



# Sagar Institute of Research & Technology, Bhopal

## Department of Mechanical Engineering

### Details of Research Paper Published

- Dr. Nitin Tenguria published paper having title Experimental Investigation of Heat Transfer in Modified Finned Tube Banks Arrangement with in-Line and Staggered Layout in International Journal of Innovative Research in Technology vol no. 7, ISSN/ ISBN No. 2349-6002
- Dr. Nitin Tenguria published paper having title A review on Three-Dimensional performance Analysis of Circular Fin Tube Heat Exchanger in International Journal of Scientific Research and Engineering Trends vol no. 6, ISSN/ ISBN No. 2395-566X
- Dr. Irshad Ahmad Khan published paper having title Mechanical Properties of Silicon Nitride Particles Filled Epoxy Composites in International Journal of Engineering Research in Current Trends vol no. 2, ISSN/ ISBN No. 2582-5488
- Dr. Irshad Ahmad Khan published paper having title Thermal Properties of Silicon Nitride Particles Filled Epoxy Composites in Recent Advances in Thermal Engineering vol no. 1
- Dr. Nitin Tenguria published paper having title Structural Performance of 14m HAWT blade through CFD in International Journal of Innovative Technology and Exploring Engineering vol no. 9, ISSN/ ISBN No. 2278-3075
- Dr. Irshad Ahmad Khan published paper having title Verification of Sliding Ratio of Airfoil through CFD Analysis in Journal of Scientific Research vol no. 64.
- Dr. Irshad Ahmad Khan published paper having title Assessment of Damage in Beam Through vibration indices And Ai Technique in International Journal of Research in Technology and Management vol no. 6, ISSN/ ISBN No. 2454-6240

- Dr. Irshad Ahmad Khan published paper having title Heat Transfer Through Duct with Twisted Tape Inserts: A Review in International Journal of Engineering Research in Current Trends vol no. 2, ISSN/ ISBN No. 2582-5488
- Prof. N K Sagar published paper having title CFD Analysis of Heat Transfer in
- Prof. N.K. Sagar published paper having title A study on heat transfer and fluid flow analysis of porous Annular Fins of Various Profiles Having Different Shapes of Perforation in International Journal for Research in Applied Science and Engineering Technology vol no. 8, ISSN/ ISBN No. 2321-9653
- Dr. Nitin Tenguria published paper having title Computational Investigation on Thermo-Hydraulic Performance Characteristics of Ribbed Passage with Turbulence Generators in International Journal of Scientific Research and Engineering Development vol no. 2, ISSN/ ISBN No. 2581-7175
- Dr. Nitin Tenguria published paper having title Heat Transfer Enhancement by Turbulators: A Review in International Journal of Innovative Research in Technology vol no. 6, ISSN/ ISBN No. 2349-6002
- Dr. P. K. Jain published paper having title Thermal analysis of hydrodynamic journal bearing fluid film in Engineering Universe for Scientific Research and Management vol no. 11, ISSN/ ISBN No. 2319-3069
- Dr. D. K. Koli published paper having title Analysis on Heat Recovery of an Engine Radiator using  $(\text{CH}_2\text{OH})_2$  Based Nanofluid Having  $\text{TiO}_2$  Nano Particles in Journal of Thermal Engineering and Applications vol no. 6, ISSN/ ISBN No. 2349-8994
- Dr. Irshad Ahmad Khan published paper having title Heat Transfer Augmentation Using Twisted Tape Inserts in Heat Exchanger in International Journal of Innovative Research in Technology vol no. 6, ISSN/ ISBN No. 2349-6002
- Prof. N.K. Sagar published paper having title Enhancing the performance of spiral tubes heat exchanger using Pcm with nano particles in Technical Research Organization India vol no. 5, ISSN/ ISBN No. 2394-6210

- Medium solar thermochemical reactor in International Journal of Advances in Production and Mechanical Engineering vol no. 5, ISSN/ ISBN No. 2394-6202
- Prof. Dinesh Ramchandani published paper having title Experimental investigation of performance characteristic of compression-ignition engine with biodiesel of Jatropha oil & Coconut oil at fixed compression ratio in Elsevier vol no. 5, ISSN/ ISBN No. 2405-8440
- Dr. Nitin Tenguria published paper having title Experimental Analysis of a Diesel Engine Run on Different Biodiesel Fuel Blends in International Journal of Trend in Scientific Research and Development vol no. 3, ISSN/ ISBN No. 2456-6470
- Dr. Nitin Tenguria published paper having title Modal Analysis of Large E-Glass / Carbon Fibre HAWT Blade in Journal of Emerging Technologies and Innovative Research vol no. 6, ISSN/ ISBN No. 2349-5162
- Dr. Nitin Tenguria published paper having title Review on Optimizing Solar PV Efficiency by using Tracking and Cooling System in Smart Moves Journal Ijoscience vol no. 5, ISSN/ ISBN No. 2455-0108
- Prof. N.K. Sagar published paper having title A Review on Thermal Transport and Fluid Flow in High-Temperature Porous Media Solar Thermochemical Reactor in Journal of Advances in Science and Technology vol no. 16, ISSN/ ISBN No. 2230-9659
- Prof. N.K. Sagar published paper having title A Review on Phase Change Material (PCM) Heat Exchanger with Spiral-Wired Tubes in Journal of Advances in Science and Technology vol no. 16, ISSN/ ISBN No. 2230-9659
- Dr. Nitin Tenguria published paper having title CFD Analysis of Plate heat sink with pin fin having Various Profiles in International Journal of Fluid and Thermal Engineering vol no. 3, ISSN/ ISBN No. 2455-3670
- Dr. Nitin Tenguria published paper having title Review on Design of Horizontal Axis Wind Turbine Blades in International Journal Of Research And Analytical Reviews (IJRAR) vol no. 5, ISSN/ ISBN No. 2349-5138
- Dr. Nitin Tenguria published paper having title Comparison of Second Law Efficiency of Halocarbon Refrigerants Ethane Serie Influenced by Evaporator

