

Mr.D.Senthil Velan, M.E.,  
HOD I/C  
Dept of Civil Engg,  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
SRM IST  
Ramapuram Campus,  
Chennai

Email: senthild5@srmist.edu.in



D.Senthil Velan Working as an Assistant Professor(Selection Grade) in the Department of Engg at SRMIST, Ramapuram. He Graduated in Civil Engineering at Madras University, Chennai, Tamilnadu, India. He secured Master of Engineering in Structural Engineering at Anna University, India. He Pursuing Ph.D. in the field of Recycled Aggregate Concrete at SRM Institute of Science and Technology, Chennai, India. He is in teaching profession for more than 16 years. He has presented number of papers in National and International, Conference He has published no of papers in Reputed Journals (WOS and Scopus)

Areas of Research:

Recycled Aggregate Concrete. Self Compacting Concrete

Professional Bodies:

Member – ACCE, ICI, ISTE

Technical courses:

- Completed NPTEL 12 week course, Jan - Apr 2022 on “Basic Construction Materials” and received Elite grade.
- Completed NPTEL 12 week course, Jan- Apr 2022 on “NBA Accreditation and Teaching and Learning in Engineering (NATE)”
- Completed NPTEL 12 week course, Jan – Apr 2020 On Characterization of Construction Materials

Funded Project:

- Rs.53.0948 Lakhs fund from Department of Science and Technology, Govt. of India, for a Project on “Copper Slag as alternative Material for River Sand in Concrete”, 15th Dec 2015. As Co principal Investigator

- Rs.1 Lakh from SRM University, as seed money for conducting research on “Effect of Copper Slag as fine aggregate on Mechanical strengths of Concrete”, Dec 2014-Dec 2015. Co principal Investigator

Best paper award:

1. Best Paper award in International Conference on Civil Engineering Innovative Development in Engineering Advances (ICC IDEA- 2023 ) at SRMIST, Kattankulathur
2. Best Paper award in International Conference on Sustainable Environment and Civil Engineering (ICSECE23) at Easwari Engineering College , Chennai

## JOURNALS

- 1.T.Ch. Madhavi, D. Senthilvelan, H.Mohammed Irfan, K.S.M.Anil, D.R.Gowtham, “Investigations on Sulphate Attack on Copper Slag” Concrete Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1272-1275.
2. D. Senthilvelan, T.Ch. Madhavi, “Applications of Recycled Aggregate Concrete”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 939 – 944.
3. T.Ch.Madhavi, S.Martin Luther, P.M.Rameshwaran, D.Senthilvelan, “Chloride Penetration in Polypropylene Fiber Reinforced Concrete”, International Journal of ChemTech Research, Vol.8, No.12 pp 451-460, Dec 2015.
4. T.Ch. Madhavi, S.Martin Luther, Senthilvelan, Prabhat Kumar, L.Swamy Raju, Deepak Mathur, “Chloride Penetration in Fly Ash Concrete”, International Journal of Research in Engineering and Technology, Feb-2015, Vol. 04 Spl Issue. 01, pp.134 – 140
- 5.M.Ramya, D.Senthil Velan,” Seismic Analysis and Design of RCC Multi Storey Building Considering with and without Slab Diaphragm Effect” International Journal of Engineering Research & Technology, Vol 10, ISSN:2278 – 0181.

## INTERNATIONAL CONFERENCES

1. T.Ch.Madhavi, D.Senthilvelan, “Recycled Aggregate Concrete”, International Conference on Green Manufacturing: Analytics, Automation, Processes, Products, Energy & Structures, Rajalakshmi Engineering College, 29-29<sup>th</sup> March 2018.
2. D.Senthil Velan “ Analysis of Cold Formed Steel Section Using Ansys” International Conference on Recent Trends in Science and Technology, GKM College of Engineering & Technology & Techown, Chennai 20 th April 2018

3. D.Senthilvelan, T.Ch.Madhavi, “Applications of Recycled Aggregate Concrete”, International Conference on Theoretical and Experimental Advances in Civil Engineering (ICONTEACE-2018), SRM Institute of Science and Technology, Kattankulathur, 10 -12 May 2018
4. Satish Anand m J, Nithyambigai G, Senthil Velan D “A state of The Art Review on 3D Concrete Printing , Rheological Properties and Test Methods” International Conference on Sustainable Environment and Civil Engineering , Easwari Engineering College , Chennai, 30-31 March 2023
5. J.Jestalt Srisanth, Dr.G.V.Rama Rao, D.Senthil Velan, “Seismic Response Control Strategies for Building” International Conference on Civil Engineering Innovative Development in Engineering Advances, SRM Institute of Science and Technology, Kattankulathur, 9-11 March 2023

#### National Conference

1. D.Senthilvelan, T.Ch.Madhavi. “Study of Various Treatment Methods on Recycled Aggregates”, National Conference on Materials for Modern World, Easwari Engineering College, 18<sup>th</sup> & 19<sup>th</sup> September 2018.
2. T.Ch. Madhavi, P.M.Rameshwaran, D.Senthilvelan, “Super Absorbent Polymer as Additive in Concrete”, National Conference on Advances and Innovation in Civil Engineering, VelTech HighTech Dr.Rangarajan Dr Sakunthala College of Engineering, 9<sup>th</sup> Feb 2017.
3. A.Janakiraman, T.Ch.Madhavi, D.Senthilvelan, “Behaviour of Concrete Filled Steel Tubular Sections”, National Conference on Forensic Structural Engineering, VIT University, Chennai, 11<sup>th</sup> & 12<sup>th</sup> March 2016, pp. 203-206.