

## National/International Journal/Conference Publication

Sr No.	Publication Details
01	<b>S. S. Umale</b> , A. V. Bhonsale, National conference on “ <b>Tribology and Wear</b> ” at Sri Siddhartha Institute of Technology, Tumkur, Karnataka State on <b>24-25 Sep. 2004</b>
02	<b>S. S. Umale</b> , National conference on “ <b>Use of Alternatives Fuels in I C Engines to reduce air pollution</b> ” at Vasavi College of Engineering, Hyderabad, Andhra Pradesh on <b>13-14 May 2005</b>
03	<b>S.S. Umale</b> , P. P. Parhad, Ajay Likhite, S.U. Pathak; “ <b>Austempering Heat Treatment of Low Carbon Equivalent Ductile Irons</b> ”, Indian Foundry Journal, Vol. 58, No 5, p 23, <b>May 2012</b> .
04	Prashant Parhad, <b>Sudhakar Umale</b> , Ajay Likhite, Jatin Bhatt, “ <b>Characterization of Inoculated Low Carbon Equivalent Iron at Lower Austempering Temperature</b> , Trans Indian Inst Met, 65(5):449–458, <b>Oct. 2012</b>
05	Siddique Umair, <b>Sudhakar Umale</b> , “ <b>Calculation of Carbon Footprint of Thermal Power Station</b> ” International Journal of Applied Engineering Research ISSN 0973-4562 Vol. 9, No. 7, pp. 825-838, <b>Jun. 2014</b> .
06	Faizan, <b>Sudhakar Umale</b> , “ <b>Noise and Vibration Analysis of Diesel Engine using Diesel and Jatropa Biodiesel</b> ” International Journal of Engineering Trends and Technology, ISSN: 2231-5381, Vol. 12 (5), <b>Jun. 2014</b> .
07	<b>Sudhakar Umale</b> , Ajay Likhite, D. R. Peshwe and S. U. Pathak, “ <b>Wear Characteristics of Low Carbon Equivalent Austempered Ductile Iron (ADI)</b> , Indian Foundry Journal, Vol 60, No. 9, <b>Sept. 2014</b> . (Received <b>Best Technical Award for Paper of 2015 in I I F</b> )
08	Shahab H. Dabir, <b>S. S. Umale</b> , “ <b>Thermodynamic Analysis of Two-Stage Turbo-charging for Diesel Engine</b> ,” International Journal of Innovations in Engineering and Technology (IJJET), ISSN: 2319 – 1058, Vol. 4, Issue 4, <b>Dec. 2014</b> .
09	Rehan Salahuddin Khan, <b>Sudhakar Umale</b> , “ <b>CFD Aerodynamic Analysis of Ahmed Body</b> , International Journal of Engineering Trends and Technology (IJETT) – ISSN: 2231-5381, Vol. 18, No. 7, <b>Dec. 2014</b> .
10	Pal Durgesh kumar K., <b>Sudhakar Umale</b> , “ <b>Numerical Investigation on Air Side Performance of Fin and Tube Heat Exchangers with Different Types of Fins</b> ,” (SSRG-IJMSE) ISSN: 2395 – 0250, Vol. 1 Issue 2: <b>Apr. 2015</b>
11	Sulekha Meher, <b>Sudhakar Umale</b> , “ <b>Heat Load and Air Circulation Analysis of Diesel Engine Compartment</b> ,” IJSET, Vol. 2 Issue 7, <b>July 2015</b> . ISSN 2348 – 7968
12	B. B. Yawalkar, <b>S. S. Umale</b> , “ <b>Study of Energy Conservation of Industrial Boiler and Steam System</b> ,” Int. J. Engg. Res. & Sci. & Tech., ISSN 2319-5991, Vol. 4, No. 3, <b>Aug. 2015</b> .
