List of Publications

- 1) Investigation on fluid flow heat transfer and frictional properties of Al2O3 nanofluids used in shell and tube heat exchanger. **D Barik**, Araj TG, Roy Reby. Research Square,2020
- 2) Investigation and separation of waste solar panels. P Jayapradha, **D Barik**, A Jeeyaudeen, PNM Sanjoop, M Prahaladha.Materials Today: Proceedings, 2020
- 3) Experimental investigation of Lawsonia inermis L. biofuel as fuel in a diesel engine. S Aravind, **D Barik**, P Ragupathi, G Vignesh Materials Today: Proceedings, 2020
- 4) Production methods of aluminium foam: A brief review R Karuppasamy, **D Barik** Materials Today: Proceedings, 2020
- 5) Production of open-Cell Metallic Foam Made of Lm6 Aluminum Alloy through Sand Casting R Karuppasamy, **D Barik**, MS Dennison, pp. 15136 15141, 2020
- 6) Electricity Generation from Exhaust Waste Heat of Internal Combustion Engine Using Al2O3 Thermoelectric Generators, P Ragupathi, **D Barik**, G Vignesh, S Aravind. Journal of Applied Science and Engineering Vol 23 No. 1, pp 55-60, 2020
- 7) Experimental analysis on turning of AISI 4340 steel using non-textured, dimple textured and MoS2 coated dimple textured carbide cutting inserts at the rack surface, G Vignesh, **D Barik**, P Ragupathi, S Aravind, Materials Today: Proceedings, 2020
- 8) Combined adjustment of injection timing and compression ratio for an agricultural diesel engine fuelled with Nahar methyl ester, SK Dash, P Lingfa, **D Barik**, International Journal of Ambient Energy, pp 1-13, 2020
- 9) Effects of waste chicken fat derived biodiesel on the performance and emission characteristics of a compression ignition engine, **D Barik**, R Vijayaraghavan, International Journal of Ambient Energy Vol. 41 No.1, pp 88-97, 2020
- 10) Investigation on the effect of aluminium foam made of A413 aluminium alloy through stir casting and infiltration techniques. R Karuppasamy, **D Barik**, NM Sivaram, MS Dennison. International Journal of Materials Engineering Innovation Vol. 11 No. 1, pp 34-50, 2020
- 11) Turning operation of AISI 4340 steel in flooded, near-dry and dry conditions: a comparative study on toolwork interface temperature. MS Dennison, NM Sivaram, **D Barik**, S Ponnusamy. Mechanics and Mechanical Engineering Vol. 23 No. 1, pp 172-182, 2019
- 12) Energy from Toxic Organic Waste for Heat and Power Generation. D Barik. Woodhead Publishing, 2019
- 13) Toxic Waste From Biodiesel Production Industries and Its Utilization. G Vignesh, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 69-82, 2019
- 14) Energy extraction from toxic waste originating from food processing industries. **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 17-42, 2019
- 15) Paper Industry Wastes and Energy Generation From Wastes. PM Gopal, NM Sivaram, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 83-97, 2019
- 16) Toxic waste from textile industries. NM Sivaram, PM Gopal, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 43-54, 2019
- 17) Economic Factors for Toxic Waste Management. **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 195-203,2019

- 18) Toxic waste from leather industries. NM Sivaram, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 55-67, 2019
- 19) Toxic Waste From Municipality. A Sam, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 7-16, 2019
- 20) Health hazards of medical waste and its disposal. KK Padmanabhan, **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, pp 99-118, 2019
- 21) Introduction to energy from toxic organic waste for heat and power generation. **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, 2018
- 22) Comprehensive Remark on Waste to Energy and Waste Disposal Problems. **D Barik**. Energy from Toxic Organic Waste for Heat and Power Generation, 2018
- 23) Effective Utilization of Job Shop Scheduling in Auto Industries with the aid of Social Spider Optimization. KB Gavali, AK Bewoor, **D Barik**. Journal of Green Engineering Vol. 8 No. 4, pp 475-496, 2018
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- 28) Job shop scheduling with the aid of hybrid social spider optimization and gray wolf optimization with industrial scheduling case study. **Barik Debabrata**, Gavali KB, Bewoor A. International Journal of Mechanical Engineering and Technology (IJMET) Vol. 8 No. 10, 2017
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