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I. JOURNAL PUBLICATION:

1. AC Ganesh, **M Muthukannan**, “Development of High Performance Sustainable Optimized Fiber Reinforced Geopolymer Concrete and Prediction of Compressive Strength” Journal of Cleaner Production, 124543, October 2020. **(SCI Indexed)**
2. Balaji L. and **Muthukannan M**, “Investigation into valuation of land using remote sensing and GIS in Madurai, Tamilnadu, India” , EUROPEAN JOURNAL OF REMOTE SENSING, July 2020. pp 1 -9.2020, **(SCI Indexed)**
3. MV Kumar, **M Muthukannan**, “Investigation of HFRC beams retrofitted using GFRP for enhancement in flexural capacity”, International Journal of Manufacturing Technology and Management 34 (1), 1-24, 2020 **(SCI Indexed)**.
4. Chithambar Ganesh, A., **Muthukannan, M.**, Aakash, S., Prasad, Subramanaian, B, “Energy efficient production of geopolymer bricks using industrial waste”, IOP Conference Series: Materials Science and Engineering 872 (1), 012154. 2020 **(Scopus Indexed)**
5. AS Kumar, **M Muthukannan**, IS Krishna, “Optimisation of bio medical waste ash in GGBS based of geopolymer concrete”, IOP Conference Series: Materials Science and Engineering 872 (1), 012163. 2020, **(Scopus Indexed)**.
6. AC Ganesh, K Sowmiya, **M Muthukannan**, “Investigation on the effect of steel fibers in geopolymer concrete”, IOP Conference Series: Materials Science and Engineering 872 (1), 012156.2020, **(Scopus Indexed)**.
7. AC Ganesh, **M Muthukannan**, M Dhivya, CB Sangeetha, SP Daffodile, “Structural performance of hybrid fiber geopolymer concrete beams”, IOP Conference Series: Materials Science and Engineering 872 (1), 012155. 2020,**(Scopus Indexed)**

8. K Arunkumar, **M Muthukannan**, AD Babu, AL Hariharan, “Effect on addition of Polypropylene fibers in wood ash-fly ash based geopolymer concrete”, IOP Conference Series: Materials Science and Engineering 872 (1), 012162. 2020, (**Scopus Indexed**).
9. BB Winsley, **M Muthukannan**, “Information Security: A Scientometric Study”, Innovations in the Designing and Marketing of Information Services, 231-246, 2020.(**Scopus Indexed**)
10. Chithambar GANESH, **M Muthukannan**, “Investigation on the glass fiber reinforced geopolymer concrete made of M-sand”, Journal of Materials and Engineering Structures, Vol 6, 501-512, 2019.(**Scopus Indexed**)
11. Chithambar Ganesh, **M Muthukannan**, “Experimental Study on the Behaviour of Hybrid Fiber Reinforced Geopolymer Concrete under Ambient Curing Condition”, IOP Conference Series: Materials Science and Engineering, Vol 561, 2019.(**Scopus Indexed**)
12. A.Chithambar Ganesh, **M.Muthukannan**, R.Malathy and C.Ramesh Babu, “An Experimental study on effects of bacterial strain combination in fibre concrete and self healing efficiency”, KSCE Journal of Civil Engineering, 23 (10), 4368-4377, 2019 (**SCI Indexed**)
13. **M.Muthukannan** and Aruna Shankar Chithambar Ganesh, “The Environmental Impact caused by the Ceramic Industries and Assessment Methodologies”, International Journal for Quality Research, Volume 13, Issue 2, 315-334, 2019. (**Scopus Indexed**)
14. **M.Muthukannan** and A.Chithambar Ganesh, “Investigation on the glass fiber reinforced geopolymer concrete made of M-sand”, Journal of Materials and Engineering Structures «JMES», Volume 6, Issue 4, 501-512, 2019. (**Web of Science**)
15. BB Winsley and **M Muthukannan**, “Expanded Fly Ash Clay Aggregate a Sustainable Alternative Coarse Aggregate for Concrete”, Journal of Materials and Engineering Structures «JMES» 5 (4), 347-353 (2018). (**Web of Science**)
16. A Chithambar Ganesh and **M.Muthukannan**, “A review of recent developments in geopolymer concrete”, International Journal of Engineering and Technology(UAE) 7 (4.5), 696-699 (2018). (**Scopus Indexed**)
17. Chithambar Ganesh, A., **Muthukannan, M.**, Rajeswaran, M. and Uma Shankar, “Comparative study on the behaviour of geopolymer concrete using M-sand and conventional concrete exposed to elevated temperature”, International Journal of Civil Engineering and Technology 9 (11), 981–989 (2018). (**Scopus Indexed**)
18. R.KannigaDevi, G.Murugaboopathi and **M.Muthukannan**, “Load Monitoring and System-Traffic-aware Live VM Migration-based Load Balancing in Cloud Data Center using Graph Theoretic Solutions”, Cluster Computing- The Journal of Networks, Software Tools and Applications, Volume 20, Issue 78, pp 1-16, Feb' 2018, **Publisher: Springer, USA (SCIE indexed, IF:2.040)**.

19. J. Bright BrabinWinsley and **M. Muthukannan**, “A Preliminary Study on the Physical Properties of an Alternative Coarse Aggregate Made with Red Soil and Fly Ash” Open Construction and Building Technology Journal, Volume 12 Pages 1-8, 2018 (**Scopus Indexed**)
20. Muthuvel S., S. Saravanasankar, R. Sudhakarapandian and **M. Muthukannan**, “Testing and performance analysis of micro encapsulated Rice bran distilled fatty acid” International Journal of Computer Aided Engineering and Technology (Inder science) , Volume 9, Issue 2, Pages 154-165, 2017 (**Scopus Indexed**)
21. M Vinodkumar and **M Muthukannan**, “Structural behaviour of HFRC beams retrofitted for shear using GFRP laminates” Journal of Computers and Concrete, Volume19, Issue 1 pp 79-85. 2017, **SCI indexed IF 0.813**.
22. MK Haridharan, R BharathiMurugan, C Natarajan and **M Muthukannan**,“Influence of Waste Tyre Crumb Rubber on Compressive Strength, Static Modulus of Elasticity and Flexural Strength of Concrete” IOP Conference Series: Earth and Environmental Science, Volume 80, Issue 1, pp 12-14. 2017 (**Scopus Indexed**)
23. S Muthuvel, S Saravanasankar, R Sudhakarapandian and **M Muthukannan**, “Building Services Engineering Research & Technology”, Building Services Engineering Research & Technology; London 36 (4,), 409-410 (2015). (**Scopus Indexed**)
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25. M.Vinodkumar and **M.Muthukannan**,” Finite Element Analysis on Shear enhancement of HFRC Beams Retrofitted with GFRP Laminate”, International Journal of Applied Engineering Research, Volume 10, Number 38 (2015), pp.28070-28074, (**Scopus Indexed**), 2015.
26. M.Vinodkumar, **M.Muthukannan** and M.Sabarinath, “Permeation Properties of Hybrid Fibre Reinforced Concrete”, International Journal of Applied Engineering Research, Volume 10, Number 38 (2015), pp.28099-28102, (**Scopus Indexed**), 2015.