

Faculty Profile



Dr. J. HERBERT SINDUJA , M.E., Ph.D
Assistant Professor (OG) – Civil

HIGHLIGHTS:

- Number of Journal Publications: 7
- H-Index: 4
- Project Funding Received: 1
- Patents Published: Nil
- Patents Granted: Nil

PROFESSIONAL LINKS:

- Scopus ID: 57964416400
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57964416400>
- Google Scholar ID:
<https://scholar.google.co.in/citations?user=MrUHEbcAAAAJ&hl=en>
- Anna University Faculty ID: XXXX
- AICTE Faculty ID: 1-44796527323
- Anna University Supervisor ID: Nil
- LinkedIn: <https://www.linkedin.com/in/dr-herbert-sinduja-joseph-0976b321b/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 11 years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Joseph, H.S., Pachiappan, T., Avudaiappan, S., 2023, “Design of experiment on recycled aggregate concrete using fuzzy logic and response surface methodology”, Proceedings of International Conference on Advanced and Emerging Materials, Materials MDPI, Barcelona, Spain, on 19-21 October 2022. The abstract can be found online at: <https://icm2022.sciforum.net/#session2438>.

AREA OF SPECIALIZATION:

- Recycled aggregate concrete
- Optimization techniques
- Microstructural Characterization
- Statistical analysis

Ph.Ds AWARDED WITH DETAILS: Nil

Ph.Ds GUIDING: Nil

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

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Got award of Anna Centenary Research Fellowship from January 2021 to December 2023.

PATENTS PUBLISHED/GRANTED: Nil

COURSES CERTIFIED:

- Completed NPTEL Online Certification twelve-week course on Development and Applications of Special Concretes during Jan – March 2023 (Elite).
- Completed NPTEL Online Certification twelve-week course on Fundamentals of Artificial Intelligence during Jul – Oct 2022 (Elite).
- Completed NPTEL Online Certification twelve-week course on Optimization Methods for Civil Engineers during Jul – Oct 2022 (Elite).
- Completed NPTEL Online Certification eight-week course on Safety in construction during Feb – Apr 2022 (Elite).
- Completed NPTEL Online Certification eight-week course on Fuzzy Logic and Neural Network during Feb – Apr 2022 (Elite).
- Completed Swayam ARPIT online course certification for Career Advancement Scheme Promotion Sustainable Construction Materials & Techniques with a "A" Grade in the proctored examination held on 16.02.2020, NITTTR Chennai.
- Completed the online course on Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading in Georgia Institute of Technology, Coursera on 08.07.2020.
- Completed the online course on Mechanics of Materials III: Beam Bending in Georgia Institute of Technology, Coursera on 25.07.2020.
- Completed the online course on Municipal Solid Waste Management in Developing Countries, EPFL, Coursera on 14.06.2020.
- Completed the online course on Introduction to Engineering Mechanics in Georgia Institute of Technology, Coursera on 19.06.2020.

- Completed the online course Applications in Engineering Mechanics in Georgia Institute of Technology, Coursera on 16.7.2020.

ACHIEVEMENTS AND AWARDS:

- University Rank Holder in M.E degree.
- Award of Anna Centenary Research Fellowship.

