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Research Publication (International Journal SCOPUS/SCI)

1. Daniel paul.T, Ruskin Samuel, Anand.N and Prince Arulraj G., "Experimental Investigation on Stress strain behaviour of concrete subjected to Elevated temperature by Standard fire", International Journal of Civil Engineering and Technology (IJCIET), ISSN: 0976-6316, Volume- 9, Issue 10, pp 1676-1685 (Scopus)
2. Alwyn varughese, Jasper Selva Samuel, Anand.N and Prince Arulraj G., "Studies on behaviour of fire affected fibre reinforced concrete", International Journal of Civil Engineering and Technology (IJCIET), ISSN: 0976-6316, Volume- 9, Issue 10, pp 1668-1675 (Scopus)
3. Diana Andrushia, Anand.N and Antony Godwin., "Analysis of edge detection algorithms for concrete crack detection", International Journal of Mechanical Engineering and Technology (IJMET), ISSN: 0976-6340, Volume- 9, Issue 11, pp 689-695 (Scopus)
4. Alwyn varughese, Anand.N and Prince Arulraj G., "Investigation on impact strength of fibre reinforced concrete subjected to elevated temperature", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume- 8, Issue 4, pp 397-402 (Scopus)
5. Alwyn varghese, Anand N, Prince Arulraj G., and Johnson Alengaram "Influence of Fibers on Bond Strength of Concrete Exposed to Elevated Temperature", International Journal of Adhesion Science and Technology (Taylor and Francis publications), DOI 10.1080/01694243.2019.1602889, ISSN: 1568-5616, Vol. 33 No. 14, pp. 1521-1543 (SCI–Impact Factor 1.210)
6. Daniel paul.T, Anand N and Prince Arulraj G., "Experimental investigation of mechanical properties and physical characteristics of concrete under standard fire exposure", Journal of Engineering Design and Technology (Emerald publications), DOI 10.1108/JEDT-09-2018-0159, ISSN: 1726-0531, Vol. 17 No. 5, pp. 878-903 (Scopus)

7. Daniel paul.T, Anand N, Prince Arulraj G and Ehab Zalok., “Post-fire damage assessment and capacity based modeling of concrete exposed to elevated temperature”, International Journal of Damage Mechanics (Sage publications), DOI 10.1177/1056789519881484, ISSN: 1056-7895, Vol. 17 No. 5, pp. 878-903 (SCI– Impact Factor 2.342)
8. Varghese Basil Alexander, Dominic Ashwin W, Anand N and Jayalin D, "Studies on Effect of Lateral Force on Different Types of Composite Building Frame Systems", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-6, March 2019 (Scopus)
9. Mervin Ealiyas Mathews, Nandhagopal M, N.Anand and G. Prince Arulraj, "Versatility At Its Best: An Integrated Review on Development of Self-Compacting Concrete", International Journal of Scientific & Technology Research, ISSN 2277-8616, Volume 8, Issue 10, October 2019 (Scopus)
10. Diana Andrushia, N. Anand, Prince Arulraj, "Anisotropic diffusion based denoising on concrete images and surface crack segmentation", International Journal of Structural Integrity, ISSN: 1757-9864, doi.org/10.1108/IJSI-06-2019-0061 (Scopus)
11. Anand N, Daniel paul.T, and Prince Arulraj G., “Strength and microstructure characteristics of concrete with different grade exposed to standard fire”, Journal of Structural Fire Engineering" (Emerald publications), DOI 10.1108/JSFE-09-2018-0021, ISSN 2040-2317 (Scopus)
12. Diana Andrushia and N. Anand," Auto-associative Neural Network Based Concrete Crack Detection", Advances in Intelligent Systems and Computing, Volume 766, 2020, Pages 239-244 (Scopus)
13. Mervin Ealiyas Mathews, N.Anand and Nandhagopal, " Influence of mineral admixtures on impact strength of self-compacting concrete under elevated temperatures", IOP Conference Series: Materials Science and Engineering, Volume 872, Issue 1, 26 June 2020, Article number 012111
14. Mervin Ealiyas Mathews, N.Anand, Prince Arulraj G and Kiran T, "Rheological and mechanical characterization of self-compacting concrete with utilization of supplementary sustainable cementitious materials", IOP Conference Series: Earth and Environmental Science, Volume 491, Issue 1, 7 July 2020, Article number 012037

15. Daniel paul.T, Anand N, Prince Arulraj G and Kalifa Al Jabri., “Investigation on structural and thermal performance of reinforced concrete beams exposed to standard fire”, Journal of Building Engineering (Elsevier publications), Volume 32, November 2020, Article number 101764, (SCI– Impact Factor 3.379)

16. Diana Andrushia, N. Anand, Prince Arulraj, " A novel approach for thermal crack detection and quantification in structural concrete using ripplet transform", Structural Control and Health Monitoring, Volume 27, Issue 11, 1 November 2020, Article number e262, (SCI– Impact Factor 3.499)

17. Diana Andrushia, N. Anand, Prince Arulraj, " Evaluation of thermal cracks on fire exposed concrete structures using Ripplet transform", Mathematics and Computer in Simulation, Volume 180, February 2021, Pages 93-113, (SCI– Impact Factor 1.62)

Funded PROJECT (Completed)

Start up Research Grant - Young Scientist (DST-SERB) of Rs 20, 28,000 for the project “Development of Capacity based standards on strength properties of concrete under elevated temperature”, April 15, 2016 (Principal Investigator)