

PROFILE



Name: Elavarasan G

Designation: Assistant Professor

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Professional Qualification:

Degree	Institute/Organization	Specialization	Year of Passing
M.TECH	Subharti Institute of Technology & Engineering, Swami Vivekananda Subharti University, Meerut	Energy Technology	2016
B.E	Madras Institute of Technology, Anna University, Chennai	Automobile Engineering	2014

Publications (Journals):

- Elavarasan.G, Thiagarajan.L, Kannan.M, Karthikeyan.D, “*Finding the Lubrication oil properties of an Internal Combustion Engine using a capacitive sensor*”, International Journal of Engineering and Advanced Technology, Volume-8 Issue-5, 2368 – 2374. (Scopus Indexed Journal)
- Rajakrishnamoorthy.P ,Elavarasan G , Karthikeyan.D, Saravanan.C.G, “*Emission Reduction in SI Engines by using metal doped Cu- ZSM5 and Ce.Cu- ZSM5 zeolite as Catalysts*”, International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-9, July 2019,1423-1427. (Scopus Indexed Journal)
- Elavarasan, G., Rajakrishnamoorthy, P., Karthikeyan, D. and Saravanan, C.G. (2019). “*Utilization of Coal Fly Ash as a Raw Material for the Synthesis of Zeolite like Substance*”. International Journal on Emerging Technologies, 10(1): 176-182. (Scopus Indexed Journal)
- Elavarasan.G, Thiagarajan.L, Kannan.M, Karthikeyan.D,(2019), “*Performance Characteristics & Emission Analysis Of Mustard Oil Based Biodiesel In CI Engine Using Exhaust Gas Recirculation*”, International Journal Of Scientific & Technology Research Volume 8, Issue 08, August 2019,878-882. (Scopus Indexed Journal)
- Elavarasan.G, Kannan.M, Karthikeyan.D,(2019) “*Experimental Analysis to find the optimum Specific Fuel Consumption for Driver’s Intimation*”, International Journal Of Recent Technology And Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019,452-456. (Scopus Indexed Journal)
- Rajakrishnamoorthy, Elavarasan.G, D.Karthikeyan, “*Chemical, Mineralogical and Morphological Investigation of Coal / Lignite Fly Ash*”, International Journal of Research and Analytical Reviews, 6 (2), 865-869 . (UGC approved Journal)

- Elavarasan.G, Kannan.M, Karthikeyan.D, “*History of Emission standards in India – A Critical review*”, International Journal of Research and Analytical Reviews, 6 (2), 28-35. (UGC approved Journal)
- Rajakrishnamoorthy.P, Karthikeyan.D, Elavarasan. G, Kannan.M, Thiagarajan.L,(2019) “*Solar Photovoltaic As a solution for the Energy Demand In Rural Areas*” International Journal of Research and Analytical Reviews, 6 (2), 500-504. (UGC approved Journal)
- Elavarasan.G, Kannan.M,(2019) “*Reasons to Reduce Our Reliance upon Crude Oil Based Internal Combustion Engines*”, International Journal of Scientific Research & Engineering Trends 5 (3), 713-717.
- G. Elavarasan, Karan Singh, Abhijeet Anand, and Mihir,(2018) “*Hydrogen fueled engine*” International Research Journal of Advanced Engineering and Science, - May 2018, Volume 3, Issue 2, pp. 128-130 – ISSN: 2455 – 9024.
- G.Elavarasan, D.V.Avasthi,(2016) “*Modelling & Simulation of 200kW solar PV Array Connected to Grid in rural areas*” International journal of Science and Technology of Spreizen Digital Library, Volume IV, page 1-7,18thJuly 2016, ISSN: 2455 – 3247.
- G.Elavarasan, M.Kannan, L.Thiagarajan and S.Senthilkumar,(2016) “*Finding the Lubricant Life Expectancy of an Internal Combustion Engine using a capacitive sensor*” International journal of Science and Technology of Spreizen Digital Library, Volume I, page 13-19,25thJanuary 2016, ISSN: 2455 – 3247.

Conferences:

- Presented a paper titled “Performance Characteristics analysis of a Compression Ignition Engine using mustard oil based biodiesel” in the “International Conference on Biomass, Fuels and Chemicals” held on 12th and 13th September at Chemical Engineering Department, Annamalai University.
- Presented a paper titled “Performance Characteristics and Emission analysis of a nano additives added mustard oil biodiesel in a Compression Ignition Engine with EGR” in the “National Conference in Internal Combustion Engine and Combustion” held on 1st to 4th November at National Institute of Technology, Kurukshetra.
- Faculty Coordinator in “COGITATION 2016” debate event organized by IMechE SRM Chapter at NCR Campus, SRM IST
- Faculty Coordinator in “INFUSION 2016” debate event organized by Mechanical Engineering at NCR Campus, SRM IST
- Faculty Coordinator in “INNOVATE 2015” a National Level Technical fest organized at NCR Campus, SRM IST
- Faculty Co-Ordinator of “Present’Em 2016” held on 7thApril 2016 by IMechE SRM Chapter at NCR Campus, SRM IST.
- Coordinator of “CNC Programming workshop” that is conducted on 21stJuly 2016, Mechanical Engineering Department, SRM IST.

Work Experience:

- 8 years as an Assistant Professor in SRM Institute of Science & Technology, NCR Campus, Ghaziabad.
- 1 year as Assistant Manager – Purchase, SRM Institute of Science & Technology. NCR Campus, Ghaziabad.