

**Dr. R. YUVARAJA M.E., Ph.D., MISTE**

Assistant Professor /Department of Civil Engineering  
Velammal College of Engineering and Technology, Madurai

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Blog Address: <http://eryuvaraja.weebly.com/> and <https://firststepengineering.blogspot.com/>

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**Educational Qualification:**

| Degree | Institute / University  | Year | Field of Specialization | Percentage/ CGPA |
|--------|---|------|-------------------------|------------------|
| Ph.D.  | Anna University, Chennai  | 2021 | Civil Engineering       | -                |
| M.E.   | K.S.R College of Engineering, Thiruchengode (Affiliated to Anna University of Technology, Coimbatore) | 2011 | Structural Engineering  | 8.07             |
| B.E.   | P.S.N.A College of Engineering, Dindigul, (Affiliated to Anna University, Chennai)                    | 2009 | Civil Engineering       | 68%              |

**Experience in Years:** 11.5 Years

**Employment History:**

| University / College / Organisation                        | Designation         | Period                  | Years of Experience |
|--|---------------------|-------------------------|---------------------|
| Velammal College of Engineering and Technology, Madurai    | Assistant Professor | 10.01.2022 – Till date  | -                   |
| Knowledge Institute of Technology, Salem                   | Assistant Professor | 01.08.2018 - 25.09.2021 | 3 .3 years          |
| V.S.A Group of Institutions, Salem                         | Assistant Professor | 01.06.2011 – 30.07.2018 | 7.2 years           |
| D. SUNDER P.W.D I <sup>st</sup> class contractor, Madurai. | Site Engineer       | 2005-2006               | 1 year              |

**Interested Research Areas:**

- ✓ Earthquake Engineering and Seismic Risk Management,
- ✓ Innovative Structural Systems and Structural Rehabilitation,
- ✓ Sustainable Concrete and Eco Materials.
- ✓ Green Concrete Eco-Friendly Constructions
- ✓ Industrial Waste Management
- ✓ Structural design and Earthquake Studies

**Honors and Awards received:**

- ✓ Secured Second Place in the overall Academic Performance during the academic year 2015-16
- ✓ Reviewer in Advances in Science, Technology and Engineering Systems Journal (ISSN: 2415-6698 & Reviewer Code-AJRO7233)

## **Funded Research Projects: Nil**

**Publications Details:** (will be either in Table (or) Paragraph starting with the latest publication)

### **1. Patent Journal Publication Details: Nil**

### **2. International Journal Publication Details:**

- ✓ Journal of Environmental Protection and Ecology. “PERSPECTIVE APPRAISAL OF GROUND-GRANULATED BLAST-FURNACE SLAG INFUSED E-CONCRETE WITH HYPO-SLUDGE AS THE SELF-CURING SYSTEMIC CATALYST”, Vol 19, NO. 04, pp 1640-1649 (2019)
- ✓ International Journal of Applied Engineering Research. “EXPERIMENTAL STUDY ON FLEXURAL BEHAVIOUR OF FERROCEMENT COMPOSITE SLAB”, Vol. 10, No.57, PP 35-40 (2015)
- ✓ International Journal of Chem Tech Research. “EFFECT OF PARTIAL REPLACEMENT OF CEMENT WITH NEEM GUM ON THE STRENGTH CHARACTERISTICS OF HIGH-PERFORMANCE CONCRETE”, Vol.8, No.1, pp 178-183, 2015.
- ✓ International Journal of Applied Engineering Research “INVESTIGATION ON PARTIAL REPLACEMENT OF FINE AGGREGATE WITH UNEXPANDED PERLITE IN CONCRETE”, Vol.9, No. 24, pp. 29257-29271, 2014.

