

## Publications under interdisciplinary research

### Year April 2015-March 2016

1. **Laad Meena, Jatti Vijay kumar**, Yadav Satyendra (05/2015) Comparative Study between SiC Reinforced Al 64430 Metal Matrix Composites and RHA Reinforced Al 64430 Metal Matrix Composites. *Advanced Materials Research*, 1119: 234-238 (Scopus; ISSN: 1022-6680).

### Year April 2014-March 2015

1. **Laad Meena, Jatti Vijaykumar** (03/2015) Investigation into the effect of Aluminium powder on Mechanical, Tribological and Electrical properties of Al - ABS composites. *WSEAS Transactions on Applied and Theoretical Mechanics*, 10(1): 47-53 (Scopus; ISSN: 2224-3429).
2. Patil Kunal, Thipse Sukrut, **Warke Arundhati** (01/2015) Effect of oxygenate and cetane improver on performance and emissions of diesel engine fuelled with diethyl ether-diesel blends. *SAE Technical Papers*, (Scopus; ISSN: 0148-7191).
3. **Jatti Vijay kumar, Laad Meena, Singh T.P.** (07/2014) Raman Spectroscopy Studies on DLC Films Synthesized by PECVD Method. *Applied Mechanics and Materials*, 592-594: 842-846 (Scopus; ISSN: 1662-7482).
4. **Jatti Vijay kumar, Laad Meena, Singh T.P.** (09/2014) Taguchi Approach for Diamond-like Carbon Film Processing. *Procedia Materials Science*, 6: 1017-1023 (ScienceDirect; ISSN: 2211-8128).
5. **Laad Meena, Jatti Vijay kumar**, Jadhav Pratik (10/2014) Investigation into application of electrical discharge machining as a surface treatment process. *WSEAS Transactions on Applied and Theoretical Mechanics*, 9: 245-251 (Scopus; ISSN: 2224-3429).
6. **Ubale Amol**, Pangavhane Dilip, **Warke Arundhati** (08/2014) Performance Improvisation of Conventional Grape Drying Method by Introducing Forced Air Exhaust. *American International Journal of Research in Science, Technology, Engineering & Mathematics*, 7(1) : 1-5 (Ebsco,WorldCat,Google Scholar,Scirus,BASE,Cite Seer,DOAJ,GetCITED,Index Copernicus,Inspec,Open J-Gate,ResearchGate,SPIE D; ISSN: 2328-3580).
7. Deshpande Shantanu, **Warke Arundhati** (10/2014) CFD Simulation for Design Modification of Intake Manifold to Increase Performance Characteristics of 3-Cylinder Diesel Engine. *International Journal of Applied Engineering Research*, 9(21) : 9097-9104 (Scopus; ISSN: 0973-4562).
8. Jadhav Vaibhav, **Warke Arundhati** (07/2014) Investigation of ELAC 1 Aerodynamics using CFD in supersonic flow. *Applied Mechanics and Materials*, : 1955-1961 (Scopus; ISSN: 1660-9336).

### Book Chapters Published

1. **Auti Abhijeet**, Pangavane D.R, **Singh T.P., Sapare Mandar, Warke Arundhati** (01/2015) Study on Reflector Material Optimization of a Parabolic Solar Concentrator. In: *Power Electronics and Renewable Energy Systems* (Edited by: C. Kamalakannan, L. Padma Suresh, Subhransu Sekhar Dash , Bijaya Ketan Panigrahi) Springer India 326, pp: 275-284 (ISBN: 978-81-322-2119-7).

### Year April 2013-March 2014

1. Jadhav M.S, **Khare Kanchan, Warke A.S.** (03/2014) Selection of Significant Input Parameters for Water Quality Prediction- A Comparative Approach. *International Journal of Research in Advent Technology*, 2(3) : 81-90 (WorldCat,Google Scholar,Global Impact Factor,Index Copernicus,Scribd; ISSN: 2321-9637).
2. **Abhijeet Auti, Warke A.S.** (09/2013) Prediction of pressure drop in chilled water piping system using theoretical and CFD Analysis. *International Journal of Engineering and Technology*, 5(4) : 3388-3393 (ISSN: 0975-4024).