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### **Publication Details (Last five Years)**

#### **JOURNAL PUBLICATION:**

- Utilization of Hypo Sludge for the stabilization of Red Soils along with Cement and Molasses, Indian Journal of Science and Technology,ISSN (Online) : 0974-5645, Volume 09, No. 02 pp. 1-8, 2016.
- Performance of Fly Ash and Copper Slag based Geopolymer Concrete, Indian Journal of Science and Technology, ISSN (Online): 0974-5645, Volume 09, No. 02 pp. 1-8, 2016.
- Performance of UHPC containing nano  $\text{Al}_2\text{O}_3$  particles exposed to seawater International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) (ISSN: 2455-2585) Volume.5 ,No.4pp.87-90,2019.
- The electrical resistivity properties of nano –  $\text{Al}_2\text{O}_3$  particles blended ultra high performance concrete International Journal of Research in Advent Technology (IJRAT) (ISSN: 2321-9637) Volume.7 ,No.4pp.25-28,2019.
- Effects of elevated temperature attack on nano -  $\text{Al}_2\text{O}_3$  particles blended Ultra High Performance Concrete International Journal of Management, IT and Engineering (IJMIE) (ISSN: 2249-0558) Volume.9 ,No.5pp.226-232,2019.
- Aggressive alkaline attack on nano  $\text{Al}_2\text{O}_3$  blended Ultra High Performance Concrete International Journal of Advanced Scientific Research and Management (IJASRM) (ISSN: ISSN 2455-6378) Volume.4 ,No.4pp.436-440,2019.
- The effects of nano alumina particles replacement on water transportation properties of UHPC International Journal of Scientific Research and Reviews (IJSRR) (ISSN: 2279–0543)Volume.8 ,No.2pp.1280-1287,2019.
- The effects of nano  $\text{Al}_2\text{O}_3$  particles replacement on carbonation resistance properties of ultra high performance concrete (UHPC) International Journal for Research in Engineering Application & Management (ISSN : 2454-9150) Volume.5 ,No.1pp.81-84,2019.

- Effects of Industrial and Agricultural Wastes on Mud Blocks Using Geopolymer Hindawi Advances in Civil Engineering Volume 2020, Article ID 1054176, 9 pages <https://doi.org/10.1155/2020/1054176>. P. Vignesh , K.Mahendran, and N. Arunachalam.

### **Conference Publications:**

- Performance of fly ash based geopolymer concrete using copper slag as a filler material International Conference on Research Initiatives in Chemistry for Sustainable Development Jayalakshmi publications, Madurai, Tamil Nadu ISBN: 978-93-86712-63-9, pp 235-255, 2019.
- Thermal resistance behavior of nano –  $\text{Al}_2\text{O}_3$  particles blended Ultra High Performance Concrete under elevated temperature International Conference on Materials & Spectroscopy VK Publications, Sivakasi, Tamilnadu ISBN: 978-81-90856-768, pp.80, 2019.
- The effects of nano –  $\text{Al}_2\text{O}_3$  particles content and dispersions techniques on compressive strength and electrical resistivity of Ultra High Performance Concrete International Conference on Materials & Spectroscopy VK Publications, Sivakasi, Tamilnadu ISBN: 978-81-90856-768, pp.90, 2019.
- The effects of nano –  $\text{Al}_2\text{O}_3$  particles replacement on chloride permeability properties of ultra high performance concrete International Conference on Research Initiatives in Chemistry for Sustainable Development Jayalakshmi publications, Madurai, Tamil Nadu ISBN: 978-93-86712-63-9, pp.214-216, 2019.
- Investigation of carbonation resistance of nano  $\text{Al}_2\text{O}_3$  particles blended ultra high performance concrete (UHPC) International Conference on Research Initiatives in Chemistry for Sustainable Development Jayalakshmi publications, Madurai, Tamil Nadu ISBN: 978-93-86712-63-9, pp.217-219, 2019.
- The effects of nano –  $\text{Al}_2\text{O}_3$  particles replacement on abrasion resistance property of ultra high performance concrete 1<sup>st</sup> International Conference on New Scientific Creations in Engineering and Technology (ICNSCET) IJRTER, Bhavnagar-Gujarat DOI: 10.23883/ IJRTER. CONF.20190322.018.S7LFY pp.152-156, 2019.
- Performance of flyash based geopolymer concrete using copper slag as a filler material International conference on Research initiatives in Chemistry for sustainable Development, 2019.
- A study on polymeric fibre reinforced stabilized mud blocks in innovative solutions and challenges in civil Engineering (ISCCE 2020), Saveetha Engineering college 2020.
- Experimental study on stabilised mud blocks with the combination of bio-enzyme and alkaline solution, The national conference on recent trends and developments in Civil Engineering (NCRTD-2020) March 2020, ISBN 978-93-89044-18-8
- A high strength Geopolymer concrete using copper slag as a fine aggregate, The national conference on recent trends and developments in Civil Engineering (NCRTD-2020) March 2020, ISBN 978-93-89044-18-8

- Performance of Industrial slag on dry compressive strength of mud based Geopolymeric masonry blocks, The national conference on recent trends and developments in Civil Engineering (NCRTD-2020) March 2020, ISBN 978-93-89044-18-8
- Role of cuprum waste on water absorption of mud based Geopolymeric paver blocks, The national conference on recent trends and developments in Civil Engineering (NCRTD-2020) March 2020, ISBN 978-93-89044-18-8
- Effect of fayalite slag on wet compressive strength of mud based Geopolymeric masonry blocks, The national conference on recent trends and developments in Civil Engineering (NCRTD-2020) March 2020, ISBN 978-93-89044-18-8