

<b>Name</b>	<b>Dr. M. KIRUBAKARAN</b>			
<b>Contact (office)</b>	Assistant Professor Department of Mechanical Engineering M.I.E.T. Engineering College Trichy.			
<b>Email</b>	kirubakaran.m@miet.edu			
<b>Educational Qualifications</b>	<b>DEGREE</b>	<b>EDUCATIONAL INSTITUTION</b>	<b>BOARD/ UNIVERSITY</b>	<b>YEAR OF PASSING</b>
	<b>Ph.D., Mechanical</b>	National Institute of Technology (NIT), Trichy	National Institute of Technology (NIT), Trichy	2021
	<b>M.E., Mechanical</b>	Government College of Technology (GCT), Coimbatore	Anna University, Chennai	2007
	<b>GATE Exam Qualified</b>	IIT Bombay	IIT Bombay	2005
	<b>B.E., Mechanical</b>	AnjalaiAmmal Mahalingam Engineering College, Thiruvarur	Bharathidasan University	2004
<b>Professional Career Profile</b>	<b>Organization</b>	<b>Designation</b>	<b>Date of Joining</b>	<b>Duration of work</b>
	M.I.E.T. Engineering College	Lecturer	26.05.2010	26.05.2011
	M.I.E.T. Engineering College	Assistant Professor	26.05.2011	Till Date
<b>Membership in Professional Bodies</b>	MISTE (Life Member)			
<b>Academic Areas of Interest</b>	Alternate Energy, Biofuels, Engine Study			
<b>Administrative Capabilities</b>	<ul style="list-style-type: none"> <li>➤ Timetable In-charge in the Mechanical Engineering department from 2011-2021.</li> <li>➤ In-charge for the preparation of MIET digests in the Mechanical Engineering department from 2011-2019.</li> <li>➤ In-charge for the preparation of MIET Newsletter in the Mechanical</li> </ul>			

Engineering department from 2015-2019.

- In-charge for the preparation of Memory Book in the Mechanical Engineering department from July 2011 to March 2021.
- Dynamics Lab In-charge in the Mechanical Engineering department from 2011-2021.
- Students Mark sheet distribution in the Mechanical Engineering department from 2011-Till now.
- In-charge for the Registration committee in the Convocation functions in the Mechanical Engineering department from 2011-Till now.
- In-charge for the Registration committee in the Symposium in the Mechanical Engineering department from 2012-Till now.
- In-charge for the Registration committee in the Job Fair Programme in the Mechanical Engineering department from 2016- 2018.
- Acted as Co-ordinator for the M.E. Manufacturing Engineering in the Mechanical Engineering department from 2012- 2014.
- Got Seed money of Rs.50,000/- from the M.I.E.T. Management for establishing Biodiesel Research Lab in the Mechanical Engineering department in the year 2019.
- In NBA activities In-charge for Criterion-5 in the Mechanical Engineering department.
- In-charge for conducting PROJECT EXPO in the Mechanical Engineering department in the year 2019.
- Worked for the distribution of college brochure in various mosques and schools in Thanjavur district in the year 2020.
- Visited various schools in Trichy district related to admission work from 2016 to 2020.
- Arranged Industrial visit for second year Mechanical Engineering students in the year 2012 and final year students in the year 2017 & 2019.
- Produced 100% result in Robotics subject in the year November 2011.

- |  |   |
|--|---|
|  | <ul style="list-style-type: none"> <li>➤ Organized Value-added course (VAC) on the topic “Six-Sigma” for third and final year Mechanical Engineering students in the academic year 2022-2023 (ODD SEM).</li> <li>➤ Department Single point of contact (SPOC) for NAAN MUDHALVAN (NM) courses for the academic year 2022-2023 (ODD SEM).</li> <li>➤ NAAN MUDHALVAN (NM) course in-charge for “Robotics Simulation for Manufacturing” for the academic year 2022-2023 (ODD SEM).</li> </ul> |
|--|---|

### **LISTOF PUBLICATIONS**

- A comprehensive review of low cost biodiesel production from waste chicken fat- Renewable and Sustainable Energy Reviews, 2018, 82, 390-401(SCIE Journal, Impact factor:12.11, SJR ranking: Q1) **M.Kirubakaran** and V. Arul Mozhi Selvan.
- Eggshell as heterogeneous catalyst for synthesis of biodiesel from high free fatty acid chicken fat and its working characteristics on a CI engine.Journal of Environmental Chemical Engineering, 6, 4490-4503(SCIE Journal, Impact factor:4.3, SJR ranking: Q1) **M.Kirubakaran** and V. Arul Mozhi Selvan.
- Production of biodiesel from waste cooking oil as a suitable alternative for diesel. Journal of applied science and computations, Vol. 5, Issue. 12, 2018, **M.Kirubakaran**, E.Manikandan and P.Pradeep.
- Experimental investigation of production of biodiesel from Pongamia Pinnata oil, Journal of applied science and computations, Vol.3, Issue.2, 2016, **M.Kirubakaran**, E.Manikandan and T.Ramkumar.
- Friction Welding of MgAz31 Alloy Tube to MgAz91 Plate Configuration by using Zinc Interlayer, Journal of applied science and computations, Vol.4, Issue.6, 2017, **M.Kirubakaran**, M. Vishnukumar and L. S. Narendhira.

## **SEMINAR/WORKSHOP/TRAINING PROGRAM**

- A two-day workshop on "Recent trends in Renewable energy Technologies" Organized by Department of Mechanical Engineering, National Institute of Technology (NIT), Tiruchirappali on 26<sup>th</sup> and 27<sup>th</sup> September 2014.
- A two-day workshop on "Engine Research" Organized by Department of Mechanical Engineering, National Institute of Technology (NIT), Tiruchirappali on 7<sup>th</sup> and 8<sup>th</sup> October 2014.
- A two-day workshop on "Introduction to Robotics" Organized by e-yantra, IIT-Bombay held at Saranathan College of Engineering, Tiruchirappali on 15<sup>th</sup> and 16<sup>th</sup> November 2019.

## **INTERNATIONAL CONFERENCE**

- International conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), organized by Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 27<sup>th</sup> - 29<sup>th</sup> September 2014.
- International conference on Sustainable future: Resource recovery & concentrate management, organized by Department of Civil Engineering, Anna University (Guindy Campus), Chennai, 6<sup>th</sup> January 2020.