

Publications of DC member 1(Dr. Shenbaga Vinayaga Moorthi N):

NUMBER OF PUBLICATIONS: 15

1. G Hariharan, **NSV Moorthi**, D Karthickeyan, S Thanikaikarasan. Influence of Annealing Temperature on the Characteristics of Chemical Bath Deposited Zinc Sulphide Thin Films for Solar Cell Applications. Journal of New Materials for Electrochemical Systems 22 (1), 1-4, 2019.
2. KD Hariharan G, **Shenbaga Vinayaga Moorthi N**. Effects of Post Annealing on the Characteristics of Zinc Sulphide Thin Films Formed by Chemical Bath Deposition for Solar Cell Applications. Journal Of The Balkan Tribological Association 25 (2), 331–341, 2019.
3. **Shenbaga Vinayaga Moorthi N**, Hariharan G. Wear Performance of Hybrid Ceramic Reinforced Aluminium Metal Matrix Composite. Journal Of The Balkan Tribological Association 25 (1), 113–130, 2019.
4. **Shenbaga Vinayaga Moorthi N** and Dharani A P Hariharan G. Synthesis and Structural Characterization of Nano Structured Zinc Sulphide Thin Films Grown on Glass Substrate by Chemical Bath Deposition. International Journal of Advanced Engineering Technology 7 (II), 1191-1194, 2016.
5. M Venkatesan, **N Shenbaga Vinayaga Moorthi**, P Arul Franco, R Karthikeyan, A Manivannan. Spark-Assisted HCCI Engine using Hydrous Methanol as a Fuel: - An ANN Approach. Biofuels, Bioproducts and Biorefining 9 (4), 344-357, 2015.
6. M Venkatesan, N Moorthi, **Shenbaga Vinayaga**, R Karthikeyan, A Manivannan, VC Gandhi. Experimental Investigation on Hydrous Methanol Fueled Homogeneous Charge Compression Ignition Engine Using Spark Assisted Method. International Journal Of Engineering 28 (7), 1099-1107, 2015.
7. S Kathirvelu, **N Shenbaga Vinayaga Moorthi**, S Neelakrishnan. Biodiesel Production from High FFA Tree Born Non-Edible Ceiba Pentandra Seed Oil. International Journal for Technological Research in Engineering 2 (7), 1100-1106, 2015.
8. Neelakrishnan S and Santhos M Kathirvelu S, **Shenbaga Vinayaga Moorthi N**. Performance, Emission and Combustion Characteristics of Neat Non-Edible Oil Methyl Ester as an Alternative Bio-Fuel for Variable Compression Ratio (VCR) Direct Injection (DI International Journal of Applied Engineering Research 10 (38), 29327-29333, 2015.
9. **Shenbaga Vinayaga Moorthi N** and Neelakrishnan S Ashok M. Numerical Analysis of Automobile Cabin Temperature Variation with different Sun Shades for its Windows and Rear Wind Screen Glasses. International Journal of Applied Engineering Research 10 (9), 13747-13754, 2015.
10. CM Anand Partheeban, M Rajendran, SC Vettivel, S Suresh, **N Shenbaga Vinayaga Moorthi**. Mechanical Behavior and Failure Analysis using Online Acoustic Emission on Nano-Graphite Reinforced Al6061–10TiB2 Hybrid Composite using Powder Metallurgy. Materials Science and Engineering: A 632, 1-13, 2015.
11. Arun Vijay G, **Shenbaga Vinayaga Moorthi N**, Manivannan A. Internal and External Flow Characteristics of Swirl Atomizers: A Review. Atomization and Sprays, 25 (02), 153-188, 2015.

12. **Shenbaga Vinayaga Moorthi N**, Arul Franco P, Ramesh K. Application of Design of Experiments and Artificial Neural Network in Optimization of Ultrasonic Energy Assisted Transesterification of Sardinella Longiceps Fish Oil to Biodiesel. Journal of the Chinese Institute of Engineers, 38 (6), 731-741, 2015.
13. G Arun Vijay, **N Shenbaga Vinayaga Moorthi**. Improved Linearized Breakup Model for the Liquid Sheets Produced by Swirl Atomizers. Journal of Propulsion and Power 32 (2), 448-455, 2015.
14. M Venkatesan, **N Shenbaga Vinayaga Moorthi**, A Manivannan. Hydrous Methanol Fuelled HCCI Engine Using Ignition Improver CAI Method-ANN Approach. Mechanics and Mechanical Engineering, 19 (1), 31-49, 2015.
15. G Hariharan, **N Shenbaga Vinayaga Moorthi**, N Senthilkumar. A Numerical Simulation Study on Drill Bit Point Angle and Helix Angle during Drilling AISI 1045 STEEL. Proceedings of ICAME-2015, 15th & 16th of October 2015, UCEV, Villupuram, 837-844, 2015.