

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

(An Autonomous College u/s 2 (f) and 12 (B) of UGC Act

1956) **DEPARTMENT OF PRODUCTION****ENGINEERING****INTERNATIONAL CONFERENCES ATTENDED BY FACULTY**

S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
1	Machining characteristics optimization using Taguchi technique in ultrasonic drilling of titanium alloys.	J.S Grewal Rupinder Singh, J.S. Khamba, and	International Conference on Emerging Technique Technologies and Control (EISCO 2005), Coimbatore.	Jan 5-7 2005
2	An innovation in manufacturing – detonation gun sprayed wear resistant coatings.	J.S Grewal Rakesh Goyal, Buta Singh Sidhu and	International Conference on Engineering Innovations: A Fillip to Economic Development, at Continental Group of Institutes	Feb. 18-20 2010
3	Effect of filler wire composition on joining properties of GTAW stainless steel 202,	J.S Grewal	International Conference on Research and Innovations in Mechanical Engineering, pp. 191-200.	2013
4	Mechanical and microstructural properties of nano-structured and conventional TiAlN coatings deposited on AISI-316 boiler steel.	J.S Grewal	International Conference on Research and Innovations in Mechanical Engineering.	2013
5	Comparison of machining characteristics of titanium: Effect of cryogenic treatment in electric discharge machining	Rupinder Singh Bhupinder Singh,	Proceedings of 3 rd International Conference on Advances in Mechanical Engineering, (ICAME-2010), Sardar Vallabhbai National Institute of Technology, Surat, India,	Jan. 4-6, 2010
6	Enhancement of tool material machining characteristics with cryogenic treatment: A review	Rupinder Singh, Kamaljit Singh	Proceedings of the 2010 International Conference on Industrial Engineering and Operations Management, Dhaka, Bangladesh. ISBN No. 978-984-33-0988-4	Jan 9 – 10, 2010
7	Effect of cryogenic treatment for machining cost reduction: A case study.	Rupinder Singh, Kamaljit Singh	Proceedings of 18 th Annual International Conference on Mechanical Engineering, Sharif university of technology, Tehran, Iran,	May 11-13, 2010
8	Effect of work piece volume on statistically controlled rapid casting solution of aluminum alloys using three dimensional printing.	Rupinder Singh, Rajinder Singh	Proceedings of 36 th International MATADOR Conference Manchester, UK.	July 14-16 th 2010
9	Process capability study of polyjet printing for plastic moulding	Rupinder Singh, Varinderjit Singh	Proceedings of 4 th International Conference on Advances in Mechanical Engineering, (ICAME-2010), SVNIT, Surat, India.	Sep.23 -25, 2010

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
10	Application of cryogenic treatment in process industry for tooling cost reduction	Rupinder Singh, Kamaljit Singh	Proceedings of 4 th International Conference on Advances in Mechanical Engineering, (ICAME-2010), SVNIT, Surat, India.	Sep.23-25, 2010
11	Experimental investigations for statistically controlled rapid moulding solution of plastics using polyjet printing.	Rupinder Singh, Varinderjit Singh, M.S. Saini	Proceedings of ASME International Mechanical Engineering Congress & Exposition, Vancouver, British Columbia, Canada	Nov 12-18, 2010.
12	Effect of shell volume on wall thickness reduction in rapid casting of brass alloy using three dimensional printing	Rupinder Singh	Proceedings of 2nd International Conference on Production and Industrial Engineering (CPIE-2010), NIT Jalandhar (ISBN 978-81-920453-0-6)	Dec. 3-5, 2010
13	Research Developments in Powder Mixed Dielectric Electric Discharge Machining (PMEDM): A review.	Rupinder Singh Sanjeev Kumar, Ajay Batish, , T.P. Singh	Proceedings of 2nd International Conference on Production and Industrial Engineering (CPIE-2010), NIT Jalandhar (ISBN 978-81-920453-0-6)	Dec. 3-5, 2010
14	Experimental investigations for statistically controlled silicon moulding solution of plastic components	Rupinder Singh, Balpreet Singh	Poster presentations of 3rd International & 24th AIMTDR Conference, Visakhapatnam, India.	Dec. 13-15, 2010
15	Application of reliability centered maintenance for boiler and accessories in a thermal power plant.	Rupinder Singh N.S.Bhangu, G. L.Pahuja,	Proceedings of International Conference on power systems operations & control (ICOP'S10), Guru Nanak Dev Engineering College, Ludhiana. (ISSN: 0974-3588)	Dec 20-22, 2010
16	Effect of cryogenic treatment on wear characteristics of carbide inserts in CNC machining.	Rupinder Singh, Kamaljit Singh	Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETME 2010), Thapar University, Patiala.	Feb 24-26, 2011
17	Comparison of hybrid rapid mouldings for zinc alloy castings.	Rupinder Singh	Proceedings of 2nd International Conference on Mechanical, Industrial, and Manufacturing Technologies (MIMT), Singapore Convention Center Singapore, Vol. 1 IEEE Catalog No. CFP1123M-PRT ISBN: 978-1-4244-9264-0	Feb 26-28, 2011

