

Faculty Profile



Ms. S. Yamini Roja , M.E., (Ph.D)
AP– Civil

HIGHLIGHTS:

- Number of Journal Publications: 25
- H-Index: 2
- Project Funding Received: Nil
- Patents Published: 3
- Patents Granted: Nil

PROFESSIONAL LINKS:

- Scopus ID: 57194242241
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57194242241>
- Google Scholar ID: <https://scholar.google.com/citations?user=hLos7YwAAAAJ&hl=en>
- Anna University Faculty ID: 2122658
- AICTE Faculty ID: 12371392927
- Anna University Supervisor ID: NA
- LinkedIn: <https://www.linkedin.com/in/yamini-roja-s-5918b52b5/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 10 Years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Nil

AREA OF SPECIALIZATION:

- Structural design
- Concrete Technology

Ph.Ds AWARDED WITH DETAILS: Nil

S.No.	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING:

- **Full Time Scholars:** NA
- **Part Time Scholars :** NA

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Nil

PATENTS PUBLISHED/GRANTED:

- ‘Constructai: Revolutionizing Construction with Machine Learning And AR/VR’. Patent Number: 202341076470 (22-Dec-2023)
- ‘Cryptoremit: Revolutionizing cross border money transfers with block chain’. Patent number: 88700(15-Dec-2023). (Applied for Grant).
- ‘Constructsmart : Predictive Cost Management System’.(01-March-2024)

COURSES CERTIFIED:

- Cleared BEC (Business English Certification) examination with CEFR Level as B1.
- Completed IUCEE International Engineering Educator Certification Program Fall 2023 with 92.31 %.

NPTEL

- Plastic Waste Management – Successfully completed the course with Elite + Silver
- Air Pollution and Control – Successfully completed the course with Elite + Silver
- Basic Construction Materials-Successfully completed the course with Elite
- Advanced Topics in the Science and Technology of Concrete – Passed the course and received modified certificate (Covid-19 impacted January 2020 semester)
- Geotechnical Engineering Laboratory-I Successfully completed the course with Elite + silver
- Electronic waste management-issues and challenges- Successfully completed the course with Elite + gold
- Structural Health Monitoring- Successfully completed the course
- Concrete Technology-Successfully completed the course

COURSERA

- Introduction to Engineering Mechanics
- Air Pollution-A threat to human life
- Introduction to Google Docs
- Renewable Energy and Green Building Entrepreneurship
- AI for everyone
- Introduction to indoor Air Quality

ACHIEVEMENTS AND AWARDS:

- **Topper** (One of the top 1% of certified candidates) for the NPTEL online course ‘Electronic waste management-issues and challenges’ with **97%** marks

SPECIAL SESSIONS DELIVERED:

- Delivered a lecture for the National Workshop on “Statistical Inference and its Applications for Engineers” organized by Sri Ramakrishna Institute of Technology, Coimbatore on 28.09.2018

