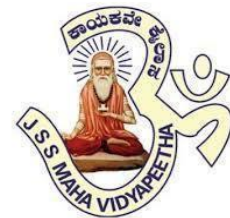




JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION
Department of Mechanical Engineering



Publication Details

Journal Publications 2023

1. Rajanna, L., Mamatha, T. G., Prabhuswamy, M. S., Singh, V., & Bansal, A. (2023). Performance of HVOF sprayed WC-10Co-4Cr coating onto cast 21-4N steel for slurry erosion: Characterization and erosion rate studies. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 09544062231211717.
2. Rai, S., Vishnoi, M., & Mamatha, T. G. (2023). A novel investigation of sacrificing layer effect on micro-channel fabrication of glass using rotary ultrasonic machining. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 45(7), 350.
3. Vishnoi, M., Srivastava, S., Rai, S., Verma, N., & TG, M. (2023). Experimental investigations of AA6061/Al₂O₃/WC/SiC hybrid metal matrix composite fabricated by two step stir casting. *Advances in Materials and Processing Technologies*, 1-23.
4. Rai, S., Srivastava, S., Vishnoi, M., & Mamatha, T. G. (2023). Role of sacrificing layer on glasses during ultrasonic machining (USM)-a review. *Materials Today: Proceedings*, 78, 594-602.
5. Chauhan, N., Kumar, V., & Dixit, S. (2023). To achieve sustainability in a supply chain with Digital integration: A TISM approach. *International Journal of Experimental Research and Review*, 30, 442-451.
6. J, N., Payal, H., & Chauhan, P. (2023). ISM approach to model financial risks in Indian KPO organization. *International Journal of Experimental Research and Review*, 32, 40–58. <https://doi.org/10.52756/ijerr.2023.v32.003>
7. Vishnoi, M., Rai, S., Verma, N., & Maurya, M. (2023). Stir Cast AA 6351/Graphene/TiB₂/Rice Husk Ash composite: Fabrication and assessment of mechanical properties. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 09544062231213182.
8. Anil Kumar, Kapil Dev, Ashish Dahiya, Fabrication and Mechanical Characterization of Pomegranate Peel Powder mixed Epoxy Composite. *EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy*, Vol. 10, Issue 04, pp2173-2179, December 2023.
9. Vishnoi, M., Murtaza, Q., & Kumar, P. (2023). Mechanical and surface characterization of Er₂O₃/La₂O₃/CeO₂ doped carbide coating developed using high velocity oxy fuel (HVOF).

Physica Scripta, 98(11), 115618.

10. Vishnoi, M., Murtaza, Q., & Kumar, P. (2023). Mechanical and Surface Wettability Analysis of Rare Earth Modified Composite Coating Developed Using Metal Spraying. *Arabian Journal for Science and Engineering*, 1-12.
11. Vishnoi, M., Murtaza, Q., & Kumar, P. (2023). Characterization of erbium oxide doped HP-HVOF deposited carbide ceramic coating on martensitic steel. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 09544062231164299.
12. Vishnoi, M., Murtaza, Q., & Kumar, P. (2023). Mechanical and Erosion Characterization of Untreated and Solution-Treated Nitrogen-Alloyed (23-8N) Austenitic Stainless Steel. *Journal of Materials Engineering and Performance*, 1-11.
13. Srivastava, S., Vishnoi, M., Gangadhar, M. T., & Kukshal, V. (2023). An insight on Powder Mixed Electric Discharge Machining: A state of the art review. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 237(5), 657-690.
14. Mudit K. Bhatnagar, Siddharth Srivastava Srivastava, Vansh Malik, Mamatha Theetha Gangadhar, Mohit Vishnoi; A Comprehensive Review on Application of Spark Discharge Method (SDM) for Production of Nanoparticles, *Manufacturing and Processing of Advanced Materials* (2023) 1: 127. <https://doi.org/10.2174/9789815136715123010015>
15. Singh, A., Srivastava, A.K., Kumar, A., Bajaj, R. and Singh, G.K., 2023. Design and development of plentiful fly ash-based glass powder-reinforced plastic composite bricks for low water absorption and high compressive and flexural strength. *International Journal on Interactive Design and Manufacturing (IJIDeM)*, pp.1-10.
16. Singh, P., Chauhan, N.R., Rajesha, S. (2023). Effect of addition of sintering aid on densification behaviour of alumina ceramic. *Advances in Materials Processing Technologies*, DOI: 10.1080/2374068X.2023.2168239
17. Sampath Kumar V, Veerendra Kumar A N, Sanjiba Kumar Bisoyi and J P Pandey “The novel evaluation scheme for Competency Based Learning, authentic assessment and its implementation strategies for universities of higher education” *Journal of Engineering Education Transformations*, Volume No 36, January 2023, Special issue, eISSN 2394-1707

