innovative Research, Vol. 5, Issue 9, pp 409 – 415, ISSN No. 2349-5162, 2018.
11. N. Suganya, **S. Thirugnanasambandam**, "Geopolymer Concrete using Scrap Steel Slag as Coarse Aggregate", International Journal for Research in Applied Science and Engineering Technology, Vol. 7, issue 1, pp 781- 785 ISSN No. 2321-9653, 2019.
12. Parthiban. B, **S. Thirugnanasambandam**, "Study on Duraability Characteristics of Recycled Waste Glass as Coarse Aggregate in Concrete", International Journal of Research And Analytical Reviews (Ijrar),Vol. 6, Issue 1, pp 1027 - 1032, E-ISSN No. 2349 – 5138, P-ISSN N0. 2349-5138, 2019.
13. Parthiban. B, **S. Thirugnanasambandam**, "Durability Study on Recycled Waste Glass Fine Aggregate Concrete", Journal of Emerging Technologies and Innovative Research (JETIR),Vol. 6, Issue 1, pp 763 - 768, ISSN No. 2349-5162, 2019.
14. Parthiban. B, **S. Thirugnanasambandam**, "Durability Aspects of Recycled Waste Glass Fine Aggregate In Geopolymer Concrete", International Journal for Research in Applied Science & Engineering Technology, Vol. 7, Issue 1, pp 569 - 575, ISSN : 2321-9653, 2019.
15. N. Suganya, **S. Thirugnanasambandam**, "Experimental Investigation on Low Calcium Fly Ash based Geopolymer Concrete using Steel Slag as Coarse Aggregate", Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 6, issue 2, ISSN No. 2349-5162, 2019.

16. R. Raghulkumar, **S.Thirugnanasambandam**," Study on Conventional and Geopolymer Bricks", Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 6, issue 2, pp 370-375, ISSN No. 2349-5162, 2019.
17. R. Dhinesh, **S.Thirugnanasambandam**," Development of Ambient Cured Geopolymer Concrete ", Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 6, issue 2, pp 376-381, ISSN No. 2349-5162, 2019.
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19. N. Suganya, **S. Thirugnanasambandam**, "Mechanical Properties of Ordinary, Standard and High Strength Concrete using Scrap Steel as Coarse Aggregate", International Journal of Innovative Technology and Exploring Engineering (IJITEE),Vol. 8, issue 5, pp 585- 589, ISSN No. 2278-3075, 2019.
20. S. Dhavamani Doss, **S. Thirugnanasambandam**, "Performance of Ferrogeopolymer Slab Panels", Journal of Emerging Technologies and Innovative Research (JETIR),Vol. 6, issue .4, pp 631-635, ISSN No. 2349-5162, 2019.
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22. R. Anu, **S.Thirugnanasambandam**, " Behaviour of two storey RC Frame subjected to lateral load", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, Issue – 6S4, pp 77-80, ISSN No. 2278-3075, 2019.
23. S. Annamalai, **S. Thirugnanasambandam**, K. Muthumani, "Behaviour of environment friendly green concrete beams using fly ash and furnace slag under cyclic loading", International Journal of Environment and Waste Management, Vol.23, No.4, pp. 396 - 409, ISSN : 1478-9876,2019.
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26. S. Dhavamani Doss, **S. Thirugnanasambandam**, “Study on High Strength Geopolymer Concrete with Alumina – Silica Materials using Manufacturing Sand”, Silicon-Springer, Vol. 12, pp 735 - 746, ISSN No. 1876 - 990X, 2020.
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28. S. Dhavamani Doss, **S. Thirugnanasambandam**, P.Murthi, K.Poongodi “Development of Alkaline Activated High Strength Concrete using Fly Ash – Ground Granulated Blast Furnace Slag – Metakaolin as Binders and Manufacturing Sand as Fine Aggregate”, International Journal of Innovative Technology and Exploring Engineering, Vol. 9, Issue 4,February, pp 903 - 911, ISSN No. 2278-3075, 2020.
29. Manoj. G., **Thirugnanasambandam.S**, “The Review of Geopolymer Concrete Incorporating Nano Particles”, Studies in Indian Place Names, Vol. 40, Issue 74, pp.315-319. ISSN: 2394-3114, March 2020.