13	Yogesh B. Rakate, Kunak Bhavsar, <b>S. S. Umale</b> , “ <b>Experimental and Numerical Analysis of Heat Transfer Augmentation Through a Pipe using Twisted Tape</b> ,” IJRST, ISSN 2349-6010, Vol. 2, No. 10, <b>Mar. 2016</b>
14	<b>Dr. S. S. Umale</b> , Apurva Walke, Ashwini Ganacharya, Saurabh Thapliyal, “ <b>Design, Development and Manufacturing of Pedal Operated Metal Cutting Machine</b> ” IJLEMR, ISSN: 2455-4847, Vol. 1, No. 3, <b>Apr. 2016</b> , pp.16-19
15	Sandeep S. Samane, <b>Sudhakar S. Umale</b> , “ <b>Numerical Investigation of Stress Generated In</b>

	<b>High Pressure Heat Exchanger” IJESRT, ISSN: 2277-9655, 5 (6): Jun, 2016, pp. 771-78.</b>
16	Ankit Lonare, <b>S. S. Umale</b> , “ <b>Characterization of Fluid Flow and Thermal Behaviour of Exhaust Gas Recirculation Cooler by using Computational Technique</b> ” International Conference on Engineering Modelling, Analysis, Simulation and 3D Printing (NAFEMS)” held at NIMHANS Convention Centre, Bangalore, India during 30-31 <b>Aug. 2016</b>
17	Rajaganesh Sivaraman, <b>Dr. S. S. Umale</b> , “ <b>Numerical Simulation of Condensation Induced Water Hammer</b> ” International Conference on Engineering Modelling, Analysis, Simulation and 3D Printing (NAFEMS)” held at NIMHANS Convention Centre, Bangalore, India during 30-31 <b>Aug. 2016.</b>
18	Sahil Attar, <b>Dr. S. S. Umale</b> , “ <b>Numerical Analysis of Pin-Fin Heat Sink with Straight and Tapered Fins under Natural and Forced Convection</b> ” International Conference on Engineering Modelling, Analysis, Simulation and 3D Printing (NAFEMS)” held at NIMHANS Convention Centre, Bangalore, India during 30-31 <b>Aug. 2016.</b>
19	Mahesh Shrigiri, Dr. B. Basu, <b>Dr. S. S. Umale</b> , “ <b>Effect of Welding Heat Input on Microstructure and Hardness of High Strength Structural Steel Weld</b> ” The Institute of Welding (IIW), National Welding Meet (NWM <b>Aug. 2016</b> ), Pune.
20	M V Rane, A A Datal, <b>S S Umale</b> , “ <b>Experimental Analysis of Solar Cooking using Evacuated Glass Tube Collectors with Integrated Heat Storage</b> ” Proceedings of the 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, <b>Dec. 15-17, 2016</b> , MNNITA, Allahabad, UP, India, (paper No. 452)
21	Abhilash Gade, Kannan Iyer, <b>Sudhakar Umale</b> , “ <b>Critical Heat Flux Enhancement of Zircaloy-4 Tube Using Grinding as Surface Modification Technique</b> ” Proceedings of the 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, <b>Dec. 15-17, 2016</b> , MNNITA, Allahabad, UP, India, (paper No. 559)
22	Robin Varghese, Harshal Kolekar, <b>Sudhakar Umale</b> and Sudarshan Kumar, “ <b>Effect of CO2 dilution on the burning velocity of equimolar syngas mixtures at elevated temperatures</b> ” Proceedings of the 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, <b>Dec. 15-17, 2016</b> , MNNITA, Allahabad, UP, India, (paper No. 265)
23	Mahesh Shrigiri, Dr. B. Basu, K. K. Sarkar, <b>Dr. S. S. Umale</b> “ <b>Study on Mechanical Properties of High Thickness High Strength Structural Steel Weld by GMAW Process</b> ” The Indian Institute of Welding (IIW), National Welding Meet (NWM <b>15 Dec. 2016</b> ), Kolkata
