

NAME : DR.PRABAKARAN B.

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SPECIALIZATION: (3-4 Areas)

- Renewable Energy
- Alcohols
- Waste to Energy
- Electric Vehicles



EDUCATION:

- Bachelors – Madurai University Madurai 1993
- Masters – M.I.T Anna University, Chennai – 2006
- PhD – HITS UGC , Chennai – 2018

FUNDED PROJECTS:

1. Utilization of Waste FOOD AND VEGETABLES by Black Soldier PI SERB, 15 LAKHS Under Review
2. Carbon Dioxide Capturing and Conversion to Formic Acid-Methanol-Fuel to IC ENGINE, nlc-Anna University, Under Review

CONSULTANCY PROJECTS:

1. Thermal Analysis of Locomotive Oil cooler-Universal Radiators Coimbatore 6.5 Lakhs Completed

PATENTS:

S.No	Title	Year	Status
1	A SYSTEM FOR ALERTING REGISTERED PERSON ABOUT ACCIDENT FOR QUICK RECOVERY OF INJURED RIDER OF TWO-WHEELER	2021	Granted for 8 years
2	An Intelligent Accident Alert System	2021	Published

PUBLICATIONS:

2022-2023 (Journal Articles/Conference proceedings)

1. 1. Prabakaran, B. *Experimental Investigation of Performance of Variable Compression Ratio Engine Fueled with Pyrolysed Plastic Oil and Bio Alcohols*. No. 2022-01-0605. SAE Technical Paper, 2022.

2. Prabakaran, B., Venkata Sai Sandeep Chinni, and Pavan kumar Regulavalasa. *Production of Methanol by Using Formic Acid with CuO/GO Composite*. No. 2022-28-0027. SAE Technical Paper, 2022.
3. Prabakaran, B., Venkata Sai Sandeep Chinni, and G. Muthukumaran. *Vehicle Collision Automatic Call System to safe the Fatal in Mid Way in Passenger Car*. No. 2022-28-0401. SAE Technical Paper, 2022.
4. Prabakaran, B., Venkata Sai Sandeep Chinni, and G. Muthukumaran. *Vehicle Collision Automatic Call System to safe the Fatal in Mid Way in Passenger Car*. No. 2022-28-0401. SAE Technical Paper, 2022.
5. Prabakaran, B. *Experimental Investigation of Direct Injection Compression Ignition Engine Fueled with Diesel-Biobutanol-Castor Oil Blends on the Performance*. No. 2022-28-0433. SAE Technical Paper, 2022.
6. Prabakaran, B. *Influence of Intake Air Temperature, Nozzle Opening Pressure and Fuel Injection Timing on the performance of Variable Compression Ratio Engine fueled with Biobutanol and Pyrolised Waste Plastic Oil*. No. 2023-01-0322. SAE Technical Paper, 2023.
7. Prabakaran, B. *Experimental Investigation of Compression Ignition Engine Fueled with Waste Amla Seed Oil to Reduce the dependency on Diesel Fuel*. No. 2023-01-0328. SAE Technical Paper, 2023.

**BOOKS/BOOK CHAPTERS Published**

1. Prabakaran, B. "Engine Performance and Emissions of Fuels from Waste Products for Sustainable Environment." In *Application of Clean Fuels in Combustion Engines*, pp. 131-153. Singapore: Springer Nature Singapore, 2022.

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Google Scholar: <https://scholar.google.co.in/citations?user=thljGokAAAAJ&hl=en>

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Website Link (If any) :

Sample Profile Pictures: