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## List of Publications

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1. **P. Kumar**, G.S. Mahobia, S. Mandal, V. Singh, K. Chattopadhyay, Enhanced corrosion resistance of the surface modified Ti-13Nb-13Zr alloy by ultrasonic shot peening, *Corrosion Science*. vol. 189 (2021) pp. 109597.
2. **P. Kumar**, G.S. Mahobia, V. Singh, K. Chattopadhyay, Lowering of elastic modulus in the near-beta Ti-13Nb-13Zr alloy through heat treatment, *Materials Science and Technology*. vol. 36 (2020) pp. 717-725.
3. **P. Kumar**, G.S. Mahobia, V. Singh, K. Chattopadhyay, LCF life improvement of biomedical Ti-13Nb-13Zr alloy through surface nanostructuring, *Materials Research Express*. vol. 6 (2019) pp. 125413.
4. **P. Kumar**, G.S. Mahobia, K. Chattopadhyay, Enhancement in Fatigue Life of Ti-13Nb-13Zr Alloy through Ultrasonic Shot Peening, *Key Engineering Materials*. vol. 813 (2019) pp. 122-128.
5. **P. Kumar**, G.S. Mahobia, K. Chattopadhyay, Surface nanocrystallization of  $\beta$ -titanium alloy by ultrasonic shot peening, *Materials Today: Proceedings*. vol. 28 (2020) pp. 486-490.

## International Conferences

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1. Presented poster at International Conference on Materials Engineering (ICME-2017) during 2-4 June, 2017 organised by IIM Varanasi Chapter in organization with IIT, Kanpur.
2. Presented paper at International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2019) during 20-22 November 2019, in BITS PILANI Dubai Campus, Dubai, UAE.
3. Presented poster at 12th Asia-Pacific Microscopy Conference (APMC-2020) during 3-7 Feb 2020, in HICC, Hyderabad, India.