

Department of Mechanical Engineering

Dr. Partap Singh Samra

Research Publications

Research papers In International Journals: (7)

- Palwinder Singh, Partap Singh, Lakhvir Singh “Internal Finishing of Cylindrical Pipes using Sintered Magnetic Abrasives” in International Journal of Engineering Science and Technology, Vol. 3 No.7 2011, page 5748-5753.
- Partap Singh, Lakhvir Singh, “Analyzing Effect of interactions of Process Parameters on Surface Finish of SUS304 Steel Roller Using RSM Technique” Asian Journal of Engineering and Applied Technology, Vol. 1 No. 2, 2012, page 31-35.
- Partap Singh, “Effect of Different Process Parameters on the Performance of MAF” International Journal of Emerging Research in Management &Technology, Vol. 3, No. 12, 2014, page 34-39.
- Partap Singh Samra, Sehijpal Singh, Lakhvir Singh, “Study of Ultra-precision Finishing Techniques for Brittle Materials” International Journal of Emerging Research in Management &Technology, Vol. 6, No. 6, 2017, page 197-207. No. in UGC list 48976.
- Partap Singh Samra, Sehijpal Singh, Lakhvir Singh, “Parametric Optimization of Ball Polishing Process”, International Journal of Engineering Science and Technology, Vol. 9 No.07, 2017, page 796-803, No.in UGC list 2977.
- Partap Singh Samra, Sehijpal Singh, Lakhvir Singh, “Development of Magnetically Assisted Lapping Process for Nano-Finishing of Alumina Balls”, Machining Science and Technology, Vol. 23 No. 1, 2018, ISSN: 1091-0344 (Print) 1532-2483 (Online), DOI: 10.1080/10910344.2018.1486416.
- Naveen Chaubey, Partap Singh Samra, “Optimization of Rotary EDM Process Parameters for Machining of Monel 400 Alloy”, A Journal of Composition Theory, Vol. 12, No. 7, 2019, Page 565-570.

Research papers in International Conferences :(3)

- Partap Singh, Lakhvir Singh, “Analyzing Effect of interactions of Process Parameters on Surface Finish of SUS304 Steel Roller Using RSM Technique” in International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering held at PTU 5th to 7th Oct. 2012.
- Partap Singh, Lakhvir Singh, “Nano finishing of Steel Rollers (SUS304) using Diamond Based Loosely Bonded Magnetic Abrasives” in International Conference on Research and Innovations in Mechanical Engineering held at Guru Nanak Dev Engg. College, Ludhiana, 24th to 26th October 2013.
- Naveen Chaubey, Partap Singh Samra, “Optimization of Rotary EDM Process Parameters for Machining of Monel 400 Alloy”, in International Contemporary Advancements in Mechanical Engineering held at Chandigarh Engineering College, Landran, Mohali, 26th – 27th July, 2019.

Research papers in National Conferences :(5)

- Gurmeet Singh, Partap Singh “Effect of welding parameters of titanium alloy (ASTM gr-4) by using TIG welding” in National level conference held at BGIET Sangrur on 14th & 15th March 2008.
- Partap Singh, Palwinder Singh “Electric Discharge Machining- A Critical Review” in National level conference held at BGIET Sangrur on 26th & 27th March 2009.
- Partap Singh, Palwinder Singh, Lakhvir Singh “Experimental investigations of abrasive behavior during a magnetic abrasive finishing process” in National level conference held at BBSBEC Fatehgarh Sahib (AME 2010) on 26th & 27th February 2010.
- Palwinder Singh, Partap Singh, Lakhvir Singh “Design and Fabrication of Annealing set up in controlled atmosphere” in National level conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME’10) held at YCoE, Talwandi Sabo on 19th & 20th February 2010.
- Devinder Singh, Palwinder Singh, Partap Singh, “Optimizing surface finish in a turning operation employing Taguchi Parameter Design Method” in National level conference IDEA 10 held at BGIET Sangrur, 21st & 22nd January, 2010.