Conference Publications 2023

1. Saraswat, S., Ojha, K., Saraswat, R. (2023). Condition Monitoring of Reciprocating Compressor Using ANN. In: Sikarwar, B.S., Sharma, S.K., Jain, A., Singh, K.M. (eds) *Advances in Fluid and Thermal Engineering. FLAME 2022. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-99-2382-3_3
2. Ghosh, A., Sharma, A., Varshney, B., Chirag, Kashyap, P.K. (2023). A Theoretical Thermodynamic Analysis of R1234yf/CO2 Cascade Refrigeration System. In *RAMMTE 2022. Lecture Notes in Mechanical Engineering*. Springer, Singapore. https://doi.org/10.1007/978-981-19-8517-1_5

Journal Publications 2022

1. Vipul Saxena, Naveen Kumar, and Raghvendra Gautam, “Experimental Investigation on the Effectiveness of Biodiesel Based Sulfur as an Additive in Ultra Low Sulfur Diesel on the Unmodified Engine”, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Volume 44, 2022 - Issue 2 [Web of Science].
2. Navneet Kumar Pandey, Abhishek Sharma, Neelam Yadav, Anil Prakash Singh & Vijay Kumar Bajpai, “Fluid flow and heat transfer evaluation and optimization of solar-assisted air-heater having multi-arcs with gaps used as roughness elements” in *International Journal of Ambient Energy* (Taylor and Francis), 2022, <https://doi.org/10.1080/01430750.2022.2128412>.
3. Navneet Kumar Pandey, Abhishek Sharma, Avdhesh Tyagi, Yashvir Singh, Nishant K Singh, “Effect of process parameters on the diesel engine performance fuelled with Prosopis juliflora biodiesel response surface methodology approach” in *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, 2022, Vol 236, PP- 440-451
4. Tripathi V., Saraswat S., Gautam G.D. (2022) Development of a data driven decision making system using lean and smart manufacturing concept in industry 4.0: a case study *Mathematical Problems in Engineering* <https://doi.org/10.1155/2022/3012215>.
5. Tripathi V., Saraswat S., Gautam G.D. (2022) A novel smart production management system for the enhancement of industrial sustainability in industry 4.0 *Mathematical Problems in Engineering* <https://doi.org/10.1155/2022/6424869>.
6. Tripathi V., Saraswat S., Gautam G.D. (2022) Improvement in shop floor management using ANN coupled with VSM: A case study *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*. <https://doi.org/10.1177/09544062211062062>
7. Mamatha, T. G., Vishnoi, M., Srivastava, S., Malik, V., & Bhatnagar, M. K. (2022). Micro-channel fabrication on silicon wafer (100) using Rotary Ultrasonic Machining. *Silicon*, 14(16), 10271-10290.
8. Jain, G., Arora, A., & Gupta, S. N. (2022). Exergy analysis of a vortex tube expansion two-stage transcritical N₂O refrigeration cycle. *International Journal of Ambient Energy*, 43(1), 4757-4766.
9. Singh, P., Chauhan, N.R., Rajesha, S. (2022). Effect of the addition of ductile phase on mechanical properties of Alumina/nano SiC ceramic composite, DOI: 10.1080/2374068X.2022.2120291.