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Attended one day workshop on **Geospatial Inclinations towards Water Industry** organized by S.A. Engineering College on 28th October 2024
2. Attended NAAC sponsored Two Day's workshop on **National Education Policy 2020 : Transforming Vision into Quality Engagement at Higher Education Institutions** organized by Guru Nanak Institute of Engineering & Technology, Nagpur during 13-14 March 2023.
3. Attended two-days seminar on **Fundamentals and Applications of Textile Reinforced Concrete Construction in India** sponsored by Indian National Science Academy, New Delhi during 28-29 October 2022 at Dr.Mahalingam College of Engineering and Technology, Pollachi.
4. S.Yamini Roja, K.Murali and V.M.Shanthi, '**Review on Structural Health Monitoring using Advanced Techniques**' Proceedings of 6th International Conference on Emerging Trends in Engineering Management and Applications (ICETEMA-2022) at PET Engineering College, Vallioor on 10th June 2022. (pp-21)
5. S.Vignesh Bharathi, S.Yamini Roja and Vishali , '**Carbon Footprint studies –A Review**' National Conference on Sustainable Developments in Civil Engineering (NCSDC E 2022) at Sethu Institute of Technology, Virudhunagar on 25.05.2022
6. Gurumoorthy.C, Yamini Roja S, Pradeep M & Saran S P , '**A Review on Coastal Erosion Prevention using Geotextile Bags**' International Conference on Triple Helix Ecosystem for Earth, Environment and Energy THE3E 2020 at PSG Institute of Technology and Applied Research Neelambur, Coimbatore during 18-19 March 2020.(pp-43)
7. Workshop on **Precast Concrete Light Weight Large EPS Panels for Mass Housing** organized by CSIR-SERC on 2nd March 2020.
8. Seminar on **Green Building - Role of Rain Water Harvesting & Area of Focus When Building Green** conducted by Coimbatore Civil Engineers Association (COCENA) on 18th September 2019.
9. Workshop on **Recent Trends in Geotechnical Engineering** sponsored by IGS, Trichy Chapter and conducted by NIT, Trichy during 7-8 June 2019.
10. S.Yamini Roja, A.Anusuya, SP.Keerthana, S.Lakshmanan and C.Prakash, '**Review on Partial Replacement of Fine Aggregate by Copper Slag, E-Waste And M-Sand**' International Conference on Informatics, Robotics, Construction & Communication at Peri Institute of Technology, Chennai during 7-8 April 2018.(pp-3)
11. Continuing education program on Workshop on **The Revised Wind Load Code IS 875 Part III (2015)** conducted by IITM on 4th February 2018.
12. Workshop on **Research Methodology and Writing Funding Proposals** at Sri Ramakrishna Institute of Technology on 22nd December 2017.
13. Two days workshop on **Cement and Concrete-An insight into a wonderful world** at Sri Ramakrishna Institute of Technology during 9-10 February 2017.

14. Two days National level workshop on **Advances in Artificial Intelligence** at Sri Ramakrishna Institute of Technology during 22-23 December 2016.
15. One day workshop on **Structural Design Concepts of Precast Building** at Sona College of Technology on 15th October 2016.
16. ISRO sponsored National seminar on **GIS Solutions for Highway Traffic Management** at Nandha Engineering College, Perundurai on 30th April 2016.
17. Two day workshop on **Fracture Mechanics of concrete** at Amrita School of Engineering during 11 - 12 January 2016.
18. One day workshop on **Development of Sustainable Infrastructure** sponsored by UGC at Coimbatore Institute of Technology, Coimbatore on 20th August 2015.
19. One day workshop on **Recent Advances in Construction Techniques** sponsored by UGC at Coimbatore Institute of Technology, Coimbatore on 14th August 2015.
20. S. Yamini Roja, S. Marvel Dharma and P. Magudeaswaran **Comparative Study on Flexural Behaviour of Concrete Beams Reinforced with GFRP & Steel Bars** National Conference on Materials and Technologies for Sustainable Infrastructure at Government College of Technology, Coimbatore during 7-8 May 2015. (pp-174-181)
21. National seminar on **Modern Trends in Foundation Engineering** in collaboration with IGS Coimbatore chapter at Sri Ramakrishna Institute of Technology, Coimbatore on 25th March 2015.
22. Presented a paper in International Conference on Emerging Trends in Science, Engineering & Technology titled **Studies on Flexural Behaviour of Concrete Beams Reinforced with GFRP Bars** at Jerusalem College of Engineering, Chennai during 18-19 April 2014.
23. Workshop on **Vibration – Measurement and Control** at Dr. Mahalingam College of Engineering & Technology, Pollachi on 20th April 2013.
24. National Level one day Seminar on **Earthquake Resistant Design and Construction of Steel and Concrete Structures** sponsored by Ministry of Earth Sciences, New Delhi at VLB Janakiammal College of Engineering and Technology, Coimbatore on 27th July 2011.
25. One day workshop on **Tsunami and the Protection Measures** sponsored by DRDO at Jansons Institute of Technology, Coimbatore on 23rd July 2011.
26. One day workshop on **Modern Developments in Construction Technology** organized by Sengunthar Engineering College, Tiruchengode on 19th August 2010.

PROFESSIONAL MEMBERSHIPS:

- Life member in ISTE

OTHER DETAILS (If any):

- Nil