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JOURNAL PUBLICATION

 B.S.R. Yeddula, S. Karthiyaini, Effect of red mud proportion on the strength and microstructure of ferrosialate based geopolymer mortar, Indian Journal of Engineering and Materials Sciences. <u>IJEMS Vol.27(3) [June 2020]</u>(IF- 0.521)

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- 5. B.S.R. Yeddula, **S. Karthiyaini**, Effect of red mud proportion on the strength and microstructure of ferrosialate based geopolymer mortar, Indian Journal of Engineering and Materials Sciences. (IF- 0.521) Article in press.
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- 11. S. M. Shanmuga sundaram, **S. Karthiyaini**, and R. K. Gaddam, "An investigation on mechanical strength of alkali activated ultra-fine natural steatite powder based geopolymer mortar," *Int. J. Civ. Eng. Technol.*, vol. 9, no. 2, pp. 516–521, 2018.
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- 13. M. Shanmuga Sundaram and **S. Karthiyaini**, *Physicochemical properties of ash-based geopolymer concrete*, vol. 1–8. 2017.

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Published paper on International Conference on Experimental Investigation of Hybrid Fiber on High Strength Concrete, Amity University, Noida

Published paper on International Conference on Analysis on Stabilization of an Asymmetric Structure Using Seismic Isolators, Amity University, Noida

Published paper on International Conference on Effect of Temperature Stresses on Geopolymer Concrete and Finite Element Modelling of Geopolymer Beams, Amity University, Noida

Published paper on National level conference in earth quake Engg in Structural Health monitoring at Thaigarajar college of Engg, Madurai in the year 2008.

Published paper on International Conference on Civil. Structural and Environmental Engineering (ICSEE-11) in Behaviour of CFSB members under flexure & Web Based Bridge Design at K.S.R. College of Engg, Tiruchengode in the year 2011.

Published paper on Modern Construction Practices in Steel & Concerte in Web Based Trends in Concrete Composites at Kongu Engineering College

Published paper on National Conference Investigation Of Geopolymer Concrete Column in Mepco Schlenk Engineering College, Sivakasi

Published paper on National Conference Investigation Of Geopolymer Concrete short Column in Kamaraj College of Engineering.

BOOKS/CHAPTERS PUBLICATION

- 1. Applied Geology, Anuradha Publications, Kumbakonam for III Semester Civil Engineering as per Anna University with ISBN Number978-81-8472-214-7
- 2. Physicochemical Properties of Ash-based Geopolymer Concrete Handbook of Composites from Renewable Materials, (563–580) © 2017 Scrivener Publishing LLC.
- 3. Sustainable Buildings, Shanlax Publishers, ISBN Number 9789390000000-2018
- 4. Construction Economy- A Modern Perspective, ISBN: *978-93-5406-574-3*, Published by: ASKM Innovations and Sakthi Consultancy Pvt Ltd.