

## **Publications:**

### **Journal**

- **kumar Pandey, A.,** Gautam, R. K., & Behera, C. K. (2022). Microstructure, mechanical strength, chemical resistance, and antibacterial behaviour of Ti-5Cu-x% Nb biomedical alloy. Biomedical Materials. DOI 10.1088/1748-605X/ac7763
- **Pandey, A. K.,** Gautam, R. K., & Behera, C. K. (2023). Corrosion and wear behavior of Ti-5Cu-xNb biomedical alloy in simulated body fluid for dental implant applications. Journal of the Mechanical Behavior of Biomedical Materials, 137, 105533.
- **Pandey, A. K.,** Kumar, A., Kumar, R., Gautam, R. K., & Behera, C. K. (2023). Tribological performance of SS 316L, commercially pure Titanium, and Ti6Al4V in different solutions for biomedical applications. Materials Today: Proceedings, 78, A1-A8.
- Srivastav, C. K., Anuraag, N. S., **Pandey, A. K.,** Prasad, N. K., & Khan, D. (2023). Design, preparation and study of microstructure, phase evolution and thermal stability of Ti-Co0. 35-Cr0. 35-Nb-Zr nanocrystalline HEA for biomedical applications. Materials Today Communications, 35, 105557.

### **Workshops/Conferences**

- Attended the “Nano Mechanics and Bio Tribology” Workshop Conducted by The Advance Centre for Material Science During Sep. 15-16, 2019, at the Indian Institute of Technology Kanpur.
- Attended National Conference On “Innovation in Materials, Design and Manufacturing” (Sponsored by TEQUIP 2, World Bank) Organised by Department of Mechanical Engineering Harcourt Butler Technological University, Kanpur

- Presented oral paper at an international conference on Advanced Functional Materials: Future Perspective (AFMFP-2022) under the theme Material for healthcare organized jointly by Dr. B. R. Ambedkar National Institute of Technology Jalandhar, (India), Defence Institute of advance technology (India), and University de Bejaia (Algeria) during August 06-08, 2022.
- Presented oral paper presentation in INDIA-TRIB 2022, jointly organized by the TRIBOLOGY SOCIETY OF INDIA and INDIAN INSTITUTE OF TECHNOLOGY DELHI from 12-14 DECEMBER 2022 at EROS HOTEL Nehru Place Delhi.

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