

Dr. MANOJKUMAR.C.V

Associate Professor



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Qualifications:

- B. Tech – Mechanical Engg. (GEC Thrissur, Calicut University, Kerala)
- M. Tech – Propulsion Engineering (CET, Kerala University, Kerala)
- Ph.D- Combustion Kinetics of Renewable Fuels (Anna university ,Chennai,Tamilnadu)

Professional Experience:

- Associate Professor, LBSITW, Trivandrum (2015-Till date)
- Assistant Professor, LBSITW, Trivandrum (2009-2014)
- Lecturer, LBSITW, Trivandrum (2002-2008)
- Lecturer LBSCE, Kasaragod (1998-2002)
- Lecturer, SNGIT, Madukkarai, Coimbatore, Tamilnadu (1996-1998)

Recently Taught Courses:

- Fluid Mechanics and Hydraulics
- Engg.graphics
- Basic Mechanical Engg
- FM lab

Other Responsibilities:

- Dean Student Affairs (Jun 2022-Till date)
- HOD of ME Dept (june 2006-Till date)
- College Union Arts Staff Advisor (2009,2010,2011,2015, &2020)
- College Union Staff Advisor (2013)
- PTA Secretary (2009)
- .NSS Programme officer(2003- 2006)

Important Publications:

International Journals

- **Manojkumar, CV**, Thomas, JJ, Sabu, VR & Nagarajan, G 2018, 'Reduced Chemical Kinetic Mechanism for a Waste Cooking Oil Biodiesel / n-Pentanol Mixture for Internal Combustion Engine Simulation', *Energy & Fuels*, vol. 32, no. 12, pp. 12884–12895, **Impact Factor : 3.605**.
- Justin Jacob Thomas, **Manojkumar, CV**, Sabu, VR & Nagarajan, G. 2020, 'Development and validation of a reduced chemical kinetic model for used vegetable oil biodiesel/1-Hexanol blend for engine application. *Fuel* **2020**, 273, 117780. [https://doi.org/ 10.1016/ j.fuel. 2020.117780](https://doi.org/10.1016/j.fuel.2020.117780), **Impact Factor : 6.609**.
- Thomas, JJ, Nagarajan, G, Sabu, VR, **Manojkumar, CV** & Sharma, V. 2022, 'Performance and emissions of hexanol-biodiesel fuelled RCCI engine with double injection strategies', *Energy*, vol. 253, pp. 124069. [https:// doi.org/ 10.1016/j.energy.2022.124069](https://doi.org/10.1016/j.energy.2022.124069), **Impact Factor : 7.147**.

Research & Consultancy:

- Mechanical Engineering instrument design and fabrication work for ZOO Trivandrum.

Membership in Professional Organizations

- Life member ISTE