

Name	:	Dr. V. Edwin Geo
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5 years publication list

1. V. Edwin Geo, Ankit Sonthalia, Fethi Aloui and Femilda Josephin J, "Study of engine performance, emission and combustion characteristics fueled with diesel-like fuel produced from waste engine oil and waste plastic" Frontiers of Environmental Science and Engineering(FESE), 2018, (Accepted for publication) (SCI impact factor : 1.961)
2. J.S. Femilda Josephin, V. Edwin Geo, Ankit Sonthalia and Fethi Aloui, "Prediction of performance and exhaust emissions of a compression ignition engine operating with rso-ethanol in dual fuel mode using artificial neural networks", Global warming, 2018, (Accepted for publication) (SCI impact factor : 0.661)
3. Prabhu Chelladorai, Edwin Geo Varuvel, Leenus J.Martin, Nagalingam Bedhannan, "Synergistic effect of hydrogen induction with biofuel obtained from winery waste (grapeseed oil) for CI engine application" Hydrogen Energy, 2018, (Accepted for publication) (SCI impact factor : 4.26)
4. S. Thiyagarajan, V Edwin geo, Leenus J Martin, B. Nagalingam , "Mitigation of carbon footprints through a blend of biofuels and oxygenates, combined with post-combustion capture system in a single cylinder CI engine" Renewable Energy, 2018 (Accepted for publication) (SCI impact factor : 4.900)
5. S. Thiyagarajan, V Edwin geo, Leenus J Martin, B. Nagalingam , "Effect of electrochemical conversion of biofuels using ionization system on CO2 emission mitigation in CI engine along with post-combustion system" Fuel processing technology, 173, 21-29, 2018 (SCI impact factor : 3.752)
6. S. Thiyagarajan, V Edwin geo, Leenus J Martin, B. Nagalingam , "Combined Effect of Fuel-Design and Aftertreatment system on Reduction of Local and Global Emissions from CI Engine" Environmental technology, 2018 (Accepted for publication (SCI impact factor :1.751)
7. S. Thiyagarajan, V Edwin geo, S Ganapathy, R. Vedharaj, B. Nagalingam , "Role of fuel additives on reduction of NO X emission from a diesel engine powered by camphor oil biofuel" Environmental science and pollution research, 1-10, 2018 (Accepted for publication (SCI impact factor :2.741)
8. S. Thiyagarajan, V Edwin geo, Leenus J Martin, B. Nagalingam , "Combined Effect of Fuel-Design and Aftertreatment system on Reduction of Local and Global Emissions from CI Engine" Environmental technology, 2018 (Accepted for publication (SCI impact factor :1.751)
9. T. Prakash, V. Edwin Geo, Leenus Jesu Martin and B. Nagalingam, "Evaluation of Pine Oil Blending to Improve the Combustion of High Viscous (Castor Oil) Biofuel Compared to Castor Oil Biodiesel in a CI Engine", Heat and Mass Transfer, 2018. (Accepted for publication (SCI impact factor :1.494)

