

Dr. P. Vijayabalan

Professor & Head of the Department
Hindustan Institute of Technology and Science

vijayabalan@hindustanuniv.ac.in

mech@hindustanuniv.ac.in



Experience:

Industry: 4 Years

Teaching: 20 Years

Research area: Alternate Fuels / Thermal / Energy

Recent Publications

1. Manokar, A. Muthu, Yazan Taamneh, Abd Elnaby Kabeel, D. Prince Winston, **P. Vijayabalan**, D. Balaji, Ravishankar Sathyamurthy, S. Padmanaba Sundar, and D. Mageshbabu. "Effect of water depth and insulation on the productivity of an acrylic pyramid solar still–An experimental study." Groundwater for Sustainable Development 10 (2020): 100319.
2. Karuppan, Devanesan, A. Muthu Manokar, **P. Vijayabalan**, Ravishankar Sathyamurthy, B. Madhu, D. Mageshbabu, R. Bharathwaaj, and S. Jenoris Muthiya. "Experimental investigation on pressure and heat release HCCI engine operated with chicken fat oil/diesel-gasoline blends." Materials Today: Proceedings (2020).
3. Prabakaran, B., **P. Vijayabalan**, and M. Balachandar. "An assessment of diesel ethanol blend fueled diesel engine characteristics using butanol as cosolvent for optimum operating parameters." Energy Sources Part A-Recovery Utilization and Environmental Effects (2019).
4. Viswanath K. Kaimal, **P. Vijayabalan**, "An investigation on the effects of using DEE additive in a DI diesel engine fuelled with waste plastic oil" Fuel, Volume 180, 15 September 2016, Pages 90-96 (Impact Factor 3.52).
5. Viswanath K. Kaimal, **P. Vijayabalan**, "A study on synthesis of energy fuel from waste plastic and assessment of its potential as an alternative fuel for diesel engines" Waste Management, Volume 51, May 2016, Pages 91-96 (Impact Factor 3.22).