SPECIAL SESSIONS DELIVERED: Nil

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Participated in the online GIAN course on ‘Recycled Aggregates: Characteristics and Use in Concrete, incorporating Case Studies, Standards/Specifications and Environment Impact Considerations in by Dr B R Ambedkar National Institute of Technology, Jalandhar during 28 November to 2 December 2022.
- Joseph, H.S., Pachiappan, T., Avudaiappan, S., 2023, “Design of experiment on recycled aggregate concrete using fuzzy logic and response surface methodology”, Proceedings of International Conference on Advanced and Emerging Materials, Materials MDPI, Barcelona, Spain, on 19-21 October 2022. The abstract can be found online at: <https://icm2022.sciforum.net/#session2438>.
- Participated in the online advanced course on Recent Advances in Concrete Technology & Durability of Concrete Structures in CSIR- SERC, Chennai during 24-26 August 2022.
- Participated in the international webinar on The Engineer of the Future – Civil Vision 2030 FORCE – Forum of Civil Engineering in association with the office of International Affairs, Presidency University, Bengaluru on 10 August 2022.
- Participated in the workshop on Effective Patent Search and Drafting – 2022 in Centre for Intellectual Property Rights, Anna University, Chennai during 18 – 22 July 2022.
- Participated in the online advanced course on Smart Materials and Intelligent System Design in CSIR- SERC, Chennai during 5-6 May 2022.
- Participated in the US2020 Partnership Workshop on FRP Materials and Sustainable Structures in BITS Pilani, Pilani Campus, India on 04.03.2022.
- Participated in the online short-term course on Artificial Intelligence and Machine Learning Applications in NIT, Warangal in association with center for continuing education on 28.03.2022 – 01.04.2022.
- Participated in the online faculty development programme on Computer Deligence in Civil Engineering Applications in NTT, Warangal and Sreenidhi Institute of Science and Technology, Hyderabad during 21-30 March, 2022.
- Participated in the one-day workshop on Digital Resources for Learning Research Methodology: A Researcher’s Perspective in Anna University, Chennai on 25 February 2022.
- Participated in the two days national workshop on Lean Concepts and Impact Assessments Towards Sustainability in Indian Construction Industry in Anna University, Chennai on 25 February 2022.

- Participated in the online advanced course on Utilization of Industrial Solid Waste in Concrete Applications in CSIR- SERC, Chennai during 28-29 October 2021.
- Completed the online course on Disaster Preparedness in University of Pittsburgh, Coursera on 06.06.2020.
- Participated in the faculty development programme on Structural Dynamics & Earthquake Engineering in Bharat Institute of Higher Education and Research, Biher during 16 – 18 December 2019.
- Participated in one day seminar on Urban Rain Water Harvesting in Jerusalem College of Engineering association with The Institute of Engineers, India on 23.10.2019.
- Participated in the one-day faculty development programme on Transform and Develop – The Research Work into Patent in Jerusalem College of Engineering, Chennai on 21.6.2019.
- Sinduja, J., Viniston, E.F., JaiGanesh, T., 2019 "Effect of metakaolin on the strength properties of concrete" Proceedings of the international Conference on Emerging Trends in Science, Engineering and Technology organized by Jerusalem College of Engineering, Chennai on 22.3.2019.
- kumar, G., Sinduja, J., Subharanjani, R., Devi, G., 2019, "Strength properties of concrete with M-sand & Replacement of cement with silica fume, Steel fiber", organized by Jerusalem college of Engineering, Chennai on 22.3.2019.
- Sinduja, J., Shivaji, S., Prabhakaran, K., 2019, "Experimental study on concrete with Glass fiber as an additive" organized by Jerusalem college of Engineering, Chennai on 22.3.2019.
- Participated in the faculty development programme on Limit State Design of Steel Structures in KCG College of Technology, Chennai during 26 – 28 November 2018.
- Participated in the Two – weeks ISTE STTP on Introduction to Structural Engineering in Indian Institute of Technology, Kharagpur during 30.11.2015 – 09.01.2016.
- Undergone practical training on structural design and detailing of Residential and Commercial buildings in A.D. Kamashwarun aarch consortium during 18.6.2014 – 18.7.2014.
- Participated in the workshop on Finite element software at MEPCO, Sivakasi on 19 – 20 September 2014.
- Participated in the awareness programme on National Mission on Enhanced Energy Efficiency in Cape Institute of Technology, Levengipuram on 22.12.2010.
- Undergone training in the Constructions of coastal protection structures in PWD Office, Nagercoil during 18 – 22 December 2006.
- Participated in the short-term course on Concrete mix design in Alagappa Chettiar College of engineering and technology, Karaikudi on 20 September 2007.

- Undergone training in the Usage of resistivity meter for ground water Investigation in Alagappa Chettiar College of engineering and technology, Karaikudi during 12 – 13 July 2007.
- Undergone training in the GIS Software in Government College of Engineering, Tirunelveli on 17 September 2007.

PROFESSIONAL MEMBERSHIPS:

- American Society of Civil Engineers - 12303466 – Professional Affiliate member

OTHER DETAILS (If any): -