

Dr. V. ARUL MOZHI SELVAN Publication details

1. C.N. Kowthaman and **V. Arul Mozhi Selvan** (2019) Influence of surfactants on quaternary emulsion blend and experimental investigations on the influence of hydrogen enriched quaternary blend in DIC1 engine. International Journal of Hydrogen Energy, accepted on 29.07.2019
2. H. Mohit and **V. Arul Mozhi Selvan**, “A novel physical and thermomechanical characteristics of aluminum silicon carbide reinforced polymer nanocomposites”, Iranian Polymer Journal, accepted on 15.07.2019.
3. C.N. Kowthaman and **V. Arul Mozhi Selvan** (2019) Synthesis of biodiesel from Schizochytrium oil using renewable catalyst and study of its quaternary blend phase behaviour. IOP Conf. Series: Earth and Environmental Science 268 (2019) 012107, DOI:10.1088/1755-1315/268/1/012107.
4. H. Mohit and **V. Arul Mozhi Selvan**, “Effect of a novel chemical treatment on nanocellulose fibers for enhancement of mechanical, electrochemical and tribological characteristics of epoxy bio-nanocomposites”, Fibers and Polymers, accepted on 19.04.2019.
5. C. Pandi Selva Durai **V. Arul Mozhi Selvan**, T.K. Singha, S.Kumaran (2019), Tensile and compression behaviour of nano-yttria dispersed W-Ni-Co heavy alloys processed by liquid phase sintering, Transactions of the Indian Institute of Metals, 2019, pp 1-4.
6. H. Mohit, **V. Arul Mozhi Selvan** (2019), Influence of chemical surface modification on micro-wear characteristics of sugarcane nanocellulose epoxy nanocomposites, MATTER: International Journal of Science and Technology
7. C. Pandi Selva Durai, **V. Arul Mozhi Selvan**, T.K. Singha, S.Kumaran (2019), Effect of nano-yttria dispersion on the microstructure and mechanical properties of W-Ni-Co alloys, International Journal of Materials and Product Technology, Special Issue on: Cambridge Summit 2018 Advances in Engineering Systems and Product Technology, Accepted on 28th January 2019,
8. C.N. Kowthaman, **V. Arul Mozhi Selvan** (2019), Synthesis, characterization and optimization of schizochytrium biodiesel production using Na⁺ doped nano hydroxyapatite, International Journal of Energy Research, 2019; 1-19.
9. H. Mohit & **V. Arul Mozhi Selvan** (2018), Experimental and Statistical Analysis on Thermo-mechanical properties of Sodium Chloride and Alkaline Treated Sugarcane Bagasse Fiber, Indian Journal of Fiber and Textile Research, Accepted on 27th April 2018.
10. H. Mohit & **V. Arul Mozhi Selvan** (2018), A comprehensive review on surface modification, structure interface and bonding mechanism of plant cellulose fiber reinforced polymer based composites, Composite Interfaces, 25:5-7, 629-667.
11. P.Sethumadhavan, **V. Arul Mozhi Selvan** (2018), Effect of Spent Mushroom Substrate and Waste Paper Briquette on Methane Production from Anaerobic Digestion, Journal of Environmental Biology, 39, 269-276.
12. M. Kirubakaran, **V. Arul Mozhi Selvan** (2018), Eggshell as heterogeneous catalyst for synthesis of biodiesel from high free fatty acid chicken fat and its working characteristics on a CI engine, Journal of Environmental Chemical Engineering, Vol. 6 (4), 4490-4503.
13. M. Kirubakaran **V. Arul Mozhi Selvan** (2018) A Comprehensive Review of Low Cost Biodiesel Production from Waste Chicken Fat, Renewable and Sustainable Energy Reviews, 82 (2018) pp 390-401
14. **V. Arul Mozhi Selvan**, Mohit H. (2016) Experimental Investigation on Mechanical Properties of Chicken Keratin Fiber Reinforced Isophthalic Polymer Matrix Composite. Indian Journal of Engineering, 2016, 13(33), pp 371-378.