

LIST OF PUBLICATIONS

Journals

1. Yogesh Chandra Sharma, Ravindra Kumar, Vajja Vidyasagar and Dheeraj Bhardwaj, Low temperature plasma ion nitriding (PIN) of Inconel 690 alloy, Mater. Res. Express 6, 026559, (2018). <https://doi.org/10.1088/2053-1591/aaf1f3>.
2. Ravindra Kumar, Dheeraj Bhardwaj and Y. C. Sharma, A Review on Plasma Ion Nitriding (PIN) Process. Journal on Material Science, 6 (1), 31-44, (2018).
3. Ravindra Kumar, Dheeraj Bhardwaj and Yogesh Chandra Sharma, Characterization Techniques for Plasma Ion Nitrided Alloys. Khoj-An Interdisciplinary Journal of Research, 4(2), 47-53, (2018).
4. Ravindra Kumar, A. K. Srivastava and S. Konar, Evaluation of Surface Properties of Various Plasma Nitrided Low Alloy Steels. Advanced Science Letters, 22, 3919–3923, (2016).
5. Ravindra Kumar, J. Alphonsa, Ram Prakash, K. S. Boob, J. Ghanshyam, P. A. Rayjada, P. M. Raole, and S. Mukherjee, Plasma nitriding of AISI 52100 ball-bearing steel and effect of heat-treatment on nitrided layer. Bulletin of Material Science, 34 (1), 153-159, (2011).
6. Ravindra Kumar, Y. C. Sharma, Vajja Vidyasagar and Dheeraj Bhardwaj, Wear Behavior of Plasma Nitrided Inconel 690 Alloy, Accepted for publication in the conference proceeding of American Institute of Physics (AIP).
7. Ravindra Kumar, Y. C. Sharma, Vajja Vidyasagar and Dheeraj Bhardwaj, Characterization of Low Temperature Plasma Ion Nitriding (PIN) of Inconel 600 and 601 Alloys, Under review in Iranian Journal of Materials Science and Engineering.

8. Yogesh Chandra Sharma and Ravindra Kumar, Study of Micro-Structure and Wear Properties of Low Temperature Nitriding of Inconel 600 Alloy, Submitted to Journal on Material Science for publication.

9. Yogesh Chandra Sharma and Ravindra Kumar, Study of Moderate Temperature Plasma Nitriding of Inconel 601 Alloy, Submitted to Journal on Material Science for publication.

Conference /Seminars

1. Ravindra Kumar, Y. C. Sharma, Vajja Vidyasagar and Dheeraj Bhardwaj, Wear Behavior of Plasma Nitrided Inconel 690 Alloy, in the 63rd DAE Symposium on Solid State Physics, Guru Jambheshwar University Hissar, Hariyana, during 18-22 December 2018.

2. Ravindra Kumar, Y. C. Sharma, Vajja Vidyasagar and Dheeraj Bhardwaj, Surface Properties of Plasma Nitrided Inconel 600 Alloy, in the International Conference on Materials for Energy Application, Subodh PG College, Jaipur, during 06-08 December 2018.

3. Ravindra Kumar, Y. C. Sharma, Vajja Vidyasagar and Dheeraj Bhardwaj Characterization of Pulsed Plasma Ion Nitrided Inconel Alloy, in the International Conference on Materials for Energy Application, Subodh PG College, Jaipur, during 06-08 December 2018.

4. Ravindra Kumar, A. K. Srivastava and S. Konar “Evaluation of Surface Properties of Various Plasma Nitrided Low Alloy Steels” in the National Conference on Theoretical Physics, Malviya National Institute of Technology (MNIT), Jaipur, during 14-16 December 2015.

5. Ravindra Kumar, Ram Prakash and S. Konar, Plasma Nitriding System for Surface Engineering of Industrial Components, in the National Conference of Vacuum

Electronics Device Application (VEDA)-2012, Central Electronics Engineering Research Institute (CEERI-Pilani) during 21st – 24th September 2012.

6. Ravindra Kumar, J. Alphonsa, Ram Prakash, Jalaj Jain, P. A. Rayjada, P. M. Raole, and S. Mukherjee, Impact of Forging Conditions on Plasma Nitrided Hot-forging Dies and Punches, in National Conference cum Workshop on Recent Development in Engineering Materials Organized by Birla Institute of Technology, Ranchi during 12th - 14th May, 2011.

7. Ravindra Kumar, J. Alphonsa, Ram Prakash, Jalaj Jain, P. A. Rayjada, P. M. Raole, and S. Mukherjee, Study the Performance of Plasma Nitrided Hot-Forging Dies and Punch in Service Conditions, in 24th National Symposium “Plasma-09”, National Institute of Technology (NIT), Hamirpur, Himachal Pradesh, during 08th -11th December, 2009.

8. Ravindra Kumar, J. Alphonsa, Ram Prakash, K. S. Boob, J. Ghanshyam, P. A. Rayjada, P. M. Raole, and S. Mukherjee, Plasma Nitriding of AISI 52100 Ball-bearing Steel and Effect of the Heat-treatment on the Nitrided Layer” in Joint ICTP/IAEA Workshop on Effects of Mechanical Properties and Mechanisms Governing the Irradiation induced Embrittlement of Pressure Vessel Steels, Trieste, Italy during 23-27 November 2009.