

Dr. R. Ravi, M.E, Ph.D

Associate Professor

Department of Civil Engineering

SRM Institute of Science & Technology

Kattankulathur – 603203

E-mail: ravir2@srmist.edu.in

M: 9444484937

List of Publications

1. Durgadevagi Shanmugavel, Thirumalini Selvaraj, and Simona Raneri, **R Ravi**, “Interaction of a viscous biopolymer from cactus extract with cementpaste to produce sustainable concrete”. *Construction and Building Materials*, **ELSEVIER**, 257(10) 119585. **SCI Indexed, IF: 4.419**, 2020,
2. Durgadevagi Shanmugavel and Rachna Dubey, **R Ravi**, ” Use of natural polymer from plant as admixture in hydraulic lime mortar masonry” DOI:doi.org/10.1016/j.jobte.2020.101252, *Journal of Building Engineering*, **ELSEVIER**, **SCI Indexed, IF: 3.37**, 2020
3. Durgadevagi Shanmugavel, Vaishnavi Arakataavemula Kotteeswaran Santhanam, **R Ravi**, “Characterisation on ancient mortar of Chettinadu house at Kanadukathan, Karaikudi, Tamil Nadu, India”. Material today proceedings, **ELSEVIER**, <https://doi.org/10.1016/j.matpr.2020.08.607>, 2020
4. Abrar Ahamed, Thirumalini Selvaraj, **R Ravi**, “Alternative Approach for Traditional Slaking and Grinding of Air Lime Mortar for Restoration of Heritage Structures: Natural Polymer” DOI:[10.1061/\(asce\)ae.1943-5568.361](https://doi.org/10.1061/(asce)ae.1943-5568.361), *Journal of Architectural Engineering*, **ASCE**, 2019
5. Khalid Ahmed Gour, Thirumalini Selvaraj, **R Ravi**, “Revamping the traditional air lime mortar using the natural polymer - areca nut for restoration applications”, **Construction and Building Materials**, **ELSEVIER**, **SCI Indexed** doi10.1016/j.conbuildmat.2017.12. **IF: 4.419**, 2018.
6. Thirumalini, S. Taher, N, **R Ravi**, “Analysis of Ancient lime Plasters - Reason behind Longevity of the Monument Charminar, India A Study” *Journal of Building Engineering*, **ELSEVIER**, **SCI Indexed** DOI:10.1016/j.jobte.2018.04.010 **IF: 3.37**, 2018
7. Selvaraj Thirumalini and **R Ravi**, “Analysis and characterisation of third century ancient mortars at **subramanyaswamy temple** rediscovered after the 2004 tsunami near **mamallapuram shore**, India” *International Journal of Conservation Science*, **SCI Indexed** IF: 0.84, 2018.
8. Selvaraj Thirumalini and **R Ravi**, “Effect of natural polymers from *cissus glauca* roxb on the mechanical and durability properties of hydraulic lime *International Journal of Architectural Heritage*”, **Taylor & Francis**, **SCI Indexed**, doi:10.1080/15583058.2018.1431732), **SCI Indexed** IF :1.85, 2018
9. M. Rajesh, S. Thirumalini and **R Ravi**, `Mechanical and physical properties of natural additive dispersed lime, *Journal of Building Engineering*, **ELSEVIER**, **SCI Indexed** doi.org/10.1016/j.jobte.2017.10.009 15,70-77, **IF:3.37**, 2018.

10. M. Rajesh, S. Thirumalini and **R Ravi**, "Experimental investigation on physical and mechanical properties of lime mortar: Effect of organic addition", ***Journal of Cultural Heritage, ELSEVIER, SCI Indexed*** doi.org/10.1016/j.culher.2017.10.009. **IF: 1.838**, 2017.
11. S. Thirumalini, Sekar S K and **R Ravi**, "Characterization of Hydraulic Lime Mortar Containing Opuntia Ficus Indica as a Bio-Admixture for Restoration Applications", ***International Journal of Architectural Heritage, Taylor& Francis, SCI Indexed*** DOI:10.1080/15583058.2015.1109735, **IF :1.85**, 2016.
12. Selvaraj T, Sekar S K and **R Ravi**, "Revealing the ancient secret of lime mortar exposed to marine environment used in and around Padaleeswarar temple, Tamil Nadu, India" *in the HMC 2016.– 4th Historic Mortars Conference, Aristotle University of Thessaloniki*, held in the island of **Santorin, Greece, November 2016**
13. Selvaraj T, Sekar S K and **R Ravi**, "Knowing from the past – Ingredients and technology of ancient mortar used in Vadakumnathan temple, Tirussur, Kerala, India", ***Journal of Building engineering, ELSEVIER, SCI Indexed***, **IF: 3.37**, DOI.10.1016/j.jobbe.2015.09.004,
14. Selvaraj T, Sekar S K and **R Ravi**, "Physico-chemical and mechanical characterization of hydraulic mortars containing Cissus glauca roxb as a bio - admixture for restoration applications, *Journal of Structural Engineering*, Scopus Indexed, November 2015.

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