

KURSAM KRISHNA

Personal Information

Designation : Associate Professor
Qualification : M.Tech, Ph.D
Experience : 12 Years
Specilization : Thermal Engineering
Email Id : k.krishna@cmrcet.ac.in
Mobile No. : 9908350316



Courses Taught:

UG : TD, HT, PPE, AME, ED, TE-I, TE-II, R&AC, MMS, EM, CFD, ICS, EMM
PG : AHMT, EM, CFD, ATD, R&AC

Laboratories Handled: TE Lab, ATD Lab, HT Lab, MMS Lab, Engineering Workshop, ICS Lab, EMM Lab

List of Papers Published in International Journals:

1. **"Optimization of Mechanical Performance of Hybrid Polymer Reinforced Nano Particles Using Anova Approach"** Published in Journal For Basic Science, Volume 204, Issue 5, 2024, pp: 888-904.
2. **"A Review on Lignocellulosic Biomass Conversion to Diesel Compatible and Useful Platform Chemicals"** Published in International Journal of Mechanical Engineering and Technology, Volume:10, Issue 07, 2019, pp:22-28.
3. **"An Experimental Investigation on the Performance and Emission Characteristics of Karanja Oil Methyl Ester (KOME) Blend B20 and Hydrogen Induction with Dual Fuel Mode Direct Injection Diesel Engine with variable Compression Ratio and Injection Operating Pressure"** Published in International Journal of Ambient Energy, Volume 42, Issue 4, 2018, pp:416-423.
4. **"Experimental Analysis of Hydrogen Energy share in a compressed ignition engine under dual fuel mode with Karanja B20 at different Injection Operating Pressures"** Published in International Journal of Engineering and Technology, Vol. 9, Issue 3, 2017, pp: 2319-8613.
5. **"Effect Injection operating pressure on Hydrogen enriched Karanja Oil Methyl Ester (KOME) blend B20 in a dual fuel DI diesel engine"** published in International journal of Engineering, Business and Management, Volume 1, Issue 1, 2017, pp:28-34
6. **"A Review Of Hydrogen Combustion Technology Applied To Di Diesel Engines"** Published in International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016, ISSN 2229-5518.
7. **"Comparative Study of Use of CNG With Bio Fuels in Diesel Engines"** Published in International Journal of Scientific & Engineering Research, Volume 7, Issue 6, 2016, pp: 305-308.

List of Papers Published in International Conferences:

1. "***CFD Analysis of Karanja Oil Methyl Ester (KOME) Blend B20 and Hydrogen Using ANSYS-Fluent***" has participated in the Elsevier International Conference on Advanced Materials and Process for Engineering Applications (ICAMP-2022) at St.Martin's Engineering College, Dhulapally, Secundrabad, Telangana, India on 08th and 09th July-2022.
2. "***Experimental and Computational Investigation of Heat Sinks by Using ANSYS***" Presented in International Conference on Recent Advances & Innovations in Technology, Management & Applied Science (ICRAITMS-2021) Organized on 19 th and 20th March 2021 at St.Martins Engineering College Hyderabad. Paper ID:ICRAITMS202012_200. ISBN:978-93-82829-41-6.
3. "***Effects of Alumina Nano Metal Oxide Blended Palm Stearin Methyl Ester Bio-Diesel on Direct Injection Diesel Engine Performance and Emissions***" Presented in International Conference on Material Science and Engineering(ICMAEM-2017) and IOP Published in Proceedings of **IOP Conf. Series: Materials Science and Engineering 225 (2017) 012212** doi:10.1088/1757-899X/225/1/012212.
4. "***Experimental Analysis of Hydrogen Energy Share in a Compressed Ignition Engine under dual Fuel Mode with Karanja B20 at different Injection Operating Pressures***" Published International Conference on Modern Technologies in Engineering and Science (ICMTES)-2017 organised by Knewton Institute of Research in Engineering and Technology, Andhra Pradesh, India., during 2nd June 2017.
5. "***Experimental Investigations on Performance Evaluation of Medium Grade Semi Adiabatic Diesel Engine with Carbureted Methanol and Crude Karanja Oil***" Presented in International Conference on Recent Trends in Engineering, Science and Technology (ICRTEST-2016) and Published in Proceedings of **Elsevier Energy Procedia**, Issue No -2, pp 104-112, at St.Peters Engineering College, Hyderabad, during 25th to 27th, October 2016.

Papers Published National Conferences: 03

Workshops and FDPs Attended: 14 workshops and 14 FDPs

Projects Guided: 15 B.Tech Projects and 10 M.Tech Projects

(K. KRISHNA)