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GoogleScholar ID: <https://scholar.google.com/citations/knsHtaAAAAAJ>

Scopus ID: 59306733600

Web of Science Researcher ID: QKZ-0051-2026

Vidwan ID: 712579 (<https://vidwan.inflibnet.ac.in/profile/712579>)



EDUCATIONAL QUALIFICATION

Qualification	Board/University	Institution	Nature of Study	Status/Percentage
Ph. D (Civil Engineering)	Anna University, Chennai	Mepco Schlenk Engineering College, 2026	Full Time	Thesis Submission
Master of Structural Engineering	ANNA UNIVERSITY, Chennai.	M.I.E.T Engineering College, Trichy. 2016	Full Time	80.5%
Bachelor of Civil Engineering	ANNA UNIVERSITY, Chennai.	Sri Vidya College of Engineering and Technology, Virudhunagar. 2014	Full Time	76.7%
HSC	STATE BOARD, Tamil Nadu	S.B.K. Hr Sec School, Aruppukottai. 2010	Full Time	80.25%
SSLC	STATE BOARD, Tamil Nadu	M.C.N.U.P. Devasakayam Annathayammal Hr. sec school, Chinnaihpuram. 2008	Full Time	78.2%

ACADEMIC PROJECTS

1. Ph. D – (Civil)

Thermal and Durability studies on the interfacial bond behaviour of sustainable bio-fiber-based ultra-high-toughness cementitious composites.

2. M.E – (Structures)

1. Experimental investigation on self-compacting concrete using silica fume.
2. Experimental investigation on flexural behavior of Self-Compacting Concrete.

3. B.E – (Civil)

1. Planning, analysis, and design of a shopping complex.
2. Experimental investigation on self-cured fiber using high-performance concrete.

EXPERIENCE (Academic and Research)

Sl.No	Name of the institution	Designation	Joining date	Relieving date/Status	Experience in years
1	National Engineering College (Autonomous), K.R. Nagar Kovilpatti	Assistant Professor	08.06.2026	At Present	Working
2	Mepco Schlenk Engineering College (Autonomous), Sivakasi	Full-Time Research Scholar	03.01.2024	05.06.2026	2.5
3	P.S.R Engineering College (Autonomous), Sivakasi	Assistant Professor	03.07.2020	07.12.2023	3.5
4	SBM College of Engineering & Technology Dindigul	Assistant Professor	09-07-2018	30.06.2020	2.0
5	Shanmuganathan Engineering College, Pudukottai	Assistant Professor	26-12-2016	25-05-2018	1.5

International Journal Publications:

Sl No	Title of the paper	Authors	Journal Name & Year	DOI	Indexing
1	Engineering characteristics, techno-economic feasibility, and life cycle assessment of bio-fiber-based green engineered cementitious composites	Radhakrishnan Narayanan, Maheswaran Chellapandian, Seeni Bright Singh	Journal of Building Engineering & 2024	https://doi.org/10.1016/j.jobee.2024.110521 .	Q1, SCI, Scopus/WoS
2	Effect of natural fiber type and angle of interface on the interfacial bond characteristics of ultra-high toughness cementitious composites	Radhakrishnan Narayanan, Maheswaran Chellapandian, M. Tamilarasan	Journal of Adhesion Science and Technology & 2025	https://doi.org/10.1080/01694243.2025.2575816 .	Q2, SCI, Scopus/WoS

Others:

S.No	Authors	Title	Journal Name	Publication Details
1	N Radhakrishnan, S Karthika	Design of Modern Sanitary Landfill	Journal of Environmental Engineering and Its Scope	Volume 4 Issue 2 2021 DOI: http://doi.org/10.5281/zenodo.5141269
2	M Amala, Dr.S.Meenakshi Sudarvizhi, Dr. S.Kandasamy, Mr.N.Radhakrishnan, Dr.Natchimuthu. S, Dr.K.Mohan das,	AN EXPERIMENTAL INVESTIGATION OF M30 GRADE SELF COMPACTING CONCRETE USING SUPPLEMENTARY CEMENTITIOUS MATERIALS	European Chemical Bulletin	Eur. Chem. Bull. 2023, 12(7), 2285-2289
3	N Radhakrishnan, S Karthika	Study on Reinforced Concrete (RC) Beam using Composite Material Under Flexural Loading	Journal of Advanced Cement & Concrete Technology	Volume 4 Issue 2 2021 DOI: https://doi.org/10.5281/zenodo.5155338
4	N Radhakrishnan, S Karthika	Experimental Investigation on Flexural Behavior of Self-Compacting Concrete	Journal of Ceramics and Concrete Sciences	e-ISSN: 2582-1938 Volume-6, Issue-2 (May-August, 2021)
5	Aisswarya. R, Gowthaman. P, RadhaKrishnan.N, Selvakumar.S, Karuppasamy Alias Anand.M	Effect of confinement of concrete column using carbon fiber wrapping	International Journal of Application or Innovation in Engineering & Management (IJAIEEM)	ISSN 2319 – 4847, Volume 7, Issue 8, August 2018