Conference Publications 2022

1. Vipul Saxena, Naveen Kumar, and Raghvendra Gautam, “Comparative assessment of unmodified diesel engine characteristics with commercial diesels”, *International Conference on*

- mechanical engineering (INCOME-2021), Lecture Notes in Mechanical Engineering (Springer Nature) [Scopus].
2. Chauhan, N. K., Kumar, V., & Dixit, S. (2022, August). A Study of Key Challenges in Implementation of Digital Supply Chain in the Context of Indian SMEs. In Biennial International Conference on Future Learning Aspects of Mechanical Engineering (pp. 23-32). Singapore: Springer Nature Singapore.
 3. Tripathi, V., Saraswat, S., Gautam, G.D. (2022). A Study on Implementation of Various Approaches for Shop Floor Management. In: Bansal, R.C., Agarwal, A., Jadoun, V.K. (eds) Advances in Energy Technology. Lecture Notes in Electrical Engineering, vol 766. Springer, Singapore. https://doi.org/10.1007/978-981-16-1476-7_35
 4. Naveen J, Himanshu Payal “An ISM approach for cost factors in a product lifecycle costing” has been published in the Proceeding of the 2nd International Conference on TECHNOLOGY INNOVATIONS IN MECHANICAL ENGINEERING (TIME-2022) by Selective & Scientific Books ISBN: 978-93-92787-18-8
 5. Tripathi V., Saraswat S., Gautam G.D. (2022) A Study on Implementation of Various Approaches for Shop Floor Management. In: Bansal R.C., Agarwal A., Jadoun V.K. (eds) Advances in Energy Technology. Lecture Notes in Electrical Engineering, vol 766. Springer, Singapore. https://doi.org/10.1007/978-981-16-1476-7_35.
 6. Tripathi V., Saraswat S., Gautam G., Singh D. (2022) Shop Floor Productivity Enhancement Using a Modified Lean Manufacturing Approach. In: Dubey A.K., Sachdeva A., Mehta M. (eds) Recent Trends in Industrial and Production Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3135-1_23.
 7. Tripathi V., Saraswat S., Gautam G.D. (2022) Development of a Systematic Framework to Optimize the Production Process in Shop Floor Management. In: Dubey A.K., Sachdeva A., Mehta M. (eds) Recent Trends in Industrial and Production Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3135-1_7.
 8. Tripathi, V., Saraswat, S., Gautam, G.D. (2022). A Study on Implementation of Various Approaches for Shop Floor Management. In: Bansal, R.C., Agarwal, A., Jadoun, V.K. (eds) Advances in Energy Technology. Lecture Notes in Electrical Engineering, vol 766. Springer, Singapore. https://doi.org/10.1007/978-981-16-1476-7_35
 9. Divya Chandra, Nathi Ram Chauhan, Rajesha S., (2022) Process Optimization of EDM Parameters using TAGUCHI while machining aluminium metal matrix Composite., Optimization of Industrial systems, Book Chapter, Wiley Online Library <https://doi.org/10.1002/9781119755074.ch41>.

Journal Publications 2021

1. Neelam, K., Meeta, S., Onkar, S., & Kumar, S. A. (2021). Thermo-economic analysis of an integrated solar thermal cycle (ISTC) using thermal storage. *Journal of Cleaner Production*, 320, 128725. <https://doi.org/10.1016/j.jclepro.2021.128725>

2. Yadav, P., Kumar, N., & Gautam, R. (2021). Thermo-economic Analysis of an Integrated Solar Thermal Cycle (ISTC) using Thermal Storage. *Journal of cleaner production*
3. Vishnoi, M., Kumar, P., & Murtaza, Q. (2021). Surface texturing techniques to enhance tribological performance: A review. *Surfaces and Interfaces*, 27, 101463.
4. Yadav, P., Kumar, N., & Gautam, R. (2021). Improvement in performance of CI engine using various techniques with alternative fuel. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-27
5. Pandey, N. K., V. K. Bajpai, A. Sharma 2021. "Exergy analysis of roughened duct using multiple arcs with gaps used in solar air heaters." *International Journal of Ambient Energy*. <https://doi.org/10.1080/01430750.2021.1873180>
6. Dubey, P., Chauhan, P., Shekhar, P., Agarwal, P., & Sharma, P. (2021). Quantisation of driving enablers enabling transition from traditional to flexible manufacturing system. *International Journal of Manufacturing Technology and Management*, 35(2), 89-108

