

**GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA**

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**DEPARTMENT OF PRODUCTION ENGINEERING****JOINT PUBLICATIONS IN INTERNATIONAL JOURNALS**

<b>S.no</b>	<b>Title of Publication</b>	<b>Authors</b>	<b>International Journal Name, Vol., Iss., pp.</b>	<b>Year</b>
<b>1</b>	Surface engineering and detonation gun spray coatings.	<b>J.S Grewal,</b> Goyal Rakesh and Buta Singh Sidhu	International Journal of Engineering Studies, Vol. 2, No. 3, pp. 351-357	2010
<b>2</b>	Hot corrosion and its preventive measures – A review.	<b>Jasmaninder Singh Grewal</b> Satjot Singh Dhillon, , Vikas Chawla and	Journal of the Australian Ceramic Society, Vol. 47 (2), pp. 1-7.	2011
<b>3</b>	High velocity oxy-fuel sprayed coatings – A review.	<b>Jasmaninder Singh Grewal,</b> Pawandeep Singh Grewal, Vikas Chawla and	Journal of The Australian Ceramic Society, Vol. 47 (2), pp. 30-36.	2011
<b>4</b>	Comparative study of hard faced excavator bucket teeth against abrasive wear using MMAW process.	<b>J.S Grewal</b> Shivali Singla, , Vineet Shibe and	International Journal of Material s Science and Engineering, Vol. 2, No. pp. 5-8.	Jan.-Dec. 1-2, 2011
<b>5</b>	Performance evaluation of hard faced excavator bucket teeth against abrasive wear using MMAW process.	<b>J.S Grewal</b> Shivali Singla, , Vineet Shibe and	International Journal of Mechanical Applications Research, Vol. 2, Issue	Aug- Sept2,2011
<b>6</b>	Wear behavior of thermal; spray coatings on rotavator blades.	<b>Jasmaninder Singh Grewal</b> Amardeep Singh Kang, Deepak Jain, Shivani and	Journal of Thermal Spray Technology, Vol. 21, No.2	2012
<b>7</b>	A review on detonation gun sprayed coatings.	Lakhwinder Singh, Vikas Chawla, and <b>J.S Grewal</b>	Journal of Minerals and Materials Characterization and Engineering, Vol. 2, No. 3, pp. 243-265	2012
<b>8</b>	Enhancing wear resistance of low alloy steels applicable on excavator bucket teeth via hard facing.	<b>Jasmaninder Singh Grewal</b> Shivali Singla, Amardeep Singh Kang	Asian Review of Mechanical Engineering and International Peer Reviewed Journal on Mechanical Engineering, Vol, 1, No. 2,	July-Dec. 2012
<b>9</b>	High Temperature erosion performance of nanostructured and conventional TiAlN coatings on AISI-3014 boiler steel substrate.	<b>Jasmaninder Singh Grewal,</b> Buta Singh Sidhu and Satya Prakash	International Journal of Transactions of Indian Institute of Metals IIM.	2014