List of Patent Publications:

SI No	Title	Application No	Year	Status
1	Production of Eco-Friendly Paver Blocks using Ceramic	202541126669	2026	Published

SI No	Title	Application No	Year	Status
	Tile Waste as Coarse Aggregate			
2	Fiber Reinforced Rubber Weathering Joint for Pavement	202141004603	2021	Granted
3	Foamed Geopolymer Paver	202141046448	2021	Granted

Achievements/Awards:

1. **Won Best Research Poster Award (Second Prize)** for the work on Thermal and Durability Studies on the Interfacial Bond Behavior of Sustainable Bio-Fiber Based UHTCC, PSG CIVIL SUSTAIN 2026 – Coimbatore. during 06–07 March 2026.

Professional Bodies/Membership:

1. Member of the Institution of Engineers – India (IEI) from 2024 onwards. Certificate Number: **M-1809703**
2. Associate Fellow member of the Society of Energy, Materials and Sustainability (SEMS) from 2025 onwards. Certificate Number: **SEMS-25A0107**
3. Life Member of Green ThinkerZ, Professional Membership, and Certified. An Organisation working on the United Nations Sustainable Development Goals (SDGs). Certificate Number: **0310139**
4. Member of the International Association of Engineers (IAENG) Certificate Number: **334263**.

International Course Participation:

Attended **GIAN** Course on the topic of “GFRP Bar Reinforced Concrete Construction: Theory, Analysis and Design” conducted by **IIT Hyderabad, Department of Civil Engineering from 04.08.2025 to 14.08.2025**.

AREA OF INTEREST

- Life Cycle Assessment
- Structural Dynamics
- Sustainable-based innovative materials
- Concrete Technology
- Soil Mechanics & Foundation Engineering

SOFTWARE PROFICIENCY

- Origin Pro
- Digital Image Correlation Analysis
- Auto CADD
- Staad Pro.V8i

NPTEL Courses Details:

S. No	Year	Subject Name	Marks	Status/ Performance
1	2024	Sustainable Engineering Concepts and Life Cycle Analysis	77	Elite + Silver
2	2024	Strategies for Sustainable Design	69	Elite
3	2025	Maintenance and Repair of Concrete Structures	55	Completed

International Conference Attended Details:

1. Maheswaran Chellapandian, **Narayanan Radhakrishnan**, M. Tamilarasan, B. Manoj Kumar, M. Tharun Kumar, presented a paper titled “Interfacial Bond Behavior of Natural Fiber-based Ultra-High Toughness Cementitious Composite Matrix” at the 14th Structural Engineering Convention (**SEC 2024**) organized by the Department of Civil Engineering, **NIT- Trichy (ISBN No: 979-889171163-1)**.
2. **Narayanan Radhakrishnan**, Maheswaran Chellapandian, Seeni Bright Singh, presented a paper titled “Life Cycle Assessment of Bio-Fiber vs Artificial Fiber based Engineered Cementitious Composites” at the 14th Structural Engineering Convention (**SEC 2024**) organized by the Department of Civil Engineering, **NIT- Trichy (ISBN No: 979-889171163-1)**.
3. **N. Radhakrishnan**, M. Chellapandian, V. Hari Hara Pandiyan, presented a paper in the Third International Conference on Construction Materials and Structures (**ICCMS 2025**) titled “Effect of Thermal Exposure on the Interfacial Bond Characteristics of Novel Natural Fiber Reinforced UHTCC,” organized by the Department of Civil Engineering, **IIT – Tirupati**, dated on 03.07.2025 to 05.07.2025.
4. **N. Radhakrishnan**, M. Chellapandian, presented a paper titled “Effect of Elevated Temperature and Natural Fibers on the Interfacial Bond Behavior of Ultra-High Toughness Cementitious Composites” at the International Conference on Sustainable Practices and Advancements in Civil Engineering (SPACE’25), organized by PSG Institute of Technology and Applied Research from 02.04.2025 to 03.04.2025. (**ISBN No: 978-93-95105-41-5**).
5. **N. Radhakrishnan**, M. Chellapandian, and V. Hari Hara Pandiyan presented a paper titled “Life Cycle Assessment of Natural and Artificial Fiber-Based UHTCC Matrix” at the International Conference on New Gen Technologies for Sustainable Development, organized by the Department of Civil Engineering, Nehru Group of Institutions, Coimbatore, from 27.03.2025 to 29.03.2025. (**ISBN No: 978-93-341-4255-6**).
6. **Radhakrishnan N**, Chellapandian M presented a paper in the Fifth International Conference on Innovations in Civil and Structural Engineering (ICICSE 2026) titled “Behavior of Bio-Composite

Laminate Slab Panels Subjected to Impact Loading,” organized by Kongunadu College of Engineering and Technology, Trichy, dated 23-24 March 2026.