Conference Publications 2021

1. Bhatnagar, M. K., Rai, M., Ashraf, M., Kapoor, O., Mamatha, T. G., & Vishnoi, M. (2021). Efficiency enhancement of heat exchanger using inserts and nano-fluid-A review. *Materials Today: Proceedings*, 44, 4399-4403.
2. Vishnoi, M., Murtaza, Q., & Kumar, P. (2021). Effect of rare earth elements on coatings developed by thermal spraying processes (TSP)—a brief review. *Materials Today: Proceedings*, 44, 4053-4058.
3. Malik, V., Srivastava, S., Gupta, S., Sharma, V., Vishnoi, M., & Mamatha, T. G. (2021). A novel review on shape memory alloy and their applications in extraterrestrial roving missions. *Materials Today: Proceedings*, 44, 4961-4965.
4. Srivastava, S., Malik, V., & Vishnoi, M. (2021). Study on effects of quantum dots in optoelectronics and hydrogen evolution: a review. *Materials Today: Proceedings*, 45, 5672-5677.
5. Malik, V., Srivastava, S., Bhatnagar, M. K., & Vishnoi, M. (2021). Comparative study and analysis between Solid Oxide Fuel Cells (SOFC) and Proton Exchange Membrane (PEM) fuel cell—A review. *Materials Today: Proceedings*, 47, 2270-2275.
6. Vishnoi, M., Veerendra Kumar, A. N., Verma, N., & Mamatha, T. G. (2021). Investigation of Tensile and Flexural Properties of Epoxy-Based Reinforced with Sugarcane Trash and Kevlar Pulp Filler Hybrid Polymer Composite. In *Advances in Engineering Design: Select Proceedings of FLAME 2020* (pp. 259-274). Singapore: Springer Singapore.
7. Bhati, P., Shrama, V., Jha, R., Gupta, S., Vishnoi, M., & Mamatha, T. G. (2021). The Coatings Developed by Thermal Spraying Technique for Hydroturbine Applications—A Brief Review. *Advances in Fluid and Thermal Engineering: Select Proceedings of FLAME 2020*, 559-574.
8. Tripathi, A., Pandey, A., Rathore, A., Singh, A., & Vishnoi, M. (2021). Study on Tribological Behavior of HVOF Developed Coatings Especially for Hydroturbine Runner Application—A

Concise Review. *Advances in Fluid and Thermal Engineering: Select Proceedings of FLAME 2020*, 575-595.

9. Srivastava, S., Malik, V., Bhatnagar, M. K., Verma, N., Mamatha, T. G., & VISHNOI, M. (2021). Characterization of Aluminium Hybrid Metal Matrix Composites.
10. Mamatha, T. G., Bhatnagar, M. K., Malik, V., Srivastava, S., & Vishnoi, M. (2021). A Comprehensive Review 4 of Ultrasonic Machining. *Advanced Materials and Manufacturing Processes*, 35.
11. Bhatnagar, M. K., & Vishnoi, M. (2021). Different methods of ferro-fluids production with their stability and its applications especially in internal combustion engines-a review. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-30
12. Divya Chandra, Nathi Ram Chauhan, Surface protective coatings on Mg alloys – A review, *Materials today proceedings*.47,13 (2021) pp. 3819-3822
13. Srivastava, A. K., Dixit, A. R., Maurya, M., Saxena, A., Maurya, N. K., Dwivedi, S. P., & Bajaj, R. (2021). 20th Century Uninterrupted Growth in Friction Stir Processing of Lightweight Composites and Alloys. *Materials Chemistry and Physics*, 266, 124572
14. Singh, A., Verma, N., Chaurasia, A., & Kumar, A. (2020, March). Effect of TiO₂ additive volume fraction in lubricant oil on the performance of hydrodynamic journal bearing. In *IOP Conference Series: Materials Science and Engineering* (Vol. 802, No. 1, p. 012005). IOP Publishing.
15. Rishabh Chaudhary, Srishti Singh, Vaibhav Kumar Pathak, Vipul Saxena, “Design Optimization of Torque Link of an Aircraft Landing Gear Assembly”, *Lecture Notes in Mechanical Engineering* (Springer Nature) doi.org/10.1007/978-981-16-0673-1_12 [Scopus].
16. Singh, P., Chauhan, N. R., & Rajesha, S. (2020). Design, fabrication and performance analysis of mini ball miller, *Materials Today Proceedings*, 42, 1202-1206, doi.org/10.1016/j.matpr.2020.12.690.

