Dr. Viswanath K. Kaimal

Associate Professor,Mechanical Engineering

Administrative Responsibilities

- Exam Cell In-charge For conducting various University, KPSC (State Govt.), NEET (NTA) level examinations
- KTU Co-coordinator
- Mechanical Department Association (RPM) In-charge.
- Student section In-charge for ASME (Professional Body)

Education Summary

- P.hD in Alternate Energy
- M.Tech in Thermal Engineering
- B.Tech in Mechanical Engineering

Employment History

- 2016 to till date, as Assistant Professor in Dept. of Mechanical Engineering in Christ College of Engineering

Journal/Papers Published

- 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 (2016), Elsevier Publications.
- Viswanath K Kaimal, P Vijayabalan, An investigation on the effects of using DEE additive in a DI diesel engine fuelled with waste plastic oil. Journal of Fuel (2016) 90–96. Elsevier Publications.

- Viswanath K. Kaimal, P. Vijayabalan. Effects of using Pongamia, Neem and Rice bran Methyl Esters in a CI Engine. International Conference on Computer Science and Mechanical Engineering 2014

- Viswanath K. Kaimal, M. Sivaraman, P. Vijayabalan. Performance and Combustion of a DI diesel engine using Waste Plastic Oil. International Conference on Applied Engineering Science and Technology (2015)

- Viswanath K. Kaimal, P. Vijayabalan, A detailed investigation of the combustion characteristics of a DI diesel engine fuelled with plastic oil and rice bran methyl ester. Journal of the Energy Institute (2015) 1-7. Elsevier Publications.

- Viswanath K. Kaimal, P. Vijayabalan, A detailed study of combustion characteristics of a DI diesel engine using waste plastic oil and its blends. Energy Conversion and Management 105 (2015) 951-956. Elsevier Publications.

- Viswanath K. Kaimal, P. Vijayabalan, An analysis on combustion and emission characteristics of CI engine using blends of cotton seed biodiesel. International Journal of Renewable Energy and Research, 5(2) (2015).

Specialized Trainings

- Training in Cochin Shipyard in Rivets and Welding.

Areas of Interest

- Renewable Energy
- Computational Fluid Dynamics
- Fuel Cells
- IC engines and Nano-fuels
- Thermal and Fluid Systems

Achievements

- Received funding from Kerala State Council for Science, Technology and Environment (KSCSTE).
- Recognised and certified reviewer in many peer reviewed reputed journals andpublishers like Elsevier Publications, Wiley Online Library, Springer etc.
- Qualified GATE 2011
- Kerala Technological University Guideship