
List of Publications

1. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of surface nanostructuring on corrosion behavior of Ti-6Al-4V alloy, **Materials Characterization** 121 (2016) 23-30.
2. **Sanjeev Kumar**, K. Chattopadhyay, G. S. Mahobia, Vakil Singh, Hot corrosion behaviour of Ti-6Al-4V modified by ultrasonic shot peening, **Materials and Design** 110 (2016) 196-206.
3. **Sanjeev Kumar**, K. Chattopadhyay, S R Singh, Vakil Singh, Surface nanostructuring of Ti-6Al-4V alloy by ultrasonic shot peening, **International Journal of Surface Science and Engineering** (2016) (in press).
4. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of ultrasonic shot peening on LCF behavior of Ti-6Al-4V alloy, Under review in **International Journal of Fatigue**.
5. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of Surface Nanostructure on Tensile and LCF Behavior of Ti-6Al-4V alloy (to be communicated).

International Conference Proceedings

1. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of surface nanostructure on LCF behavior of Ti-6Al-4V alloy, **Proceeding of 7th International Conference on Creep, Fatigue and Creep-Fatigue Interaction**, 19-22 January 2016, IGCAR, Kalpakkam, India.
2. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Tensile Deformation Behavior of Ti-6Al-4V alloy at Elevated Temperatures, **Proceeding of the International Conference Multifunctional Materials, Structures and Applications**, ISBN (13) 9789339220198, 22-24 December, 2014, MNNIT Allahabad, INDIA.

International/National Conference Papers and Presentations

1. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of surface mechanical attrition treatment (SMAT) on LCF behavior of Ti-6Al-4V alloy, **54th National Metallurgy Day & 70th Annual Technical Meeting**, November 11-14, 2016, Indian Institute of Kanpur (U.P.).
2. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, TEM study of nanostructured Ti-6Al-4V alloy tested in low cycle fatigue, **Electron Microscopy Society of India**, June 2-4, 2016 Department of Metallurgical Engineering, IIT (BHU), Varanasi (U.P.).

3. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of surface nanostructuring on corrosion behavior of Ti-6Al-4V alloy, **Institute Day**, April 2-3, 2016, Department of Metallurgical Engineering, IIT (BHU), Varanasi (U.P.).
4. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of surface nanostructure on LCF behavior of Ti-6Al-4V alloy, **7th International Conference on Creep, Fatigue and Creep-Fatigue Interaction**, 19-22 January 2016, IGCAR, Kalpakkam, India.
5. **Sanjeev Kumar**, K. Chattopadhyay, G.S. Mahobia and Vakil Singh, Effect of surface nanostructure on salt induced corrosion of alloy Ti-6Al-4V from 400–600°C, **4th Nano Today (organized by Elsevier), Dubai** 6-10 December 2015.
6. **Sanjeev Kumar**, K. Chattopadhyay and V. Singh, Effect of ultrasonic shot peening on the corrosion behavior of Ti-6Al-4V, **53th National Metallurgy Day & 69th Annual Technical Meeting**, Nov 12-15, 2015, Coimbatore.
7. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, An investigation of low cycle fatigue failure of nanostructure Ti-6Al-4V alloy, **Institute Day**, April 2-3, 2015, Department of Metallurgical Engineering, IIT (BHU), Varanasi (U.P.).
8. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Tensile Deformation Behavior of Ti-6Al-V alloy at Elevated Temperatures, **International Conference Multifunctional Materials, Structures and Applications**, 22-24 December, 2014, MNNIT Allahabad, INDIA.
9. **Sanjeev Kumar**, K. Chattopadhyay, Vakil Singh, Effect of Ultrasonic Shot Peening on Microstructure and Low Cycle Fatigue Behavior of Ti-6Al-4V alloy, **52th National Metallurgy Day & 68th Annual Technical Meeting**, Nov 12-15, 2014, Pune Engineering College Pune.

Conference cum Workshop attained

1. Preconference workshop on **Basics of Electron Back Scattered Diffraction, Electron Energy Loss Spectroscopy and Electron Diffraction in Materials Science**, **30th May-1st June, 2016**, Department of Metallurgical Engineering, IIT (BHU) Varanasi, India.
2. Three Day National Workshop on **Fatigue, Fracture and Life Extension, 2014**, Defence Metallurgical Research Laboratory and Regional Centre for Military Airworthiness (Materials), DRDO, Ministry of Defence, Govt. of India, Hyderabad, India.
3. **Conference-Cum-Workshop on Electron Microscopy**, 2012, Department of Metallurgical Engineering, IIT (BHU), Varanasi.

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