- 10.** T. Prakash, V Edwin Geo, Leenus J Martin, B. Nagalingam, "Effect of Ternary Blends of Bio-Ethanol, Diesel and Castor Oil on Performance, Emission and Combustion in a CI Engine". *International Journal of Renewable Energy*, Elsevier, 2018, (Accepted for publication) (SCI impact factor : 4.357)
- 11.** S. Thiyagarajan, V Edwin Geo, Leenus J Martin, B. Nagalingam, "Simultaneous Reduction of NO-SmokeCO₂ emission in a biodiesel engine using low carbon biofuel and exhaust after treatment system, *Clean Technologies and Environmental Policy* DOI: 10.1007/s10098-016-1326-5, 2017, Springer. (SCI impact factor : 3.331)
- 12.** V. Edwin Geo, B. Nagalingam and G. Nagarajan. "Studies on performance, combustion and emission of a single cylinder diesel engine fuelled with rubber seed oil and its biodiesel along with ethanol as injected fuel, *International Journal of Fuel*, 2017, Elsevier, 209, 733-741 (SCI impact factor : 4.601)
- 13.** Prabhu Sekar, V. Edwin Geo and M. Leenus Jesu Martin. "A mixed finite element and analytical method to predict load, mechanical power loss and improved efficiency in non-standard spur gear drives, *Proc IMechE Part J: J Engineering Tribology*, DOI: 10.1177/1350650117697594, 2017, SAGE. (Accepted for publication) (SCI impact factor : 1.320)
- 14.** V Edwin Geo, S. Thiyagarajan and Prakar. "Effect of diglyme addition on performance and emission characteristics of hybrid minor vegetable oil blends (rubber seed and babassu oil) in a tractor engine – an experimental study, *Biofuels*, 2018, Taylor and Francis. (Article in Press) (SJR Impact factor : 1.35).
- 15.** Boopathi D, Thiyagarajan S, Parthiban P. Devanand S, Edwin Geo V. "Effect of Methanol Fumigation on performance and emission characteristics in a Waste cooking oil fuelled single cylinder CI engine, *Renewable Energy Development*, 2017. (Accepted for publication) (SCI impact factor : 0.8)
- 16.** S. Thiyagarajan, V Edwin Geo, Leenus J Martin, B. Nagalingam "Selective non-catalytic reduction (SNCR) of CO₂ and NO emissions from a single cylinder CI engine using chemical absorbents, *Emission Control Science and Technology*, Springer, Vol: 3, 233-242, 2017. (SCI impact factor : 0.12)
- 17.** S. Thiyagarajan, V Edwin Geo, Leenus J Martin, B. Nagalingam "Effect of lower and higher alcohol fuel synergies in biofuel blends and exhaust treatment system on emissions from CI engine, *Environmental Science and Pollution Research*, Springer. Vol: 24, 25103-25113, 2017. (SCI impact factor : 2.76)
- 18.** D. Ravichandra, Ravi Kumar Puli, V. P. Chandramohan & V. Edwin Geo. "Experimental analysis of deccan hemp oil as a new energy feedstock for compression ignition engine, *International Journal of Ambient Energy*, Taylor and Francis, 2017. (Accepted for publication) (SCI impact factor : 0.214)
- 19.** G. Kasiraman, V Edwin Geo, B. Nagalingam "Assessment of Cashew Nut Shell Oil as an Alternate Fuel for Diesel Engines, *International Journal of Energy*, vol-101, 402-410, 2016, Elsevier. (SCI impact factor : 4.520)
- 20.** C. Prbhu and V. Edwin Geo. "Experimental Investigation to Study the Effect of Properties of Coconut Oil Biodiesel and Castor Oil Biodiesel and its Blending with Diesel on the Performance in a CI Engine, *SAE* 2016-28-0145, DOI: 10.4271/2016-28-0145, 2016, SAE International (SCI impact factor : 0.52)

- 21.**Thiyagarajan, S., Edwin Geo, V., Leenus, J.M. and Nagalingam, B. 'Experimental investigation to reduce CO₂ emission in a single cylinder CI engine using low carbon fuel blend with Karanja oil methyl ester and amine injection in the exhaust manifold, Int. J. Global Warming, Vol:13, 278-295, 2017, Inderscience. (SCI Impact factor : 1.286).
- 22.**Thiyagarajan, S., Edwin Geo, V., Leenus, J.M. and Nagalingam, B. "Carbon-di-oxide (CO₂) capture and sequestration using biofuels and exhaust catalytic carbon capture system in a single cylinder CI engine - An experimental study', Biofuels doi.org/10.1080/17597269.2017.1292019, 2016, Taylor and Francis. (SJR Impact factor : 1.35).
- 23.**Thiyagarajan, S., Edwin Geo, V., Leenus, J.M. and Nagalingam, B "Effects of low carbon bio fuel blends with Karanja oil Methyl Ester in a single cylinder CI Engine on CO₂ emission and other performance and emission characteristics, Nature Environment and pollution technology, Volume 15, Issue No. 4, 2016 , Page No 1249-1256, Technoscience Publication. (SJR Impact factor : 0.138).
- 24.**M. Leenus Jesu Martin, V.Edwin Geo and B. Nagalinagam. "Effect of fuel inlet temperature on cottonseed oil–diesel mixture composition and performance in a DI diesel engine, Journal of Energy Institute, , Volume 90, Issue No. 4, Page No 563-573, 2016, Elsevier (SCI impact factor : 3.204)
- 25.**S. Thiyagarajan, V Edwin Geo, Leenus J Martin, B. Nagalingam "Effects of low carbon bio fuel blends with Karanja oil Methyl Ester in a single cylinder CI Engine on CO₂ emission and other performance and emission characteristics" , Nature environment and pollution technology (2016), (Article in press). (SJR Impact factor : 0.138).