Temperature for Vapour Compression Refrigeration System in International Journal on Emerging Technologies vol no. 9, ISSN/ ISBN No. 0975-8364

- Dr. P. K. Jain published paper having title Performance Analysis of Triple Concentric Tube Heat exchanger with Ribs in International Journal of Research and Scientific Innovation (IJRSI) vol no. 5, ISSN/ ISBN No. 2321-2705
- Dr. P. K. Jain published paper having title Thermal Performance Improvement of Single Cylinder IC Engine in International Journal of Research and Scientific Innovation (IJRSI) vol no. 5, ISSN/ ISBN No. 2321-2705
- Dr. P. K. Jain published paper having title Evaluation of cutting force during machining of aluminium metal matrix composite by finite element modelling and simulation using ABAQUS 6.13 in vol no. 4, ISSN/ ISBN No. 2455-2585
- Prof. Dinesh Ramchandani published paper having title Performance Characteristics of C. I. Engine with Biodiesel Blends of Jatropha, Soyabean Oil and Waste Cooking oil at fixed Compression Ratio International Journal of Vehicle Structures and Systems in vol no. 10, ISSN/ ISBN No. 0975-3060
- Dr. Irshad Ahmad Khan published paper having title Effect of Concentration of naoh treatment on Mechanical Properties of Epoxy/Sisal Fiber Composites in International Conference on Advances in Materials Processing & Manufacturing Applications at NIT Uttarakhand on 5th – 6th November 2020
- Prof. Prakash Katdare published paper having title Temperature Profile and Pattern Factor at the Exit of Swirl Dump Combustor in 1st International Conference on Innovations in Clean Energy Technologies at MANIT Bhopal on 27th – 28th August 2020
- Dr. P. K. Jain published paper having title Microstructure and mechanical properties of silicon carbide particle reinforced aluminium 6101 metal matrix composite produced by two-step stir casting in 10th International Conference on Materials Processing and Characterization (ICMPC) at GLA University, Mathura on 21st – 23rd Feb 2020
- Dr. P. K. Jain published paper having title Finite element modelling and simulation of machining of aluminium metal matrix composites using ABAQUS in 5th International Conference on Advances in Engineering,

Pharmaceutical & Applied Sciences at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019

- Dr. P. K. Jain published paper having title Theoretical Analysis of Exergy Loss during Compression Process of a Vapour Compression Refrigeration Cycle using R 134 (a) as Refrigerant in 5th International Conference on Advances in Engineering, Pharmaceutical & Applied Sciences at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019
- Dr. P. K. Jain published paper having title Particle Reinforced Aluminium 6101 Metal Matrix Composite Using Two-Step Stir Casting in 9th International Conference on Materials Processing and Characterization (ICMPC) at Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad on 8-10 March, 2019
- Dr. D. K. Koli published paper having title Characterization of Aluminum Matrix Self-lubricated Nano Composites for Wear Resistance in 5th International Conference on Advances in Engineering, at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019
- Dr. Irshad Ahmad Khan published paper having title Damage Identification of the structures using modal signatures and trapezoidal fuzzy controller in 5th International Conference on Advances in Engineering, Pharmaceutical & Applied Sciences at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019
- Dr. Irshad Ahmad Khan published paper having title Fault Diagnosis of Beam through Vibration Analysis and AI Technique in National Conference on Emerging Trends in Science, Engineering and Technology at Sagar Institute of Research and Technology Bhopal on April 12-13, 2019
- Dr. Irshad Ahmad Khan published paper having title Role of Mechatronics System in Mechanical Engineering in National Conference on Recent Advances in Mechanical, Manufacturing and Industrial Engg. And Tech. at Rabindranath Tagore University Bhopal on March 29-30, 2019
- Prof. Dileep Jigyasi published paper having title Assembly Line Balancing – A Review in 5th International Conference on Advances in Engineering,

Pharmaceutical & Applied Sciences at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019

- Prof. Praveen Kumar Nigam published paper having title Heat Transfer Enhancement with Nanofluids in 5th International Conference on Advances in Engineering, Pharmaceutical & Applied Sciences at Sagar Institute of Research and Technology Bhopal on February 21-23, 2019
- Prof. Praveen Kumar Nigam published paper having title HAWT Blade Design : A Review in 14th International Conference Global Advancement In Engineering, Management, Pharmacy, Science And Humanities at Mathura Devi Group Of Institution, Indore on January 19-20, 2019
- Dr. Nitin Tenguria published a book having title Heat Transfer and Friction Behaviours in Ribbed Rectangular Channel with publisher LAMBERT Academic Publishing having ISBN No. 978-620-2-68216-9
- Dr. Irshad Ahmad Khan published a book having title Auto cad Handbook for Practice: With 2D Drawings & Solutions with publisher Kindle Direct Publication (Amazon) having ISBN No. 979-8-651-70925-0
- A research paper titled “A Review: Analysis of Integrated Solar Heat and Wind Power Plant ” authored by Prof. D S Rajput published in International Journal for Scientific Research & Development, Vol 5 Issue 10.
- Paper of Dr Nitin Tenguriya, titled “ A study on sheet metal hole – flanging process” accepted for publication in Materials Today, Elsevier Journal in Dec 2016.