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
18	Failure mode and effect analysis of a thermal power plant for enhancing its reliability	Rupinder Singh N.S.Bhangu, G. L.Pahuja	Proceedings of 2nd International Conference on Mechanical, Industrial, and Manufacturing Technologies (MIMT), Singapore Convention Center Singapore, Vol. 2 IEEE Catalog No. CFP1123M-PRT ISBN: 978-1-4244-9264-0	Feb 26-28, 2011
19	Process capability study of hybrid investment casting	Rupinder Singh	Proceedings of 37 th International MATADOR Conference Manchester, UK.	25-27, July 2012
20	Investigations for statistically controlled machining solution of titanium alloys using USM	Rupinder Singh J.S.Khambha,	Proceedings of International conference on Manufacturing Engineering and Technology for Manufacturing Growth, San Diego, CA, USA,	Nov 1-2, 2012
21	Modeling of surface hardness in vacuum moulding of Al-Al ₂ O ₃ MMC	Rupinder Singh	Proceedings of 4 th International and 25 th AIMTDR Conference, 2012, Jadavpur University, Kolkata.	Dec. 14-16, 2012
22	Surface hardness modeling of plastic components in silicon moulding process	Rupinder Singh	Proceedings of 3 rd International Conference on Production and Industrial Engineering (CPIE-2013), NIT, Jalandhar.	March 29-31, 2013
23	Experimental investigations for statistically controlled rapid moulding solutions of plastics using SLS	Rupinder Singh, Jagdeep Singh	Proceedings of 3 rd International Conference on Production and Industrial Engineering (CPIE-2013), NIT, Jalandhar.	March 29-31, 2013
24	Investigating reliability improvement of super heaters pre and post RCM implementation in thermal power plant	Rupinder Singh N.S.Bhangu G.L.Pahuja	Proceedings of 3 rd International Conference on Production and Industrial Engineering (CPIE-2013), NIT, Jalandhar.	March 29-31, 2013
25	Experimental investigations for statistically controlled vacuum moulding solutions of Al-SiC MMC	Rupinder Singh Kamaljit Singh	Proceedings of 2 nd International Conference on Manufacturing Engineering and Process (ICMEP 2013) Vancouver, Canada.	April 13-14, 2013
26	Machinability Index Evaluation: A Case Study of Carbide Inserts	Rupinder Singh A. Singh, , H. Singh	Proceedings of 2 nd International Conference on Manufacturing Engineering and Process (ICMEP 2013) Vancouver, Canada.	April 13-14, 2013

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
27	Mathematical modeling of sensitization in GTAW of 304 SS	Rupinder Singh	Proceedings of International Conference on Sustainable Manufacturing and Operations Management ISOM-2013, Mauritius	June 26-28, 2013
28	Application of FMEA for Reducing Downtime in a Thermal Power Plant: A Case Study	Rupinder Singh N.S.Bhangu, G.L.Pahuja	Proceedings of International Conference on Sustainable Manufacturing and Operations Management ISOM-2013, Mauritius	June 26-28, 2013
29	Experimental investigations for use of ABS replicas in investment casting applications	Rupinder Singh, Munish K Gupta	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	October 3-6, 2013
30	Process capability analysis of MMC prepared by combining FDM, vacuum moulding and stir casting	Rupinder Singh, Sardar Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	October 3-6, 2013
31	A framework for developing a hybrid investment casting process	Rupinder Singh Parlad Kumar, , IPS Ahuja	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	October 3-6, 2013
32	Framework for development of new metal/polymer materials for rapid tooling using fused deposition modeling	Rupinder Singh Harish K.Garg,	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	October 3-6, 2013
33	Development of bio-medical implant (hip joint) by combining fused deposition modeling and investment casting	Rupinder Singh, S. Singh, P. Kapoor	Proceedings of International Conference on Research and Innovations in Mechanical Engineering, GNDEC, Ludhiana Published as Lecture Notes in Mechanical Engineering, 2014, (Springer publication)	Oct. 24-26, 2013
34	Process capability analysis for replication of FDM based patterns by vacuum moulding in biomedical applications	Rupinder Singh, Gurinder Singh	Proceedings of International Conference on Smart Technologies for Mechanical Engineering (STME-2013), Delhi Technological University, Delhi	October 26-27, 2013
35	Effect of double and triple particle size Al ₂ O ₃ reinforcement on properties of AMC prepared by vacuum moulding	Rupinder Singh, Kanwalpreet Sahni	Proceedings of International Conference on Smart Technologies for Mechanical Engineering (STME-2013), Delhi Technological University, Delhi	October 26-27, 2013