Journal Publications 2020

1. Pandey, N. K., V. K. Bajpai, A. Sharma, and S. Yadav 2020. “CFD and Thermo-Hydraulic Analysis of Multiple Arc Roughened Absorber Plate with Gaps used in Solar Air-Heaters.” *International Journal of Ambient Energy*. <https://doi.org/10.1080/01430750.2020.1824941>
2. Bajaj, R., Dixit, A. R., & Tiwari, A. K. (2020). Machining performance enhancement of powder mixed electric discharge machining using Green dielectric fluid. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 42(10), 1-20.
3. Jain, G., Arora, A., & Gupta, S. N. (2020). Performance characteristics of a two-stage transcritical N₂O refrigeration cycle with vortex tube. *International Journal of Ambient Energy*, 41(5), 491-499.

Conference Publications 2020

1. Singh, P., Chauhan, N. R., & Rajesha, S. (2020). Effect of ball milling and metal filler alloy on microstructural bonding of Al₂O₃-SiC nano ceramic composite. *Materials Today*
2. Divya Chandra, Nathi Ram Chauhan, Rajesha S., Hardness and toughness evaluation of developed Al metal matrix composite using stir casting method, *Materials today proceedings*.25,4 (2020) pp. 872-876
3. Singh, A., Verma, N., Chaurasia, A., & Kumar, A. (2020, March). Effect of TiO₂ additive volume fraction in lubricant oil on the performance of hydrodynamic journal bearing. In *IOP Conference Series: Materials Science and Engineering* (Vol. 802, No. 1, p. 012005). IOP Publishing
4. Vishnoi, M., Murugan, S. S., Kumar, A. V., & Mamatha, T. G. (2020). Analysis of plastic deformation of Al6063, Magnesium AZ91C and commercially used Titanium alloys using ECAP. *Materials Today: Proceedings*, 25, 710-718
5. Saxena, V., Yadav, P. S., & Pali, H. S. (2020). Effect of magnetic abrasive machining process parameters on internal surface finish. *Materials Today: Proceedings*, 25, 842-847
6. Tripathi V, Gautam G. D., Sarswat S (2020)“Process Optimization Methods for Shop Floor Planning: A Study” *International Journal of Engineering Research & Technology, Encadems - 2020 (VOLUME 8 - ISSUE 10)*
7. Singh, P., Chauhan, N. R., & Rajesha, S. (2020). Effect of ball milling and metal filler alloy on microstructural bonding of Al₂O₃-SiC nano ceramic composite. *Materials Today: Proceedings*, 25, 838-841.
8. Saxena, V., Yadav, P. S., & Pali, H. S. (2020). Effect of magnetic abrasive machining process parameters on internal surface finish. *Materials Today: Proceedings*, 25, 842-847
9. Singh, A., Chauhan, P., & Mamatha, T. G. (2020). A review on tribological performance of lubricants with nanoparticles additives. *Materials today: proceedings*, 25, 586-591.
10. Shakya, R., & Chauhan, P. (2020, February). Modelling Drivers of Coordination Risk in Production System. In *IOP Conference Series: Materials Science and Engineering* (Vol. 748, No. 1, p. 012018). IOP Publishing.
11. Vishnoi, M., Kumar, P., & Murtaza, Q. (2020). A review on coating for hydro-turbine application by HVOF process. *Advances in Materials Engineering and Manufacturing Processes: Select Proceedings of ICFTMM 2019*, 79-103.
12. Vipul Saxena, H.S Pali, “Structural and Magnetic Analysis of Electro Magnetic Suspension Spring”, *International Symposium on Fusion of Science & Technology (ISFT-2020)*, January 6-10, 2020, JC Bose University of Science & Technology, YMCA, Faridabad, Haryana, India. *IOP Conf. Series: Materials Science and Engineering* 804 (2020) 012022 IOP Publishing doi:10.1088/1757-899X/804/1/012022 [Scopus].