24	Rahul S. Thakare, <b>Sudhakar S. Umale</b> , “ <b>Effect of Change in Concentration of Ethylene Glycol Aqueous Solution On Heat Transfer Coefficient During Quenching Process</b> ” IJRET: International Journal of Research in Engineering and Technology, in <b>Sep. 2016</b> , ISSN: 2319-1163, ISSN: 2321-7308
25	<b>Sudhakar Umale</b> presented Technical paper on “ <b>Production of Austempered Ductile Iron (ADI) and Practical Tips</b> ”, National Conference on “Opportunities and Challenges for Indian Foundaries”, organized by The Institute of Indian Foundrymen(FCON PUNE) 2016, Pune Chapter, during <b>20-21 Nov. 2016</b>
26	Shraddha Naik, <b>S. S. Umale</b> , presented Technical Paper on National conference on “ <b>Clean Coal Technology in India</b> ” at Government Polytechnic, Nagpur, <b>28 Feb. 2017. 9</b>

27	Rishabh Melwanki, <b>S. S. Umale</b> , presented Technical Paper on National Conference on “ <b>Analysis of Plate Type offset Fin Compact Heat Exchanger - A Review</b> ” in Mechanical Engineering in Next Decade organized by Govt College of Engineering, Karad on <b>9–10 Mar 2017</b> , Journal of Advances in Science and Technology, Vol. 13, Issue No. 1, (Special Issue) March-2017, ISSN 2230-9659.
28	Rasika Kulkarni, <b>S. S. Umale</b> , presented Technical Paper on National Conference on “ <b>Recent Trends in Alternative Fuels – (A Review)</b> ” in Mechanical Engineering in Next Decade organized by Govt College of Engineering, Karad on <b>9–10 Mar. 2017</b> , Journal of Advances in Science and Technology, Vol. 13, Issue No. 1, (Special Issue) <b>Mar.-2017</b> , ISSN 2230-9659
29	<p>Divyesh Ubale, <b>Sudhakar Umale</b>, Nitin Gulhane presented Technical Paper in Second International Conference on “<b>Experimental investigation of Condensation heat transfer in vertical Shell and Helical coil Heat Exchanger</b>” in Mechanical and Manufacturing Engineering (ICMME-2017) organized by Department of Mechanical Engineering, SCSVMV University, Kanchipuram, Tamilnadu on <b>6–7 Apr. 2017</b>.</p> <p>Divyesh Ubale, <b>Sudhakar Umale</b>, Nitin Gulhane published paper in American Scientific Publishers on “<b>Experimental investigation of Condensation heat transfer in vertical Shell and Helical coil Heat Exchanger</b>” on <b>1st Mar. 2018</b>.</p>
30	Mahesh Wakchaure, <b>Sudhakar Umale</b> , Parimal Kulkarni presented Technical Paper in International Conference on “ <b>Numerical Investigation of Heat Transfer Behaviour during Severe Accident in Indian PHWR</b> ” in Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology (MIANT-2017) organized by Dr. G. C. Mishra Educational Foundation, held at JNU, New Delhi on <b>11th Jun. 2017</b> and published Journal of Material Science and Mechanical Engineering (JMSME) p-ISSN: 2393-9095, Vol. 4 (3) pp 118-125.
31	Rishabh Melwanki, <b>Sudhakar Umale</b> presented Technical Paper in International Conference on “ <b>Development of Pressure Drop and Heat Transfer Characteristics for a Plate Type-Fin Compact Heat Exchanger Using Numerical Investigation</b> ” in Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology (MIANT-2017) organized by Dr. G. C. Mishra Educational Foundation, held at JNU, New Delhi on <b>11th Jun. 2017</b> and published Journal of Material Science and Mechanical Engineering (JMSME) p-ISSN: 2393-9095, Vol. 4 (3) pp 147-153.
