


PROFILE

Name of the Faculty		A.MOHAN			
Designation		ASSISTANT PROFESSOR			
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Qualification	UG	B.E	CIVIL ENGINEERING		
	PG	M.E	STRUCTURAL ENGINEERING		
	Ph.D	ongoing	CIVIL AND STRUCTURAL ENGINEERING		
Specialization / Major areas of Research	WASTE MANAGEMENT, SUSTAINABLE MATERIALS				
Experience	Teaching: 09 YEARS	Industry: NIL	Research: NIL		
Papers Published in Journals	International : - 20		National : -23		
Papers Presented in Conferences	International : - 14		National : - 12		
*Awards / Achievements / Funded Projects / Consultancy					
<p>Ayyasamy, L.R., Mohan, A., Rex, L.K., ...Vijayan, D.S., , ENHANCED THERMAL CHARACTERISTICS OF CuO EMBEDDED LAURIC ACID PHASE CHANGE MATERIAL, Thermal Science, 2022, 26(2), pp. 1615–1621.</p>					
<p>Mohan, A., Saravanan, J., Characterization Of Geopolymer Concrete By Partial Replacement Of Construction And Demolition Waste – A Review., Journal of the Balkan Tribological Association, 2022, 28(4), pp. 550–558.</p>					
<p>S. LAVANAYAPRABHA*, A. MOHAN, G. VELRAJKUMAR, A. MOHAMMEDHAROONZUBAIR., Study On Structural Behaviour Of Ductile High-Performance Concrete Under Impact And Penetration Loads ., Journal of Environmental Protection and Ecology 23, No 6, 2380–2388 (2022)</p>					

M. THOLKAPIYAN , A. MOHAN, D. S. VIJAYAN., VARIABILITY OF SEA SURFACE TEMPERATURE IN COASTAL WATERS OF GULF OF MANNER, INDIA, Oxidation Communications 45, No 3, 562–569 (2022) .

Tholkapiyan, M., Mohan, A., Vijayan, D.S., TRACKING THE CHLOROPHYLL CHANGES USING SENTINEL-2A/B OVER THE GULF OF MANNER, INDIA, Oxidation Communications, 2022, 45(1), pp. 93–102

Dr,G,Velraj Kumar, R.Muralikrishnan, A.Mohan, R.Bala Thirumal, P.Naveen John, Performance of GGBFS and silica fume on self compacting geopolymer concrete using partial replacements of R-Sand, materials today : proceedings, Volume 59, Part 1, 2022, Pages 909-917.

D. S. Vijayan , A. Mohan , C. Nivetha , Vidhyalakshmi Sivakumar ,Parthiban Devarajan , A. Paulmakesh , and S. Arvindan, Treatment of Pharma Effluent using Anaerobic Packed Bed Reactor, Journal of Environmental and Public Health, Volume 2022, Article ID 4657628, 6 pages, <https://doi.org/10.1155/2022/4657628>.

MOHAN, A., & SARAVANAN, J. (2022). CHARACTERIZATION OF GEOPOLYMER CONCRETE BY PARTIAL REPLACEMENT OF CONSTRUCTION AND DEMOLITION WASTE -- A REVIEW. In Journal of the Balkan Tribological Association (Vol. 28, Issue 4, pp. 550–558).2022.

Vijayan, D.S., Ayyasamy, L.R., Sharma, A.S., ...Devarajan, P., Sivasuriyan, A.Finite element analysis of behavior and ultimate strength of composite column, Science and Engineering of Composite Materials, 2022, 29(1), pp. 176–182.

Suriya, S., Lavanya, V., Madhan Kumar, M., Mohan, A., Anandha Kumar, S. (2022). Catastrophic Effects of Climate Change on Child Health. In: Panneerselvam, B., Pande, C.B., Muniraj, K., Balasubramanian, A., Ravichandran, N. (eds) Climate Change Impact on Groundwater Resources. Springer, Cham. https://doi.org/10.1007/978-3-031-04707-7_15

D. S. Vijayan , A. Mohan , J. Jebasingh Daniel , V. Gokulnath , B. Saravanan ,and P. Dinesh Kumar, “Experimental Investigation on the Ecofriendly External Wrapping of Glass Fiber Reinforced Polymer in Concrete Columns”, Advances in materials Science and Engineering,

Article id 2909033, March,2021, pp01-12- **WOS&SCOPUS**

A.Mohan, G.Prabha, B.Balapriya, M.Deepika, B.Hemanthimekala, “Investigations on the properties of concrete containing Recycled Plastic aggregates” Journal of Balkan Tribological Association, Volume-27, Issue-6, pp- 1010-1020, 2021.- **SCOPUS**

D. S. Vijayan , A. Mohan , J. Revathy , D.Parthiban , R.Varatharajan , “Evaluation of the impact of thermal performance on various building bricks and blocks: A Review”, Environmental Technology & Innovation, Article id 101577, volume 23, 2021, pp01-19- **WOS&SCOPUS**

M.Tholkapiyan, A.Mohan, D.S.Vijayan, “ Spatial and Temporal changes of sea surface phytoplankton pigment concentration over gulf of mannar, India”, Oxidation Communications, volume44, Issue4, pages 790-799. **SCOPUS**

A. Mohan , “Investigation on ultra high strength slurry infiltrated multiscale fibre reinforced concrete”, Materials Today : Proceedings , Volume 22, 904-911, 2020.

A.Mohan, A survey of recent studies on chlorophyll variation in Indian coastal waters, IOP Conf. Series: Materials Science and Engineering 993 (2020) 012041, 1-6.