**3. BOOK DETAILS:** “Basic Civil and Mechanical Engineering”, Thakur Publication. PVT. LTD. Chennai. [www.tppl.org.in](http://www.tppl.org.in). ISBN: 9789387483484

### **4. International Conference Presentation Details:**

- ✓ Presented a paper titled “STURDINESS PERFORMANCE OF CONCRETE INCORPORATING HYPO SLUDGE AS A SELF-CURING CATALYST” in the 2nd International Conference on Sustainable Practice in Civil Engineering (SPICE 2017) ORGANIZED by Department of Civil Engineering, KPR Institute of Engineering Technology, Coimbatore on 10th and 11th April 2017.(ISBN978- 93-86176-74-5)
- ✓ Presented a paper titled “A PILOT STUDY ON PHOTOCATALYTIC HYDROGEN PRODUCTION FROM SULPHIDE WASTEWATER USING CERIUM DOPED TITANIUM OXIDE SPHERICAL NANOCATALYST” in the 2nd International Conference on Sustainable Practice in Civil Engineering (SPICE 2017) ORGANIZED by Department of Civil Engineering, KPR Institute of Engineering Technology, Coimbatore on 10th and 11th April 2017. (ISBN978- 93-86176-74-5)
- ✓ Presented a paper titled “MECHANICAL PROPERTIES AND DURABILITY STUDIES OF CEMENT MORTAR USING CONCRETE WITH NATURAL GUM VISCOSITY ENHANCER” in the 2nd International Conference on Sustainable Practice in Civil Engineering (SPICE 2017) Organized by Department of Civil Engineering, KPR Institute of Engineering Technology, Coimbatore on 10th and 11th April 2017. (ISBN978-93-86176-74-5)

### **5. National Conference Presentation Details:**

- ✓ Presented a paper titled “Experimental Investigation on Paper Sludge Based Concrete” in the Fourth National Conference on Innovations in Concrete and Construction ICON’18 on 6th and 7th March 2018 held at Sona College of Technology, Salem.

- ✓ Presented a paper titled “Monotonous of Steel Slag in High Strength Concrete” in the National Conference NCSETM 2K18 held at Annapoorana Engineering College, Salem on 25th January 2018.
- ✓ Presented a paper entitled “Experimental investigation on compressive strength of concrete with paper sludge as self-curing agent” in the third national conference on ICE’11 in the year 2011.
- ✓ Presented a paper entitled “Flexural Strengthening of Unreinforced Masonry with FRP Bars” in the AICTE sponsored National Conference on Advancement in Concrete Technology (NCACT -10) Organised by Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode, on 23rd and 24th September 2010.
- ✓ Presented a paper entitled “Experimental Study on Load Deflection Curve of Open Web Encased Beam” in the CSIR sponsored National Conference on Contemporary Challenges & Pioneering Technologies in Civil Engineering at K.S.R. College of Engineering in the year 2010.

1. Research Papers Presented in International Conference: 03
2. Papers Presented in National Conference: 05
3. Research Papers Published in International Journal: 04
4. Book Published in (ISBN – 9789387483484): 01

## 6. Google Scholar report:

**YUVA RAJA R**  
 Assistant Professor Civil Engineering  
 Verified email at kiot.ac.in - [Homepage](#)  
 Green Concrete Eco Friendly Constructions

|           | All | Since 2017 |
|-----------|-----|------------|
| Citations | 8   | 8          |
| h-index   | 1   | 1          |
| i10-index | 0   | 0          |

| TITLE   | CITED BY | YEAR |
|---|----------|------|
| Effect of partial replacement of cement with Neem Gum on the strength characteristics of high performance concrete<br>MGL Annaamalai, G Maheswaran, R Yuvaraja, R Jayakodi<br>International Journal of Chemtech Research 8 (1), 178-183         | 8        | 2015 |
| "EXPERIMENTAL INVESTIGATIONS ON GGBS ADDED CONCRETE WITH PAPER SLUDGE AS SELF-CURING AGENT"<br>Y R<br>Anna University   |          | 2021 |
| PERSPECTIVE APPRAISAL OF GROUND-GRANULATED BLAST-FURNACE SLAG INFUSED E-CONCRETE WITH HYPO-SLUDGE AS THE SELF-CURING SYSTEMIC CATALYST<br>AGSR R. YUVARAJA*, G. MAHESWARAN<br>Journal of Environmental Protection and Ecology 19 (4), 1640-1649 |          | 2019 |

Co-authors: [MGL Annaamalai](#) Assistant Professor in Civil Engin... [EDIT](#)

## 7. Membership in Professional Societies:

- ✓ Life Time Member of Indian Society for Technical Education (LM110652)