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<b>10</b>	Wear behaviour of weld overlays on excavator bucket teeth.	<b>Jasmaninder Singh Grewal</b> Shivali Singla, Amardeep Singh Kang, Gurmeet Singh Cheema and	Procedia Maetrial Science (5), pp. 256-266	2014.
<b>11</b>	Experimental investigations on machining characteristics of titanium in ultrasonic impact grinding	<b>Rupinder Singh</b>	International Jol. Computational Material Science and Surface Engineering (IJCMSSE), Vol. 3, No. 1, (Inderscience publisher)	2010
<b>12</b>	Cryoprocessing of cutting tool materials - a review	S.S. Gill, H. Singh, <b>Rupinder Singh,</b> Jagdev Singh	The International Jol. of Advanced manufacturing technology, Vol. 48, No. 1-4, (Springer publications) <b>DOI 10.1007/s00170-009-2263-9</b>	2010
<b>13</b>	Comparison of statistically controlled machining solutions of titanium alloys using ultrasonic machining	<b>Rupinder Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol. 1,	2010
<b>14</b>	Comparison of statistically controlled rapid casting solutions of brass alloys using three dimensional printing	<b>Rupinder Singh,</b> Jatinderpal Singh	International Journal of Manufacturing Technology and Industrial Engineering Vol.1, No.1, 2010 (Serials Publications) Also published in: Proceedings of ICAME-2009, SVNIT, Surat, India,	Aug. 3-5, 2009
<b>15</b>	Effect of moulding sand on statistically controlled hybrid rapid casting solution for zinc alloys	<b>Rupinder Singh</b>	Journal of Mechanical Science and Technology, Vol. 24, No.8, <b>DOI: 10.1007/s12206-010-0523-0</b> (Springer publications)	2010
<b>16</b>	Investigations of surface properties in manganese powder-mixed electric discharge machining of OHNS and D2die steel	Sanjeev Kumar, <b>Rupinder Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol. 2,	2010
<b>17</b>	Study the effect of slurry and tool material on machinability of titanium and its alloys in ultrasonic machining	<b>Rupinder Singh</b>	Jol. of Modern Manufacturing Technology, Vol.2, No. 2, (Serial publications)	2010
<b>18</b>	Study of statistically controlled surface roughness solution in machining of titanium alloys using ultrasonic machining	<b>Rupinder Singh</b>	<b>International Journal of Engineering Systems Modelling and Simulation, Vol. 2, No. 3,</b> (Inderscience publication)	<b>2010</b>
<b>19</b>	Experimental investigations for reducing wall thickness in solder (20-80) lead alloy rapid casting solution of three dimensional printing	<b>Rupinder Singh,</b> Jatinderpal Singh	International Journal of Rapid Manufacturing, Vol. 1, No.4, (Inderscience publication)	2010

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<b>20</b>	Investigating surface properties of OHNS die steel after electrical discharge machining with manganese powder mixed in the dielectric	Sanjeev Kumar, <b>Rupinder Singh</b>	The International Jol. Of Advanced Manufacturing Technology, Vol.50, NO. 5-8, <b>DOI 10.1007/s00170-010-2536-3</b> (Springer publications)	2010
<b>21</b>	Application of reliability centered maintenance for boiler and accessories in a thermal power plant	N.S.Bhangu, G. L.Pahuja, <b>Rupinder Singh</b>	International journal of emerging technologies and applications in engineering technology and sciences, Also published in: Proceedings of Int. Conf. on power systems operations & control, GNDEC, Ludhiana, Dec 20-22, 2010	2010
<b>22</b>	Investigations for reducing wall thickness in low brass rapid casting using three dimensional printing	Jatinderpal Singh <b>Rupinder Singh</b>	Journal of Mechatronics and Intelligent Manufacturing (JoMIM), Volume 1, Issue No.3-4, (Special issue: Nova Science publication) Also published in: Proceedings of International conference AME 2008, Surat, India, Dec. 15-17, 2008	2010
<b>23</b>	Application of cryogenic treatment in process industry for tooling cost reduction	<b>Rupinder Singh,</b> Kamaljit Singh	International Journal of Manufacturing Technology and Industrial Engineering, Vol. 1, No. 2, (Serials Publications). Also published in: Proceedings of 4 <sup>th</sup> , ICAME-2010, SVNIT, Surat, India, Sep.23-25, 2010	2010
<b>24</b>	An overview of three dimensional printing for casting applications	<b>Rupinder Singh</b>	International Journal of Precision Technology, Vol. 2, No. 1, (Inderscience publication)	2011
<b>25</b>	Performance modeling and behavior analysis of sugar plant: A case study	<b>Rupinder Singh,</b> H.Singh, S. Kumar	<b>International Journal of Indian Culture and Business Management,</b> <b>Vol. 4, No. 2,</b> (Inderscience publication)	<b>2011</b>
<b>26</b>	Study of statistically control rapid casting solution of aluminum alloys using three dimensional printing	<b>Rupinder Singh,</b> Jatinderpal Singh	International Journal of Precision Technology, Vol. 2, No. 1, (Inderscience publication)	2011
<b>27</b>	Metallurgical principles of cryogenically treated tool steels- a review on current state of science	S.S. Gill, J. Singh, H. Singh, <b>Rupinder Singh</b>	The International Jol. of Advanced manufacturing technology, Vol. 54, No. 1-4, <b>DOI: 10.1007/s00170-010-2935-5</b> (Springer publications)	2011