Journal Publications 2019

1. Singh, A., Chauhan, P., & Mamatha, T. G. (2020). A review on tribological performance of lubricants with nanoparticles additives. *Materials today: proceedings*, 25, 586-591
2. Vishnoi, M., Murugan, S. S., Kumar, A. V., & Mamatha, T. G. (2020). Analysis of plastic deformation of Al6063, Magnesium AZ91C and commercially used Titanium alloys using ECAP. *Materials Today: Proceedings*, 25, 710-718
3. Bajaj, R., Dixit, A. R., Tiwari, A. K., & Chauhan, N. K. (2021). Machining performance enhancement of EN-31 diesteel using MWCNT mixed rotary EDM. *Indian Journal of Engineering and Materials Sciences (IJEMS)*, 27(2), 309-319.
4. Dwivedi, S. P., Dixit, A., & Bajaj, R. (2019). Development of bio-composite material by utilizing chrome containing leather waste with Al₂O₃ ceramic particles. *Materials Research Express*, 6(10), 105105
5. KHANDELWAL Neelam, SHARMA Meeta, SINGH Onkar, SHUKLA Anoop Kumar
6. ,*Journal of Thermal Science* Vol.29, No.2 (2020) PP-298-322
7. Yadav, P. S., Saxena, V., Pali, H. S., Kumar, N., & Singh, S. N. (2019, July). Effect of Mast Modification in Ingress Problem in Gas Turbine of Naval Ship. In *Journal of Physics: Conference Series* (Vol. 1240, No. 1, p. 012076). IOP Publishing
8. Jain, G., Arora, A., & Gupta, S. N. (2019). Performance analysis of a transcritical N₂O refrigeration cycle with vortex tube. *International Journal of Ambient Energy*, 40(4), 350-356.
9. Rishabh Chaudhary, Srishti Singh, Vipul Saxena, "Linear Buckling Analysis of Landing Gear", *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019.
10. Singh, P., Chauhan, N.R., Rajesha, S. (2019). Influence of cobalt, iron and copper on microstructure and mechanical properties of Alumina/SiC nano-ceramic composite. *Materials Research Express*, Vol.6, DOI: 10.1088/2053-1591/ab0cd8.

Conference Publications 2019

1. Vishnoi, M., Murugan, S. S., Kumar, A. V., & Mamatha, T. G. (2020). Analysis of plastic deformation of Al6063, Magnesium AZ91C and commercially used Titanium alloys using ECAP. *Materials Today: Proceedings*, 25, 710-718.
2. Shakya, R., & Chauhan, P. (2019, November). Modelling of risk analysis in production system. In *IOP Conference Series: Materials Science and Engineering* (Vol. 691, No. 1, p. 012087). IOP Publishing.

Journal Publications 2018

1. Neelam Khandelwal, Utkarsh Tomar, Swapnil Yadav, Utkarsh Dixit, Shubham Bhatnagar. *International Journal for Scientific Research & Development* | Vol. 6, Issue 03, 2018 | ISSN

(online): 2321-0613

2. Vishnoi, M., Veerendra Kumar, A. N., & Murugan, S. S. (2018). Parameter optimisation of micro ECDM process of borosilicate glass. *Environmental and Earth Sciences Research Journal* 5 (2): 48-52.
3. Vishnoi, M., Veerendra Kumar, A. N., & Murugan, S. S. (2018). Electro chemical discharge machining and optimization of non-conducting materials. *Journal of Metallurgy and Materials Science*, 60(1), 13-20.
4. Jain, G., Arora, A., & Gupta, S. N. (2018). Exergy analysis of the transcritical N2O refrigeration cycle with a vortex tube. *International Journal of Green Energy*, 15(9), 507-516.
5. Singh, P., Chauhan, N. R., & Rajesha, S. (2019). Influence of cobalt, iron and copper on microstructure and mechanical properties of alumina/SiC nano-ceramic composite. *Materials Research Express*, 6(6), 065027
6. Saraswat S., Tulsyan D., Panda G., Sharma J., Kumar H, 2019 "Fabricating, Analyzing, and testing of Four ball lubricant testing Machine" *International Journal of Scientific Research and Development* Vol. 7, Issue 3
7. Saraswat S., Dwivedi H., Mishra M., Krishna M., Kumar K., "Design of Shock Absorber for Weapon System Using Pneumatic Circuit" *International Journal of Scientific Research and Development* Vol. 7, Issue 4, 2019.
8. Bajaj, R., Dixit, A. R., Tiwari, A. K., & Chauhan, N. K. (2021). Machining performance enhancement of EN-31 diesteel using MWCNT mixed rotary EDM. *Indian Journal of Engineering and Materials Sciences (IJEMS)*, 27(2), 309-319