Mohan, A., Characterisation On Toughness Property Of Self-Compacting Fibre Reinforced Concrete. In Journal of Environmental Protection and Ecology (Vol. 21, Issue 6, pp. 2153–2163).

A. Mohan, “The strength and durability of flyash and quarry dust light weight foam concrete”, Materials Today : Proceedings , Volume 22, 1117-1124, 2020.

Mohan A, “Earth Quake Mitigation (EQDM) Through Engineering Design”, Materials Today : Proceedings, Volume 22, 1074-1077, 2020.

Mohan A, “Performance Evaluation and R-Value for Thermally Insulated Wall With Embedding Fluted Sheets”, Materials Today : Proceedings, ISSN: 1904-4720 , Volume 22, 912-919, 2020.

A.MOHAN, 2017, “Experimental Investigation on RC Confined Column with Confinement and Additional wrapping”, Journal of Advanced Research in Dynamical and control Systems, (2), 963-986.

A.MOHAN, 2018, “Experimental investigation on geo polymer concrete with glass fiber”, International Journal of Advanced Research trends in Engineering and Technology, Volume5, special Issue 12, 75-81

A.MOHAN, 2018, “Experimental investigation on utilization of fly ash and pond ash with self compacting concrete”, International Journal of Advanced Research trends in Engineering and Technology, Volume5, special Issue 12, 83-90.

A.MOHAN, 2018, “Behavior of shear wall in earth quake resistant structures”, International Journal of Advanced Research trends in Engineering and Technology, Volume5, special Issue 12, 320-330.

A.MOHAN, 2018, “Replacement of steel slag as coarse aggregate in concrete mixture leads to a heavy density concrete”, International Journal of Advanced Research trends in Engineering and Technology, Volume5, special Issue 12, 308-319.

A.MOHAN, 2017, “Sustainable Approach on Reuse of Waste Materials in Construction”, International Journal of Pure and Applied Mathematics, Volume 115, (7), 337-342.

A.MOHAN, 2017, “Behavior And Impact Of Concrete Deck Slab, Shear Connector And Steel Beam In Composite Bridge”, International Journal of Pure and Applied Mathematics, Volume 115, (7), 247-255.

INTERNATIONAL CONFERENCE

A.MOHAN, EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES BY PREFERENTIAL SUPPLANT OF CEMENT WITH GGBS AND SILICA FUME IN CONCRETE, NACM - 2020 organized by Department of Civil Engineering, Chennai Institute of Technology, on 30th May 2020

A.MOHAN, Comparative study on Modular concept with Normal Built concept in Design of Pipe Rack using STAAD PRO, Organized by Department of Civil Engineering, Er.Perumal Manimekalai College of Engineering, on 06th March 2020

A.MOHAN, “An Experimental investigation on influence of replacement level of recycled aggregates on the properties of No Fines Concrete.”, SRM institute of Science and technology, 23rd March 2018

A.MOHAN, “Replacement of steel slag as coarse aggregate in concrete”, ARS College of Engineering, 3rd March 2018.

A.MOHAN, “Experimental investigation on RC confined column with external wrapping”, Veltech Multitech Dr.rangarajan Dr.sakunthala Engineering college, 9th February 2017.

A.MOHAN, “Experimental Investigation on utilization of fly ash and pond ash with self-compacting concrete”, National conference on structural health monitoring and Environmental management, Easwari Engineering college, Chennai. 27th March 2018.

A.MOHAN, "Replacement of coarse aggregate with recycled steel slag waste in concrete", National conference - AAVISHKAAR-2018, Vel Tech High Tech Dr.Rangarajan Dr.sakunthala engineering college, Chennai.2nd April2018.

A.MOHAN, "An Experimental Investigation on Replacement of ordinary Portland cement by geopolymer cement in concrete", International conference on "GLOBAL ENVIRONMENTAL CHANGES AND SUSTAINABLE DEVELOPMENT, ICGECSD-2018,VEL TECH Rangarajan Dr.sakunthala R & D Institute of Science and Technology, chennai. 4th APRIL 2018.

A.MOHAN, "An Experimental Investigation on replacement level of recycled aggregate in No-Fines concrete", International conference on "GLOBAL ENVIRONMENTAL CHANGES AND SUSTAINABLE DEVELOPMENT, ICGECSD-2018, VEL TECH Rangarajan Dr.sakunthala R & D Institute of Science and Technology, chennai. 4th APRIL 2018.

A.MOHAN, "Experimental investigation on partial replacement of cement with silica fume and fly ash concrete", Veltech Dr. RR & Dr. SR University, Chennai. 11th April 2017.

NATIONAL CONFERENCE

A.MOHAN, "Partial Replacement of cement by GGBS in Steel Fiber Reinforced Concrete", National conference on Emerging Trends in Civil Engineering, S.A Engineering college, Chennai. 26th March 2020.

A.MOHAN, "Characterization on Ultra High Strength slurry Infiltrated Multiscale fiber Reinforced Concrete" in The National Web Conference on "ADVANCES IN CIVIL ENGINEERING FOR SUSTAINABLE ENVIRONMENT" Organized by Department of Civil Engineering, Easwari Engineering College, on 1st June, 2020.

AWARDS

Young Researcher Award from Institute of Researchers received on 21st July 2021.

BOOKS

Book published on "BUILDING FOUNDATIONAL ENGINEERING" - ISBN 978-1-68523-722-6

PATENTS

1.CONSTRUCTION AND DEMOLITION WASTE GEOPOLYMER BRICK - 363933-001

2. HYBRID SYNTHESIS OF SAND WITH METAL COMPOSITES FOR CIVIL INDUSTRY -
202141051407 A

3. SMART USERFRIENDLY MINI DRAFTER - 346553-001