List of Publications

LIST OF PUBLICATIONS

SCI/ESCI/Scopus Index Journal

1. Sharma, R., Kumar Jha, B., & Pahuja, V. "Application of Taguchi Coupled with Genetic Algorithm (GA) for Optimizing Surface Quality in Drilling of Duplex Stainless Steel 2205". Journal of Process Mechanical Engineering. **SCI/SCIE Index Journal.** https://doi.org/10.25384/SAGE.c.6415333.v1.

2. Sharma, R., Kumar Jha, Binit., Pahuja, Vipin. "Parametric Optimization on Drilling DSS 2205 Through Multi-Objective TOPSIS Under Sustainable Machining". Nanoworld Journal. **Scopus Index Journal**. Accepted for Publication.

3. Sharma, R., Kumar Jha, Binit., Pahuja, Vipin. "Modeling of Process Parameters on DSS 2205 through RSM, ANN, Fuzzy Under Cryo-MQL Process". Journal of Physics. **Web of Science and Scopus Index Journal.** Accepted for Publication.

4. Sharma, R., Kumar Jha, B., Pahuja, V. (2021). "Impact of environmental friendly machining on machinability: A review," in Materials Today: Proceedings (Elsevier), vol. 46, pp. 10362–10367. **Scopus Index Journal.** https:// doi: 10.1016/j.matpr.2020.12.498.

5. Sharma, R., Kumar Jha, B., Pahuja, V. (2020). "A Critical Review on Machining of Titanium and Its Alloy under Cryogenic Cooling Environment," in Materials Science and Engineering, Dec. 2020, vol. 998, no. 1. **Scopus & Web of Science index Journal**. doi: 10.1088/1757-899X/998/1/012013.

6. Sharma, R., Kumar Jha, B., Pahuja, V., Sharma, S. (2022). "Evaluation of Machinability on duplex stainless steel 2205 under dry and wet condition" Materials Today Proceedings (Elsevier). **Scopus Index Journal**. https://doi.org/10.1016/j.matpr.2022.05.47.

7. Sharma, R., Kumar Jha, B., Pahuja, V., Sharma, S. (2021). "Role of environmental friendly machining on machinability," Materials Today: Proceedings (Elsevier). **Scopus Index Journal**. https://doi: 10.1016/j.matpr.2021.03.652.

8. Sharma, R., Kumar Jha, B., & Pahuja, V. (2022). Application of RSM and ANN for the prediction and optimization of the circularity error of DSS 2205 under hybrid Cryo MQL process. Journal of Xi'an Shiyou University, Natural Science Edition. Scopus Index Journal.

9. Sharma, R., Jha, B.K., & Pahuja, V. (2021). Optimization Techniques for Response Predication in Metal Cutting Operation: A Review. Lecture Notes on Multidisciplinary Industrial Engineering. Springer https://doi.org/10.1007/978-3-030-73495-4_6**. (Scopus Index)**

UGC / Web of Science / Referred Journal

1. Sharma, R., Kumar Jha, B., & Pahuja, V. (2021). A comprehensive review on evaluation of environmental friendly machinability, cutting fluids, and techniques in metal cutting operation. International Journal of Approximate Reasoning, 9, 223-235. **Publon's Web of science Indexing Journal.**Http://dx.doi.org/10.21474/IJAR01/12677.

2. Sharma, R., Jha, B.K., & Pahuja, V. (2021). "Role of Sustainable Techniques In Manufacturing Process: A Review". International Journal of Engineering Technologies and Management Research, 8(2), 41-45. **Thomson Reuters Indexing Journal.** https:// doi.org/ 10.29121 /ijetmr.v8.i 2.2021.869.

3. Sharma, R., Kumar Jha, B., & Pahuja, V. (2022). Role of environmental friendly machining: in prospect to sustainable manufacturing. In International Journal of Engineering Technology Research & Management, 6, 414-153. **Thomson Reuters Indexing Journal.**

Communicated Paper

1. A Paper Titled "Modeling and Parametric Optimization of Drilling DSS 2205 Through ANFIS and AHP-DENG'S with Sustainable Machining", is submitted to International Journal on Interactive Design and Manufacturing. (ESCI & Scopus Index Journal).

Books

1. Author Name- Rajeev Sharma, Binit Kumar Jha, Vipin Pahuja

Title**: "Set up Design and Parametric Optimization of Abrasive Flow Machining" (ISBN13: 978-6203532593).**

Publisher: Lambert.

Patent

1. Title- "AN ARTIFICIAL INTELLIGENCE AND IOT BASED SYSTEM FOR REGENERATIVE MEDICINE FOR THE TREATMENT OF LIFE-THREATENING DISEASES AND WORKING METHOD THEREOF".

   Status – Published (Application No. 20224106) by journal of patent govt. of India.

2. Title- "A hybrid nozzle for improving the machinability of difficult-to-cut material. Status – Submitted