Conference Publications 2018

1. Chauhan, N. K., Das, A. K., & Rajesha, S. (2018). Optimization of process parameters using grey relational analysis and taguchi method during micro-EDMing. *Materials Today: Proceedings*, 5(13), 27178-27184
2. Yadav, P. S., Saxena, V., Pali, H. S., Kumar, N., & Singh, S. N. (2019, July). Effect of Mast Modification in Ingress Problem in Gas Turbine of Naval Ship. In *Journal of Physics: Conference Series* (Vol. 1240, No. 1, p. 012076). IOP Publishing.
3. Vipul Saxena, Rohit Singh, Shyam Kishor Sharma, Shivendra Singh, Shubham Tyagi, "Effect of blade thickness on the natural frequency of H-rotor Vertical Axis Wind Turbine", *International Conference on Advances in Dynamics, Vibration and Control (ICADVC-2018)*, June 6-8, 2018. National Institute of Technology Durgapur West Bengal, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*

Journal Publications 2017

1. Chauhan, P., Kumar, S., Sharma, R.K. (2017). Investigating the influence of opportunistic behavior risk factors on offshore outsourcing. *International Journal of Business Excellence*. Vol.12, No.2, page 249-274.

2. Sharma, R. K., & Chauhan, P. (2017). Investigating risks due to the political environment as a driver for other risks in offshore outsourcing. *International Journal of Business Performance and Supply Chain Modelling*, Vol.9, No.2, 160-180.
3. Vishnoi, M., Veerendra Kumar, A. N., & Murugan, S. S. (2018). Friction welding of stainless steel-aluminium alloy and optimization of different parameters using Taguchi-L8 array method. *Journal of Mechanical and Mechanics Engineering*, 4(1), 1-10
4. Neelam Khandelwal, Utkarsh Tomar, Swapnil Yadav, Utkarsh Dixit, Shubham Bhatnagar. *International Journal for Scientific Research & Development* | Vol. 6, Issue 03, 2018 | ISSN (online): 2321-0613
5. Vishnoi, M., Muthupandi, V., & Murugan, S. S. (2017). Characterization of hydrophobic coating developed by micro arc oxidation on AA2014 alloy

Conference Publications 2017

1. Tripathi V, Sarswat S (2018) "Lean Manufacturing for Shop Floor of Automotive Industries: A Study" *Journal of Experimental & Applied Mechanics*, Volume 9, Issue 2,. (UGC Approved)

Journal Publications 2016

1. Pandey Navneet Kumar, Bajpai V K, Varun., Heat Transfer and Friction Factor Study of a Solar Air Heater Having Multiple Arcs with Gap-Shaped Roughness Element on Absorber Plate, *Arab J SciEng* Vol 41, (2016) pp. 4517–4530
2. Pandey Navneet Kumar, Bajpai V K., Thermo-hydraulic performance enhancement of solar air heater (SAH) having multiple arcs with gap shaped roughness element on absorber plate, *International Journal of Engineering, Science and Technology* Vol. 8, No. 1, 2016, pp. 34-42.
3. Pandey Navneet Kumar, Bajpai V K., Effect of number of gaps on heat transfer and friction characteristics provided in arc shaped roughness used in solar air heater using CFD, *Thermal Science*, 2016, pp. 42-51
4. Paswan, K., Ranjan, R., Hembram, S., Bajaj, R., Rai Dixit, A., Mandol, A., & Kumar Das,
5. (2016). Experimental investigation on machining performance using deionized water as dielectric in die-sinking EDM. *Indian J. Sci. Technol.*, 9, 2-6.
6. Kumar, S., Sharma, R.K., Chauhan, P. (2015). ISM Approach to Model Offshore Outsourcing Risks. *International Journal of Production Management and Engineering*, Vol.2 (2).Page 101-111.
7. Kumar, S., Sharma, R.K., Chauhan, P. (2015). Systems Engineering for Effective Supply Chain Coordination for Knowledge Process Outsourcing. *International Proceedings of Economics Development and Research (IPEDR)*, Vol 75, Page 189-195.

