

Mr.M.Sathish Kumar, M.E(Structural Engineering),
 Assistant Professor III/ Department of Civil Engineering
 Velammal College of Engineering and Technology, Madurai
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 Blog Address: Nil

Educational Qualification:

CLASS/ COURSE	NAME OF THE INSTITUTION	BOARD OF STUDY	YEAR OF PASSING	MARKS % / CGPA
M.E., (Structural Engineering)	Thiagarajar College of Engineering, Madurai	Anna University Tirunelveli	2009	7.88
B.E., (Civil Engineering)	Raja college of Engineering and Technology, Madurai	Anna University Chennai	2007	70.00

Experience in Years: 11 Years 9 Months

Employment History:

Designation	Institution	Period	Years of Experience
Assistant Professor III	Velammal College of Engineering and Technology, Madurai.	15.07.2013 to till date	-
Assistant Professor	Sethu Institute of Technology, Virudhunagar, Tamil Nadu.	01.07.2020 to 31.12.2020	6 months
Lecturer	Sethu Institute of Technology, Virudhunagar, Tamil Nadu.	03.06.2006 to 30.06.2020	1 year

Interested Research Areas:

- High Strength Concrete
- Fibre Reinforced Concrete
- Composite Structures

Funded Research Projects: 1 (CO-PI)

Registration No	Title of the Project	Funded Agency	Total Cost	Status & Period
TPN / 79346	Indigenisation of Design and Manufacture of Magnesium Oxide Board for Rapid and Affordable House Construction	DST, New Delhi	Rs. 49.00 lakhs,	Approved & Three Years: 2023 to 2026

Patent rights received: Submitted

Design Application No	Title of the Patent	Status
379556-001	Solarized Opposingly Foldable Wall Awning	Under Progress

Publications Details:

Journal Publication Details:

1. Andal, L, **Sathish Kumar, M**, Nithiya Sree, T & Preetha, V 2022, 'Behavior of polypropylene and steel fibre reinforced high strength concrete exterior beam column joint', Materials Research Forum LLC, pp. 148-158.
2. Wasim Abdullah, M, Vijaya Prabhu, K, Naveen Samuel, A & **Sathish Kumar, M** 2020, 'Cellular Light Weight Concrete Blocks using Different Types of Foaming Agent', International Research Journal of Engineering and Technology, vol. 07, pp. 740-745.
3. Ramesh Raja, M, Naresh Kumar, A, Ranga Bashyam, S, Sanjay Kumar, M & **Sathish Kumar, M** 2020, 'Manufacturing of fly ash brick and finding the optimal mix of materials with replacement of cement by lime sludge and gypsum', International Research Journal of Engineering and Technology, vol. 07, pp. 794-797.
4. **Sathish Kumar, M** & Arunachalam, K 2019, 'Strength and toughness response of high strength concrete beams reinforced with polypropylene and steel fibres', Journal of the Balkan Tribological Association, Book 3, vol. 25, **IF: 0.737**.
5. **Sathish Kumar, M** & Arunachalam, K 2019, 'Experimental study on mechanical properties of fibre reinforced high strength concrete with polypropylene and steel fibre', Journal of Environmental Protection and Ecology, Book 1, vol. 20, pp. 313-325, **IF: 0.679**.
6. **Sathish Kumar, M**, Arunachalam, K & Nithiya Sree, T 2018, '**Analysis of structural behaviors of polypropylene and steel fibre reinforced high strength concrete**', Journal of Computational and Theoretical Nanoscience, vol. 15, pp. 249-254.

International / National Conference:

1. Paper titled '**Behavior of Concrete with PET bottles Fibers & Silica Fume as a Partial Replacement of Cement**' presented in the virtual national conference on Recent Advances and Innovations in Civil Engineering (RAICE-2023), held on 13th April 2023 in VET, Chennai.
2. Paper titled '**Flow ability and strength of a fly ash-based solid block utilizing M-sand as a fine aggregate replacement**' presented in the Two day virtual national conference on Sustainable Infrastructure with Responsible Consumption and Production (SIRCP 22), held on 24th and 25th March 2022 in VCET, Madurai.
3. Paper titled '**Experimental study of a fly ash based solid block masonry prism utilizing M-sand as a partial replacement for fine aggregate**' presented in the Two day virtual national conference on Sustainable Infrastructure with Responsible Consumption and Production (SIRCP 22), held on 24th and 25th March 2022 in VCET, Madurai.
4. Paper titled '**Assessment of groundwater quality in part of lower vaigai basin using remote sensing and GIS**' presented in the Two day virtual national conference on Sustainable Infrastructure with Responsible Consumption and Production (SIRCP 22), held on 24th and 25th March 2022 in VCET, Madurai.

Faculty Development Programme:

1. Attended five day online faculty development programme on ‘**Smart and Sustainable Infrastructure**’ conducted by VCET, Madurai from 29.05.2023 to 03.06.2023.
2. Attended five day online faculty development programme on ‘**Sustainable Development with Innovations in Civil Engineering**’ conducted by VCET, Madurai from 21.11.2022 to 25.11.2022.
3. Attended five day online faculty development programme on ‘**Green Building Practices**’ conducted by CMTI, Bangalore and VCET, Madurai from 13.07.2021 to 17.07.2021.
4. Attended three days hands on training programme on ‘**Energy conservation building code**’ conducted by TANGEDCO, Madurai from 17.02.2021 to 19.02.2021.
5. Attended ten days online training programme on ‘**Quantity Take Off**’ conducted by CMTI, Bangalore from 01.04.2021 to 10.04.2021.
6. Attended three days faculty development programme on ‘**Drupal**’ conducted by IIT, Bombay from 07.01.2020 to 09.01.2020.

Google Scholar report:



Sathish Kumar

Velammal College of Engineering and Technology

Verified email at vcet.ac.in

High Strength Concrete

FOLLOW

Cited by

	All	Since 2018
Citations	1	1
h-index	1	1
i10-index	0	0

TITLE	CITED BY	YEAR
<input type="checkbox"/> STRENGTH AND TOUGHNESS RESPONSE OF HIGH STRENGTH CONCRETE BEAMS REINFORCED WITH POLYPROPYLENE AND STEEL FIBRES <small>KA M. SATHISH KUMAR Journal of the Balkan Tribological Association 25 (No 3), 793–804</small>	1	2019
<input type="checkbox"/> Behaviour of Polypropylene and Steel Fibre Reinforced High Strength Concrete Exterior Beam Column Joint <small>TNS L. Andaj, M. Sathish Kumar Materials Research Forum LLC 23, 148-158</small>		2022
<input type="checkbox"/> EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF FIBRE REINFORCED HIGH STRENGTH CONCRETE WITH POLYPROPYLENE AND STEEL FIBRE <small>MS Kumar, K Arunachalam JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY 20 (1), 313-325</small>		2019
<input type="checkbox"/> Analysis of Structural Behaviors of Polypropylene and Steel Fibre Reinforced High Strength Concrete <small>MS Kumar, K Arunachalam, TN Sree Journal of Computational and Theoretical Nanoscience 15 (1), 249-254</small>		2018

Co-authors [EDIT](#)

No co-authors