32	A. V. Sid, Mukesh Kumar, <b>S. S. Umale</b> , A. K. Nayak, A. K. Vishnai presented Technical Paper in International Conference on “ <b>Design and Analysis of Natural Circulation based Integral Receiver System for 2 MW Electric Beam Down Solar Thermal Plant</b> ” in Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology (MIANT-2017) organized by Dr. G. C. Mishra Educational Foundation, held at JNU, New Delhi on <b>11th Jun 2017</b> and published Journal of Energy Research and Environmental Technology (JERET) p-ISSN: 2394-1561, Vol. 4 (2) pp 176-182.
33	Rasika S. Kulkarni, <b>Sudhakar Umale</b> , Kaustubh Mujumdar presented Technical Paper in 1st International Conference on Thermal and Fluid Engineering: Thailand 2017 “ <b>Numerical 10 Investigation of Laminar Natural Convection in Rectangular Enclosures</b> ” in Advances in Engineering Sciences: ICAES2017 on <b>3 – 5 July 2017</b> , ISBN 978-605-9546-05-8, Phuket, Thailand.

34	<b>Sudhakar Umale</b> , Shrikant Baste, presented Technical Paper in International Conference on Technological Innovations in Engineering and Management on “ <b>Vibration Characteristics of Pongamia Pinnata (Karanja) Biodiesel and Its effects on performance of C I Engine</b> ” at Deogiri Institute of Engineering and Managent Studies, Aurangabad, on <b>26th -27th Feb. 2018</b>
35	Nivedita Patil and <b>Dr. Sudhakar Umale</b> , Technical Paper submitted on “ <b>Quantitative Assessment of the Thermal Performance of Plate Heat Exchangers using CFD</b> ”, in 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) <b>Dec. 10-12, 2018</b> , IIT Bombay, Mumbai, India.
36	Nivedita Patil and <b>Dr. Sudhakar Umale</b> , Technical Paper submitted on “ <b>Quantitative Assessment of the Thermal Performance of Plate Heat Exchangers using CFD</b> ”, in 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) <b>Dec. 10-12, 2018</b> , IIT Bombay, Mumbai, India.
37	Deepak Gawali and <b>Sudhakar Umale</b> , Technical Paper submitted on “ <b>Investigating the Effects of Fouling on Fluid Flow and its Mitigation Techniques for Shell and Tube Heat Exchanger using CFD simulation</b> ” in 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) <b>Dec. 10-12, 2018</b> , IIT Bombay, Mumbai, India.
38	Joshi Akshay, Naveen Kumar and <b>Sudhakar Umale</b> , Technical Paper submitted on “ <b>Study of Natural Circulation Loop Behaviour Using Drift Flux Model</b> ” in 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) <b>Dec. 10-12, 2018</b> , IIT Bombay, Mumbai, India.
39	Santosh Kamble and <b>Sudhakar Umale</b> presented Technical Paper in 3rd International Conference on Recent Research Emerging Trends in Material and Mechanical Engineering 2019” on “ <b>Experimental Investigation of Thermoelectric Cooling System with Phase Change Material (PCM)</b> ” in Journal of Emerging Technologies and Innovative Research (JETIR) on <b>12 – 13 July 2019</b> , ISSN 2349-5162, Reva University, Bangalore, India.
40	Omkar Yadav, <b>Sudhakar Umale</b> and Ashish Vajir presented Technical Paper in 3rd International Conference on Recent Research Emerging Trends in Material and Mechanical Engineering 2019” on “ <b>Numerical Investigation on Divergent Section in Orifice of Pressure Swirl Atomizer</b> ” in Journal of Emerging Technologies and Innovative Research (JETIR) on <b>12 – 13 July 2019</b> , ISSN 2349-5162, Reva University, Bangalore, India.
41	Ajay Kambale and <b>Sudhakar Umale</b> presented Technical Paper in 3rd International Conference on Recent Research Emerging Trends in Material and Mechanical Engineering 2019” on “ <b>Heat Transfer Analysis in Compound Parabolic Collector: A CFD Approach</b> ” in Journal of Emerging Technologies and Innovative Research (JETIR) on <b>12 – 13 July 2019</b> , ISSN 2349-5162, Reva University, Bangalore, India.