Journal Publications 2015

1. Pandey Navneet Kumar and Bajpai Vijay Kumar., Experimental Investigation of Heat transfer and Friction Characteristics of Arc-Shaped Roughness Elements Having Central Gaps on the Absorber Plate of Solar Air Heater, Journal of Solar Energy Engineering, 138, 2016, pp. 1-8
2. Pandey N K, Bajpai V K, Varun., Experimental investigation of heat transfer augmentation using multiple arcs with gap on absorber plate of solar air heater, Solar Energy, 134 (2016) pp. 314–326
3. Chauhan, P., Kumar, S., Sharma, R.K. (2015). Modeling Drivers of Political Risk in Offshore Outsourcing. European Journal of Business and Management, ISSN 2222-1905 (Paper) ISSN 2222-2839 (Online) Vol.7, No.9, Page 34-44.
4. Rahul, Rishabh, Harshit, Swapnil, Neelam Khandelwal & Dr. B. K. Jha ,International journal of advance research in science and engineering,2015,PP. 2134-2143
5. Neelam Khandelwal, Binit Kumar Jha, Nishtha Chaudhary & Prateek Singh ,International Journal of Advance Research in Science and Engineering, ,Vol. No. 4, 2015 ,Issue II
6. Binit Kumar Jha, Mamatha T. G. & Neelam Khandelwal,Int. Journal of Advanced Technology in Engineering and Science,Vol. No. 2 (01),2014, PP. 140-152
7. Neelam Khandelwal, Binit Kumar Jha, Raghuvendra Singh Som & Kush Mittal , International Journal of Innovative Research in Science and Engineering, Vol. No. 2 ,2016 , Issue 02
8. Neelam Khandelwal, Binit Kumar Jha, Nishtha Chaudhary, Prateek Singh & Raghuvendra Singh Som ,Advanced Technology in Engineering and Science ,Vol. No. 3, 2015,PP. 203-212
9. 10. Rahul, Rishabh, Harshit, Swapnil, Neelam Khandelwal & Dr. B. K. Jha International journal of advanced technology in engineering and science, vol 4 ,issue 1,2015,PP-2134-2143
10. Chauhan, P., Kumar, S., Sharma, R.K. (2015). Modeling Drivers of Political Risk in Offshore Outsourcing. European Journal of Business and Management, ISSN 2222-1905 (Paper) ISSN 2222-2839 (Online) Vol.7, No.9, Page 34-44.
11. Chauhan, P., Kumar, S., Sharma, R.K. (2015). Qualitative and quantitative approach to model offshore outsourcing barriers due to cultural differences. International Journal of Strategic Business Alliances. Vol. 4, Nos. 2/3, Page 184-200

Conference Publications 2015

1. Bajaj, R., Tiwari, A. K., & Dixit, A. R. (2015). Current trends in electric discharge machining using micro and nano powder materials-A Review. Materials Today: Proceedings, 2(4-5), 3302-3307.
2. Rahul, Rishabh, Harshit, Swapnil, Neelam Khandelwal & Dr. B. K. Jha, International journal of advance research in science and engineering,2015, PP. 2134-2143
3. Neelam Khandelwal, Binit Kumar Jha, Nishtha Chaudhary & Prateek Singh, International Journal of Advance Research in Science and Engineering, Vol. No. 4, 2015 ,Issue II
4. Binit Kumar Jha, Mamatha T. G. & Neelam Khandelwal,Int. Journal of Advanced Technology in Engineering and Science,Vol. No. 2 (01),2014, PP. 140-152

5. Neelam Khandelwal, Binit Kumar Jha, Raghuvendra Singh Som & Kush Mittal , International Journal of Innovative Research in Science and Engineering, Vol. No. 2 ,2016 , Issue 02
6. Neelam Khandelwal, Binit Kumar Jha, Nishtha Chaudhary, Prateek Singh & Raghuvendra Singh Som, Advanced Technology in Engineering and Science, Vol. No. 3, 2015, PP. 203-212
7. 7. Rahul, Rishabh, Harshit, Swapnil, Neelam Khandelwal & Dr. B. K. Jha International journal of advanced technology in engineering and science, vol 4 ,issue 1,2015,PP-2134-2143.