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
36	Development of MMC by combining stir casting and ABS replica based investment casting	Rupinder Singh S. Kumar, Ranvir Singh	Proceedings of International Conference on Smart Technologies for Mechanical Engineering(STME-2013), Delhi Technological University, Delhi	Oct 26-27 2013
37	Investigations for dimensional accuracy of investment casting process after cycle time reduction by advancements in shell moulding	Rupinder Singh, S.Singh, V. Mahajan	Procedia Materials Science (Elsevier) 6 (2014) as Proceedings of 3 rd International conference on Materials processing and characterization, Griet, Hyderabad, India	8-9 March 2014
38	Dimensional accuracy comparison of investment castings prepared with wax and ABS patterns for bio-medical application	Rupinder Singh, S. Singh, G. Singh	Procedia Materials Science (Elsevier) 6 (2014) as Proceedings of 3 rd International conference on Materials processing and characterization, Griet, Hyderabad, India	8-9 March 2014
39	Process capability analysis for resistance spot welding solution of stainless steel joints	Rupinder Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
40	Investigations for statistically controlled TIG welding solution of 304 SS	Rupinder Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
41	Development of Aluminium Matrix Composite using hybrid FDM pattern for investment casting applications	Rupinder Singh Sunpreet Singh,	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
42	Investigation for surface quality improvement of barrel finished FDM pattern based vacuum moulding	Rupinder Singh, Manjinder Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
43	Experimental Investigation on Weight of Barrel Finished FDM Patterns	Rupinder Singh, Alok Trivedi	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
44	A Framework for feedstock filament development in FDM process	Rupinder Singh K. Singh Boparai, , H. Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar.	Oct 16 th - 18 th 2014

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
45	Some investigations on surface quality of aluminium matrix composite developed using modified FDM pattern based rapid investment casting	Rupinder Singh, J. Singh, Sunpreet Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
46	Experimental Investigations for Surface Hardness of SiC-Al ₂ O ₃ Reinforced AMC Prepared by Combining Vacuum Moulding and Stir Casting	Rupinder Singh, Debashis Podder	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
47	Experimental investigations for dimensional accuracy of Al-SiC composites prepared by vacuum moulding assisted stir casting using plastic pattern	Rupinder Singh, Gagandeep Singh	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
48	Some investigations on Fe-Nylon 6 based hybrid FDM filament	Rupinder Singh, Harish K Garg	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	Oct 16 th - 18 th 2014
49	Effect of double and triple particle size Al ₂ O ₃ reinforcement on properties of aluminium matrix composite prepared by vacuum moulding	Rupinder Singh, Sunpreet Singh, Kanwalpreet Sahni	Proceedings of 5 th International and 26 th AIMTDR 2014, Dept. of Mechanical Engineering, IIT Guwahati ISBN: 978-8-19274-612-8	Dec. 12-14, 2014
50	Investigating for mechanical properties of metal matrix composite prepared by combining FDM, vacuum moulding and stir casting	Rupinder Singh, Sunpreet Singh, Sardar Singh	Proceedings of 5 th International and 26 th AIMTDR 2014, Dept. of Mechanical Engineering, IIT Guwahati ISBN: 978-8-19274-612-8	Dec. 12-14, 2014,
51	Experimental investigations for statistically controlled solution of FDM assisted Nylon6-Al-Al ₂ O ₃ replica based investment casting	Rupinder Singh, Sunpreet Singh	Materials Today: Proceedings of 4th International Conference on Materials Processing and Characterization, Griet, Hyderabad, India	2015
52	Energy Audit of Electrical Energy in an Educational Institute	Jagdeep Singh and Sulkhan Singh Gill	International conference on Advanced Computing and Communication Technologies (ICACCT-2013)	16th Nov. 2013
53	Implementation status of SPC in auto parts Industry: A survey	Jagdeep Singh, Deepinder Singh	International conference on Research and Innovations in Mechanical Engineering(ICRIME-2013)	24th - 26th Oct .2013

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
54	Application of Value Engineering on Chassis component for HCV- A case study	Jagdeep Singh, Ishpreet Singh and Prem Singh	International conference on Research and Innovations in Mechanical Engineering(ICRIME-2013)	24th - 26th Oct. 2013
55	Performance evaluation of micro-stepped solar still	Jagdeep Singh ,Prem Singh, Parampal Singh, and Ravi Inder Singh	International conference on engineering and management (ICEM-2013)	27th Jan. 2013
56	Performance evaluation of low inertia multistage solar still	Jagdeep Singh, Prem Singh, Parampal Singh, , Ravi Inder Singh and Krishnendu Kundu	International Multi-conference of engineers and computer scientists (IMECS-2012). Vol.2.	14th - 16th March 2012
57	Technology assessment and Improvement in forging process	Jagdeep Singh, Jatinder Kapoor and Prem Singh	International conference on Advancements in Engineering and Technology (ICAET-2012)	12th - 13th Oct. 2012.
58	Assessment of SPC Implementation in Auto parts Industry: A survey	Jagdeep Singh, Am anjot Singh Pandher and Deepinder Singh	International conference on Advanced Computing & Communication Technologies (ICACCT-2012)	12th - 13th Oct. 2012

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S.no	Title of Publication	Authors	International conferences Name, Vol.	Date
59	Waste Management	Jagdeep Singh, Brar Balraj Singh and Duggal Gurjeet Kaur	International Conference on Management Next: Paradigms and Innovations.	2014
60	Non Linear Finite Analysis of sloshing in tanker	Simranjit Singh ,GS Brar	2nd International Conference on Innovations in Automation and Mechatronics Engineering, ICIAME 2014	2014