

ANUPAMA V.A.

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**Address** (Academic): Doctoral Research Scholar

Roll No. CE19D760

Dept. of Civil Engineering

IIT Madras

Chennai, Tamil Nadu, India-600036

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| **EDUCATION** |
| 1. **PhD [January 2020 - Present]**   Division : Building Technology and Construction Management Institute/University : Indian Institute of Technology, Madras  CGPA (on a scale of 10) :10   1. **International Exchange Doctoral Program [September 2022 – December 2022]**   Institute/University : Alma Mater Studiorum - Università di Bologna   1. **Master of Technology [July, 2017 – May, 2019]**   Institute/University : Indian Institute of Technology, Madras  CGPA (on a scale of 10) : 9.06 |

**PROFESSIONAL MEMBERSHIPS**

* RILEM, International Union of Laboratories and Experts in Construction Materials, Systems, and Structures (Since February, 2020)
* American Concrete Institute (Since March, 2021)

**RESEARCH INTERESTS**

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| * Microstructural characterization * Repair and Rehabilitation * Chemistry of construction materials | * Heritage materials * Durability studies * Microanalytical techniques |

**JOURNAL PUBLICATIONS**

* V. A. Anupama, S. Divya Rani, Swathy Manohar & Manu Santhanam, “Investigation of weathering resistance and damage manifestations of mortar formulations for heritage structures in saline environment”, International Journal of Architectural Heritage, https://doi.org/10.1080/15583058.2024.2374028
* V. A. Anupama & Manu Santhanam, “Salt Weathering Resilience in Masonry: An Accelerated Laboratory Study Involving Wind-Induced Variations”, Construction and Building Materials, https://doi.org/10.1080/15583058.2024.2374028
* V. A. Anupama, Enrico Sassoni & Manu Santhanam, “Long-term Retention and Efficiency of DAP and TEOS Consolidants in Weathered Masonry” (to be submitted in November 2024)
* V. A. Anupama, Enrico Sassoni & Manu Santhanam, “Effect of consolidation on the salt weathering resistance of masonry systems – under preparation” (to be submitted in December 2024)

**CONFERENCE PUBLICATIONS**

* V. A. Anupama & Manu Santhanam, “Impact of wind on the salt weathering resistance of masonry mortars”, RILEM Week 2024
* V. A. Anupama & Manu Santhanam, “Morphological evolution of calcium carbonate crystals in dry hydrated lime mortar”, 6th Heritage Mortar Conference (HMC 2022)
* V. A. Anupama & Manu Santhanam, “An investigation of the salt weathering resistance of dry hydrated lime mortar subjected to accelerated carbonation”, RILEM TC-277 Workshop on ‘Lime based materials for repairing historic structures, 2022.’
* V. A. Anupama & Manu Santhanam, “Durability of heritage masonry structures: Review on the substrate-mortar interaction”, 75th RILEM Week, 2021
* Swathy Manohar, V. A. Anupama, & Manu Santhanam, “Salt deterioration of heritage structures – Correlating the insights from field and lab studies”, 75th RILEM Week, 2021

**AWARDS AND HONOURS**

* **Best Poster Award** at the one-day workshop on 'Conservation of Heritage Structures - connecting the past and future' at IIT Bombay - September, 2024.
* **Best Paper Award** in the RILEM Conference on Sustainable Materials and Structures as part of 78th RILEM Week, held at Toulouse, France - August 2024
* **PhD Travel Grant** by RILEM
* Second prize in the **180Research@CE-IITM Season 2** organized by Civil Engineering Association, IITM – August 2022
* **International Immersion Experience Travel Award** launched by the Office of Global Engagement, IIT Madras – Jan 2022
* **Prime Minister’s Research Fellowship** – December 2020

**PERSONAL DETAILS**

Date of Birth : 30-05-1995

Linguistic competencies : English, Malayalam, Tamil and Hindi

**REFERENCES**

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| * Dr Manu Santhanam,   Professor, Department of Civil Engineering, IIT Madras. Phone:+91-44-22574283  E-mail: [manus@civil.iitm.ac.in](mailto:manus@civil.iitm.ac.in) | * Dr Radhakrishna G. Pillai,   Professor, Department of Civil Engineering, IIT Madras. Phone:+91-44-22574303  E-mail: [pillai@civil.iitm.ac.in](mailto:pillai@civil.iitm.ac.in) |
| **DECLARATION** |  |

I hereby declare that the above-mentioned information is correct up to my knowledge, and I bear the responsibility for the correctness of the above- mentioned particulars.



Anupama V. A.