Research Poster Conference Details:

1. **N. Radhakrishnan** and M. Chellapandian presented a research poster titled “Thermal and Durability Studies on Interfacial Bond Behavior of Sustainable Bio-Fiber Based Ultra-High Toughness Cementitious Composites” at the Two-Day Research Poster Presentation on “Sustainable Construction Materials and Innovative Designs” (PSG CIVIL SUSTAIN 2026), organized by PSG College of Technology, Coimbatore, during 06–07 March 2026.

2. **N. Radhakrishnan** and M. Chellapandian presented a research poster titled “Impact Resistance of Bio-composite Panels using Natural Fiber ECC Matrix and Mat System” at the Two-Day Research Poster Presentation on “Sustainable Construction Materials and Innovative Designs” (PSG CIVIL SUSTAIN 2026), organized by PSG College of Technology, Coimbatore, during 06–07 March 2026.

SUBJECTS HANDLED (UG, PG):

Sl No	Name of the Subject	Sl No	Name of the Subject
1	Structural Dynamics & Earthquake Engineering	10	Applied Hydraulic Engineering
2	Prestressed Concrete Structures	11	Mechanics of Fluids
3	Foundation Engineering	12	Soil Mechanics
4	Railways, Airport & Harbor Engineering	13	Surveying
5	Highway and Railway Engineering	14	Structural Dynamics
6	Research Methodology and IPR	15	Experimental Techniques and Instrumentation
7	Environmental Science & Engineering	16	Air Pollution Management
8	Engineering Geology	17	Hydraulic Engineering Laboratory
9	Soil Mechanics Laboratory	18	Concrete & Highway Engineering Laboratory

PROJECTS GUIDED (UG & PG)

1. Experimental investigation on concrete using steel fiber and fly ash
2. Planning and designing of a passive solar energy building
3. Experimental investigation on self-leveling concrete using fiber
4. Experimental investigation on expanded polystyrene concrete by using polyester fiber
5. Experimental investigation on self-curing concrete by using silica fume & polypropylene fiber
6. Experimental study on the use of sugarcane baggasse ash in concrete by cement replacement

WORKSHOPS AND IN-PLANT TRAINING

1. Participated in the five-day GUJCOST-DST Sponsored Short-Term Training Program on “AI & Machine Learning Applications in Civil Engineering” at Gujarat Technological University – Institute of Technology & Research (GTU-ITR), Mehsana, Gujarat, from 02–06 June 2026.
2. Participated in the online workshop titled “ML for Civil Engineering Hands-on Training” organized by SCE at Vellore Institute of Technology (VIT), Chennai, on 31 March 2026.
3. Participated in a two-day National-level online workshop on “Exploring Cutting Edge AI Tools: Google Gemini, Meta AI and Perplexity”, organized by the Department of Artificial Intelligence, Mannar Thirumalai Naicker College, Madurai, conducted from 22.10.2024 to 23.10.2024.
4. Participated in the National Workshop on “Advances in Alternative Construction Materials for Structural Applications”, held at PSG College of Technology, Coimbatore, on 27–28 September 2024.
5. Participated in the workshop on “Sustainable Construction Practices for Better Tomorrow” organized by technoVIT’24 at Vellore Institute of Technology (VIT), Chennai, on 14 September 2024.
6. Participated in the 5-day National Workshop on “Field Oriented Challenges in Civil Engineering (FOCCE-2024)”, held virtually at NIT Jamshedpur from 05 August 2024 to 09 August 2024.
7. Attended a live training webinar on “Tutorial Guide for Review Article Writing” conducted by Research Graduate–PhD Consulting Company on 25 May 2024.
8. Attended a one-week Faculty Development Program on “Role of Green Technologies in Sustainable Development” at KSR College of Engineering, Tiruchengode, from 10 May 2024 to 16 May 2024.
9. Attended a six-day Virtual Faculty Development Program on “Modeling and Simulation Software in Civil Engineering” at Sri Krishna College of Technology, Coimbatore, from 26 February 2024 to 02 March 2024.
10. Attended a two-day workshop on “AI Tools in Scientific Writing” at KPR Institute of Engineering and Technology, Coimbatore, from 02 February 2024 to 03 February 2024.
11. Attended a one-day workshop on “Retrofit of Structures using FRP: Case Studies and Hands-on Design” at NIT Tiruchirappalli on 29 January 2024.
12. Attended in-plant training at KCD Construction, Edi builders and Corel constructions.
13. Attended in-plant training at Tamil Nadu Cements Corporation Ltd., Alangulam.
14. Attended a workshop on CPM, PERT and CPS during the State Level Technical Workshop at PSR Engineering College.
15. Attended a workshop on “Emerging Trends in Environmental and Transportation” during the State Level Technical Workshop at VOC Engineering College, Thoothukudi.