

Dr.ARULMOZHISELVAN

LIST OF PUBLICATIONS

1. A comprehensive review of low cost biodiesel production from waste chicken fat,(2018),M Kirubakaran, VAM Selvan,Renewable and Sustainable Energy Reviews 82, 390-401.
2. Effects of alumina nanoparticles in waste chicken fat biodiesel on the operating characteristics of a compression ignition engine,(2015),NK Gurusala, VAM Selvan,Clean Technologies and Environmental Policy 17 (3), 681-692.
3. Eggshell as heterogeneous catalyst for synthesis of biodiesel from high free fatty acid chicken fat and its working characteristics on a CI engine,(2018),AMSV Kirubakaran, M.,Journal of Environmental Chemical Engineering 6 (4), 4490-4503.
4. A comprehensive review on surface modification, structure interface and bonding mechanism of plant cellulose fiber reinforced polymer based composites(2018),H Mohit, V Arul Mozhi Selvan,Composite Interfaces 25 (5-7), 629-667.
5. Synthesis, characterization, and optimization of Schizochytrium biodiesel production using Na⁺-doped nanohydroxyapatite,(2019),CN Kowthaman, AMS Varadappan,International Journal of Energy Research 43 (8), 3182-3200.
6. Performance Evaluation and Exhaust Emission of a Diesel Engine Fueled with CNSL Biodiesel,(2015),SRVAMS T. Pushparaj,Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 37 .
7. Performance and emission characteristics of CI engine, fuelled with diesel and oxygenated fuel blends,(2015),T Pushparaj, S Ramabalan, VAM Selvan,International Journal of Global Warming 7 (2), 173-183.
8. Effect of spent mushroom substrate and waste paper briquette on methane production from anaerobic digestion,(2018),P Sethumadhavan, AMV Selvan,Journal of Environmental Biology 39 (2), 269-276.

9. Physical and thermomechanical characterization of the novel aluminum silicon carbide-reinforced polymer nanocomposites,(2019),H Mohit, VAM Selvan,Iranian Polymer Journal 28 (10), 823-837.
10. Influence of surfactants on quaternary emulsion blend and experimental investigations on the influence of hydrogen enriched quaternary blend in DICI engine,(2019),VAMS C.N. Kowthaman,International Journal of Hydrogen Energy.
11. Effect of a Novel Chemical Treatment on Nanocellulose Fibers for Enhancement of Mechanical, Electrochemical and Tribological Characteristics of Epoxy Bio-nanocomposites,(2019),MHAM Selvan V*,Fibers and Polymers 20 (9), 1918-1944.
12. Effect of a novel chemical treatment on nanocellulose fibers for enhancement of mechanical, electrochemical and tribological characteristics of epoxy bio-nanocomposites,(2019),HMOVAM Selvan,Fibers and Polymers.
13. Influence of surfactants on quaternary emulsion blend and experimental investigations on the influence of hydrogen enriched quaternary blend in DICI engine,(2019),VAMS C.N. Kowthaman,International Journal of Hydrogen Energy.
14. Optimization of the tensile strength of sintered Al6061/SiC nanocomposites using response surface methodology,(2020),HMOVAM Selvan,Materials Today: Proceeding.
15. Synthesis of biodiesel from Schizochytrium oil using renewable catalyst and study of its quaternary blend phase behaviour,(2019),CN Kowthaman,IOP Conference Series: Earth and Environmental Science 268 (1), 012107.
16. Thermo-mechanical properties of sodium chloride and alkali-treated sugarcane bagasse fibre,(2019),H Mohit, V Selvan,NISCAIR-CSIR, India.
17. HOPF ALGEBRA ACTIONS ON SEMIALGEBRAS.,(2017),M Devendran, V Selvan,Journal of Combinatorics & System Sciences 42.
18. Future Challenges and Applications of Polymer Coatings,(2020),H Mohit, SM Sanjay, S Siengchin, GH Kumar, VAM Selvan, R Ruban,Polymer Coatings: Technologies and Applications, 325-33.

19. Mechanical and Physical Test of Hybrid Fiber Composites,(2020),M Hemath, AMS Varadhappan, HK Govindarajulu,,Hybrid Fiber Composites: Materials, Manufacturing, Process Engineering, 41-68.
20. Waste to green fuels: Kinetic study of low lipid waste algae for energy development,(2020),CN Kowthaman, VAM Selvan,Bioresource Technology Reports 11, 100510.
21. Effect of ternary blends on the noise, vibration, and emission characteristics of an automotive spark ignition engine,(2020),B K Bharath, VAM Selvan ,Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 1-22.
22. Investigation on the performance, emissions and combustion characteristics of CRDI engine fueled with tallow methyl ester biodiesel blends with exhaust gas recirculation,(2020),P Kanthasamy, V Selvan, A Mozhi, P Shanmugam, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY.
23. Effect of a Novel Chemical Treatment on the Physico-Thermal Properties of Sugarcane Nanocellulose Fiber Reinforced Epoxy Nanocomposites,(2020),H Mohit, VAM Selvan,International Polymer Processing 35 (2), 211-220.
24. Effect of Al-SiC nanoparticles and cellulose fiber dispersion on the thermomechanical and corrosion characteristics of polymer nanocomposites,(2020),M Hemath, AM Selvan V,Polymer Composites.
25. Temperature Control of Combat Aircraft Environmental Control System by Time-delay in loop with Control Input Normalization,(2020),A Sathiyaseelan, VAM Selvan,2020 Fourth International Conference on Inventive Systems and Control (ICISC).
26. Experimental and Statistical Analysis on Thermo-mechanical properties of Sodium Chloride and Alkaline Treated Sugarcane Bagasse Fiber,(2019),VAMS H. Mohit,Indian Journal of Fiber and Textile Research.
27. Effect of nano-yttria dispersion on the microstructure and mechanical properties of W-Ni-Co alloys,(2019),SK C. Pandi Selva Durai, V. Arul Mozhi Selvan, T.K. Singha,International Journal of Materials and Product Technology.

28. Tensile and Compressive Behaviour of Nano-Yttria-Dispersed W–Ni–Co Heavy Alloys Processed by Liquid Phase Sintering,(2019),CPS Durai, VAM Selvan, TK Singha, S Kumaran,Transactions of the Indian Institute of Metals, 1-4.
29. Experimental Investigation on Anaerobic Co-Digestion of Food Waste, De-Oiled Chicken Fat and Bio-Briquette,(2018),SPAM Selvan V,International Journal of Mechanical Engineering and Technology 9 (11), 1865-1872.
30. Morita Equivalence Between H-Fixed Semialgebra and Smash Product Semialgebra.,(2018),V Selvan, M Devendran,Journal of Combinatorics & System Sciences 43.
31. INFLUENCE OF CHEMICAL SURFACE MODIFICATION ON MICRO-WEAR CHARACTERISTICS OF SUGARCANE NANOCELLULOSE EPOXY NANOCOMPOSITES,(2018),H Mohit, V Selvan,MATTER: International Journal of Science and Technology 4 (3).
32. Experimental investigation on mechanical properties of chicken keratin fiber reinforced isophthalic polymer matrix composite,(2016),V Selvan, H Mohit Indian Journal of Engineering 13 (33), 371-378.