

Department of Mechanical Engineering

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Research Publications

Papers published in National/International Journals

- Reliability, Availability and Machinability Study of high Precision Special Purpose Manufacturing Machines Journal of Scientific and Industrial Research., June 2004, pp 512—517.
- Organizational excellence Through Total Quality Management, Punjab Journal of Business studies. Oct-March 2008-2009.
- Tube Making in Hard-to-Work Materials, Journal of Engineering & Technology Education. Jan-June 2009
- Study of the Process of Tube Making in Hard-To-Work Materials. Indian Journal of Engineering Science & Technology July-Dec 2009
- Ductility Improvement of Hard-To-Work Materials, Journal of Manufacturing Engineering. March 2010.
- Power and Forces in the making of long Tubes with different Materials, IUP Journal of Mechanical Engineering August 2010.
- Role and Relevance of regulatory bodies in quality assurance of Technical Education in India. Global Journal of Mechanical Engineering and computational science, Vol. 2, 2012
- Advances in composite Material and their applications in Engineering and Technology Global Research Analysis Vol.1 Nov. 2012
- Supply Chain Management Introduction, Philosophy and Global Perspective: Indian Journal of Applied Research
- Higher Education India: An appraisal Indian Journal of Research Vol. 1 April 2012
- HRD climate in Private Manufacturing sector: An Appraisal Indian Journal of Applied Research Vol. 1, Jan. 2012
- Developing soft Skills for Enhancing Employability of Engineering Graduates International Journal of Engineering and Management Research Vol.2, Issue-5, Oct. 2012
- The Role of ICT in Improving the Accessibility and quality of Higher Education for the 21st century International Journal of Development Studies and Research, July-Sept. 2012
- TQM An Emerging Necessity for small Scale Industry Sector Global Research Analysis Vol.2 issue 1 Jan. 2013
- Technology Development Verses Environment Challenges: A critical study Indian Journal of Scholarly Research Vol. 2, Jan. 2013
- Technology management at the enterprise level in the manufacturing sector. Global Journal of Mechanical Engineering and computational science, Vol. 3, 2013
- Perception of Engineering Students towards Entrepreneurship Indian Journal of Scholarly Research. May 2013

- A Review on Lean Manufacturing: A feasible Solution to Industrial Objectives. International Journal of Engineering and Management Research. April 2013.
- E-Governance: Redefining Citizenship International Journal of Engineering and Management Research. Vol.3, Issue 3, June 2013
- Effect of Float Design On the performance of Rotameter using Computational Fluid Mechanics International Journal of Engineering and Management Research. Vol.3, Issue 6, Dec .2013
- Review of Manufacturing Sector Under Small Scale enterprises International Journal of Engineering and Management Research. 4, Issue 4, August 2014.
- An Approach to enhance Availability of repairable systems: A Case Study of SPMS International Journal of Quality and Reliability Management Vol.31, Issue 9
- Impact of Total Productive Maintenance Practised in the Small and Medium Scale Industries, International Journal of Advanced Research in Engineering Technology & The Sciences, Dec 2015 Vol2, Issue 12
- Experimental investigation on Fatigue and Impact Strength of MONEL 400 to AISI 304 joints by TIG Welding IOSR Journal of Engineering, Aug.2017, vol07, Issue8 pp 01-08
- Multi Response Optimization TIG Welding parameters for dissimilar weld of MONEL 400 and AISI 304 using RSM International Organization of Scientific Research 14, Issue4, pp86-93
- Statistical Analysis of Utility Unplanned Power Outages & its Influence on Hosiery Industry of Punjab, India- A Case Study. International Journal of Computational Engineering Research (IJCER), September, 2018
- Customized hydroxyapatites for bone-tissue engineering and drug delivery applications: a review Journal of Sol-Gel Science and Technology, January 2020
- Biogenic synthesis of silver nanoparticles and its photocatalytic applications for removal of organic pollutants in water, Journal of Industrial and Engineering Chemistry, December 2019
- Fructose modified synthesis of ZnO nanoparticles and its application for removal of industrial pollutants from water, Journal of Materials Science: Materials in Electronics, February 2018

Books published as single author/co-author

- Machine Design: Textbook Dhanat Rai & Co., New Delhi.
- A computer-aided approach for gating system design for multi-cavity dies Reference Book Grin Publishing.