


Name	Dr. M.SIVAKUMAR			
Designation & Department	ASSOCIATE PROFESSOR & MECHANICAL ENGINEERING			
Qualification	M.E., Ph.D			
Area of Specialization	IC Engines, Alternative Fuels			
Date of Joining (KSR IET)	01.07.2022			
Experience (as on 30.06.2022)	Teaching: 14 Years	Industry: 5 Years 10 Months	Others: NIL	
Number of Papers Published	National Journals : NIL		International Journals : 05	
Number of Papers Presented	National Conferences: 01		International Conferences : 01	
Books Published	National Publisher : NIL		International publisher : 01	
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Publications (International Journals)

1. Senthil Kumar, M.S, **Sivakumar, M**, Rameshkumar, R, Avinash A. (2022) Towards improved performance and lower exhaust emissions using exhaust gas recirculation coupled compression ignition engine fuelled with nanofuel blends. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, **Published online: 13.02.2022. (Impact factor–3.447)**
2. **Sivakumar, M**, Shanmugasundaram, N, Rameshkumar, R. (2020) ‘Investigation on effects of the exhaust emission characteristics of diesel engine fuelled with mahua oil methyl esters and its blends with diesel’. International Journal of Automotive Engineering and Technologies, Vol. 9, no. 1, pp. 20-28.
3. **Sivakumar, M**, Shanmugasundaram, N, Rameshkumar, R, Syed Thasthagir, M. (2018) Effects of Aluminium oxide nanoparticles blended Pongamia Methyl Ester on Performance, Combustion, and Emission Characteristics of Diesel Engine. Renewable Energy, Vol. 116, pp. 518-526. (**Impact factor – 8.001**) (Elsevier Publications)
4. **Sivakumar, M**, Shanmugasundaram, N, Rameshkumar, R, Syed Thasthagir, M. (2018) ‘Effects of Nanoparticles Blended Biodiesel on Single Cylinder CI Engine’, Material Today:Proceedings, Vol. 5, pp. 6831-6838. (Elsevier Publications)

5. **Sivakumar, M**, Shanmugasundaram, N, Rameshkumar, R, Syed Thasthagir, M. (2017) Effects of Pongamia Methyl Esters and its Blends on a Diesel Engine Performance, Combustion, and Emission Characteristics. *Environmental Progress & Sustainable Energy*, Vol. 36, no.1, pp. 269-276. (**Impact factor – 2.431**) (John Wiley & Sons Publications)

Publications (National Journals)

NIL

Publications (International Conferences)

1. **Sivakumar, M**, Shanmugasundaram, N, Rameshkumar, R, Syed Thasthagir, M. (2017) Effects of Nanoparticles Blended Biodiesel on Single Cylinder CI Engine. International Conference on Emerging Trends in Materials and Manufacturing Engineering, National Institute of Technology, Tiruchirappalli, 10-12 March 2017.

Publications (National Conferences)

1. **Sivakumar, M**. (2018) Comprehensive Review of Biodiesel as an Alternative Fuel for CI Engine. National Conference on Science, Engineering, Technology and Management, Annapoorana Engineering College, Salem in association with The Institution of Engineers (India), Salem Local Center, Salem, 25 January 2018.
2. **Sivakumar, M**. (2015) Optimization of Biodiesel Production from Karanja oil. National level Conference on Recent Trends in Civil & Mechanical Engineering, RTCME'15, Annai Mathammal Sheela Engineering College, Namakkal, Tamilnadu, 28 March 2015.

Books /Instructionmaterials/monogramspublished

S. No.	Title of the Book	Author's Name	Publisher	Year of Publication
1.	Effectives of Additives on the Performance and Emission Attributes of Diesel engines	Dr.M.Sivakumar Dr.N.Shanmuga Sundaram	IGI Global book series, Engineering Science Reference, an imprint of IGI Global (ISBN 9781799825401)	2020

Details of Patents

S. No.	Patent Title	Name of Applicants	Patent No.	Award Date	Agency/ Country	Status
1.	Fully Automatic Commercial line vehicle assembly line system	Dr.M.Sivakumar Dr.R.Rameshkumar Dr.P.Kanakarajan	202241007000 A	09-02-2022	INDIA	Published
2.	Fabrication of E Vehicle with reverse gear mechanism and cruise control system	Dr.M.Sivakumar	202241033467	13-06-2022	INDIA	Filed
3.	Fabrication of Motorized Tri Cylinder Air Compressor	Dr.M.Sivakumar	202241033660	13-06-2022	INDIA	Filed
4.	Accident Prevention System by Electromagnetic Bumper	Dr.R.Rameshkumar Dr.P.Kanakarajan Dr.M.Sivakumar M.Syed Thasthagir S.Soundararajan	201941049644	03-12-2019	INDIA	Filed

Membership in Professional Bodies

- Life Membership, Indian Society for Technical Education (ISTE) India – LM 74482.
- Life Membership, International Association of Engineers (IAENG) - 218563