

Faculty Profile



Dr. M.YUVARAJ , M.E., MBA., Ph.D
Assistant Professor (SG)

HIGHLIGHTS:

- ❖ Number of Journal Publications: 4
- ❖ H-Index: 2
- ❖ Project Funding Received: 12.5 Lakhs
- ❖ Patents Published: 2
- ❖ Patents Granted: 1

PROFESSIONAL LINKS:

- ❖ Scopus ID: 7216658582
- ❖ Scopus Link: <https://id.elsevier.com/settings/redirect?code=bUb8zbeJPiYKuGtgAFo8Anxhvm5Tijcqr1iMtGL>
- ❖ Google Scholar ID: <https://scholar.google.co.in/citations?user=ad1pYeEAAA&hl=en>
- ❖ Anna University Faculty ID: 1-7436648208
- ❖ AICTE Faculty ID: 2904424090
- ❖ LinkedIn: <https://www.linkedin.com/in/dr-yuvaraj-m-81796943/>

PROFESSIONAL BACKGROUND:

- ❖ Teaching Experience till date: 11 Years
- ❖ Industrial Experience: Nil

AREA OF SPECIALIZATION:

- ❖ Solar desalination
- ❖ Renewable Energy
- ❖ Thermal Engineering

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

S.No	Agency Name	Scheme and Duration	Title of the Project	Grant Received in Rs	Status
1	DST	IEDC (2020-21)	Handicap Vehicle	2,50,000	Completed
2	DST	IEDC (2020-21)	Karthavya	2,50,000	Completed
3	DST	IEDC (2019-20)	Braille Phablet	2,50,000	Completed
4	DST	IEDC (2019-20)	Smart Helmet	2,50,000	Completed
5	DST	NIMAT (2018- 19)	Entrepreneurship Awareness Camp	60,000	Completed
6	DST	NIMAT (2017- 18)	Entrepreneurship Awareness Camp	40,000	Completed
7	DST	IEDC (2017-18)	Hybrid Solar Desalination System	2,50,000	Completed

PATENTS PUBLISHED/GRANTED:

S.No	Patent Application Number	Title	Date	Status
1	201941031098	Solar hybrid desalination system	09.08.2019	Granted
2	202141034855	Intelligent Head protective safety helmet	03.08.2021	Published
3	202141034861	Hand Held Braille Device and Methods Translating media and text contents into Braille character thereof	03.08.2021	Published

COURSES CERTIFIED:

- ❖ PRO E
- ❖ NPTEL
- ❖ NITTR
- ❖ AICTE ATAL
- ❖ Coursera etc.,

ACHIEVEMENTS AND AWARDS:

S. No.	Event Participation	Achievements	Year
1	Smart India Hackathon	Qualified for Grand Finale	2024
2	SRISHTI 2022, held at Saintgits College of Engineering, Kottayam, Kerala.	Best project award	2022
3	Anna University, Chennai – Kurukshetra	Best Innovative Project award	2022

4	Hindustan University, Chennai	Winners	2022
5	India International Science Festival, Goa	Second Prize	2021

SPECIAL SESSIONS DELIVERED:

S. No.	Institute's Name
1	Rajalakshmi Engineering College
2	R.M.K College of Engineering & Technology
3	Velammal Institute of Technology
4	Jaya Engineering College
5	Adhiparasakthi College of Arts and Science College
6	DMI College of Engineering
7	V.Ramakrishana Polytechnic College
8	P.T.Lee Chengalvaraya Naicker Polytechnic College
9	Velammal Matriculation Higher Secondary School
10	Chennai Higher Secondary School, Choolaimedu
11	Siragu Montessori School, Chennai
12	Saveetha University

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

S.No	Title	Conference	Month and Year
1	Performance analysis of natural conversion solar desalination systems employing acrylic plastic as condenser material	ICAAMME-2024	April 2024
2	Studies on the Effect of Dust Deposition on the Solar Still Cover in the Performance of a Single Slope Passive Desalination System	ICSCT'23	June 2023
3	Studies on the performance of different types of pebbles in solar desalination	International web conference on smart engineering Technology – 2020	June 2020
4	Performance combustion and characteristics of a CI engine using ethanol biodiesel fuel	ICRTE SM2016	July 2016
5	Power Produced Using Solar Panels in the Closed Loop Using a Mirror Reflector	AASSM-2025	March 2025
6	Performance Optimization and Structural Analysis of an Electric Go-Kart Frame Using Ansys	ETAMS-2024	March 2024
7	Nanomaterials and Nanotechnology an Automotive E-Manufacturing	ETAMS-2024	March 2024
8	Nanomaterials and Nanotechnology an Fuel Cell vehicles	ETAMS-2024	March 2024

9	Design And Development Of Three Way Powered Hybrid Bicycle With Foldable Solar Panel	ERAMS-2020	March 2020
10	A short review on Humidification - Dehumidification in solar desalination system	ERAMS-2020	March 2020
11	Enhancement in Brake Lining Mixer Machine to Achieve the Timely Proscribed Feed Rate of Composites by Interfacing with Microcontroller	ERAMS-2019	March 20, 2019
12	Analysis and Improvisation of Nut Runner Machine Capability Using Statistical Process Control	ERAMS-2018	March 14, 2018
13	Automation of Adhesive Weight Compression Jig Using Pneumatic Circuitry and PLC Control	ERAMS-2018	March 14, 2018
14	Design, Analysis and Fabrication of Aerodynamic Advancement in Two Wheelers	ERAMS-2017	March 18, 2017
15	Performance and emission Characteristics of an diesel-LPG dual fuel in greaves engine	CIAMIT 2016	August 2016
16	Design and Fabrication of Fan blade using Fibre reinforced composite	CIAMIT 2016	August 2016
17	Design and Fabrication of connecting rod for an SI engine using Magnesium alloy reinforced with SiC	CIAMIT 2016	August 2016
18	FEM Study of modified gear tool in polymer gears	CIAMIT 2016	August 2016
19	Design, Fabrication And Analysis Of Welding Fixture Having Higher Accuracy Without Using Robots.	CRAMS'2016	2016
20	Performance Enhancement In Diesel Engine By Coating Aluminium- Titanium In Combustion Chamber With Varying Coating Thickness	TAME 2015	2015

PROFESSIONAL MEMBERSHIPS:

- Member of Indian society of Technical Education (ISTE)
- Member of the institute of engineers (India) (IEI)
- Members of Society of Automotive Engineers (SAE)
- International Association of Engineers (IAENG)

OTHER DETAILS (If any):

- Founder – Ilakkanam Private Limited
- Completed MBA – Operational Management in Madras University
- IDEA LAB In-charge – SEC

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