Dr. Pallvita Yadav

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Sardar Vallabhbhai National Institute of Technology, Surat, India
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EDUCATION

Motilal Nehru National Institute of Technology Allahabad, India
Ph.D. in Mechanical Engineering (with 9.25 CPI) (2019)

Motilal Nehru National Institute of Technology Allahabad, India
M.Tech. in Production Engineering (with 8.25 CPI) (2014)

UPTU Lucknow, India
B.Tech. in Mechanical Engineering (with 74.68%) (2009)
Graduated with first division

RESEARCH INTERESTS

- Advanced Machining Processes
- Manufacturing Science

PUBLICATIONS

IN REFEREED JOURNAL ARTICLES

[1] **Pallvita Yadav**, Vinod Yadava and Audhesh Narayan, "Experimental investigation of kerf characteristics through wire electrochemical spark cutting of alumina epoxy nanocomposite" ***Journal of Mechanical Science and Technology***, vol. 32(1) (2018) 345-350. https://doi.org/10.1007/s12206-017-1234-6 (*Springer IF- 1.194*)

[2] **Pallvita Yadav**, Vinod Yadava and Audhesh Narayan, "Experimental Investigation for Performance study of Wire Electrochemical Spark Cutting of Silica Epoxy Nanocomposites" ***Silicon*** (2019). https://doi.org/10.1007/s12633-019-00197-3 (*Springer IF- 1.246*)

IN REFEREED CONFERENCES

[1] **Pallvita Yadav**, Vinod Yadava and Audhesh Narayan, "Experimental Investigation of Kerf width of Alumina Epoxy Nanocomposite using Wire Electrochemical Spark Cutting Process" 4th International Conference on Production and Industrial Engineering at NIT Jalandhar, 19-21 December 2016, India.

[2] **Pallvita Yadav** and Vinod Yadava, "Finite Element Prediction of Temperature distribution and Thermal stress Distribution in the Workpiece during Laser Beam Bending of Thin Sheet of Brittle Material" International Conference on Application of Lasers in Manufacturing, new Delhi, 09-11 September 2015, India.

JOURNAL ARTICLES IN REVIEW

[1] **Pallvita Yadav**, Vinod Yadava and Audhesh Narayan, "Experimental investigation of machining characteristics of alumina epoxy nanocomposite due to wire electrochemical spark cutting", Under review manuscript submitted to **Advances in Manufacturing.**

WORKSHOPS/SEMINAR

[1] Participated A Short term course on 'Micromanufacturing; Materials, processes and Systems at MNNIT Allahabad, 08-12 july 2013.

[2] Participated A Short term course on 'Micromanufacturing; Materials, processes and Systems at MNNIT Allahabad, 17-21 june 2014.

[3] Participated in TEQIP-II sponsored one week short term course on ‘laser and its applications’ at MNNIT Allahabad, 27-31 march 2017.

AWARDS / ACADEMIC ACHIEVEMENTS

- **Gold medal** for standing first in order of merit in M.Tech. 2014.
- Scored **9.25 cgpa** during course work in Ph.D. First Semester

LANGUAGES

- English: Fluent.
- Hindi: Native language

SKILLS

- Software: AUTOCAD, CATIA, ANSYS, Minitab, Optimization Techniques
- Experimental: Optical Microscope, Surface Roughness Tester, ECSM