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<b>28</b>	Experimental investigation of pattern-less casting solution using additive manufacturing technique.	Munish Chhabra, <b>Rupinder Singh</b>	International Journal of Mechanical Engineering, Vol. 1, No. 1, (MIT, Moradabad)	2011
<b>29</b>	Reliability centered maintenance in a thermal power plant: A case study	N.S.Bhangu, G.L. Pahuja <b>Rupinder Singh</b>	<b>International Journal of Productivity and Quality Management, Vol.7, No. 2,</b> (Inderscience publication)	<b>2011</b>
<b>30</b>	Process capability study of polyjet printing for plastic components	<b>Rupinder Singh</b>	Journal of Mechanical Science and Technology, Vol. 25, No.4, (Springer publications)	2011
<b>31</b>	Investigation on wear behavior of cryogenically treated TiAlN coated tungsten carbide inserts in turning	SS Gill, H. Singh, J. Singh, <b>Rupinder Singh</b>	International Journal of Machine Tools and Manufacture, Vol. 51, (Elsevier publication)	2011
<b>32</b>	Effect of work piece dimensions on cost effective hybrid rapid casting solution for aluminum alloy	Rajinder Singh, <b>Rupinder Singh</b>	Advanced Materials Research, Vol. 264-265, Also published in: Abstracts of AMPT 2009, I.I.U, Jl. Gombak, Kuala Lumpur, Malaysia, October, 26 – 29, 2009	2011
<b>33</b>	Effect of moulding sand properties on cost effective hybrid rapid casting solution for zinc alloy	Tarsem Lal, <b>Rupinder Singh</b>	Advanced Materials Research, Vol. 264-265, Also published in: Abstracts of AMPT 2009, International Islamic University Malaysia, Jl. Malaysia, October, 26 – 29, 2009	2011
<b>34</b>	Comparison of cryo treatment effect on machining characteristics of titanium in electric discharge machining	<b>Rupinder Singh,</b> Bhupinder Singh	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol. 3,	2011
<b>35</b>	Comparison of statistically controlled rapid casting solutions of zinc alloys using three dimensional printing	<b>Rupinder Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol. 3,	2011
<b>36</b>	Investigation of optimum shell wall thickness of digitally produced shell moulds for brass casting using ZCast direct metal casting process	Munish Chhabra, <b>Rupinder Singh</b>	International Journal of Mechanical Engineering, Vol.1, No. 2, MIT, Moradabad	2011
<b>37</b>	A Framework for Development of Pattern for Dies Using Fused Deposition Modeling	Harish K. Garg, <b>Rupinder Singh</b>	International Journal of Advanced Mechatronics and Robotics (IJAMR) Vol. 3, No. 2, (International Science Press) Also published in Proceedings of National Conference on Adv. & Fut. Trends in Mech. and Materials Engineering 7-8 Oct., 2011,	July-December 2011

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<b>38</b>	Effect of Geometrical Shapes of Patterns in Vacuum Moulding	Chatwant S. Pandher, <b>Rupinder Singh</b>	International Journal of Advanced Mechatronics and Robotics (IJAMR) Vol. 3, No. 2, (International Science Press) Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	July-December 2011
<b>39</b>	Process capability study of ultrasonic machining for titanium alloys	<b>Rupinder Singh</b>	<b>International Journal of Materials Engineering Innovation (IJMatEI), Vol. 2, No.3/4,</b> (Inderscience publication)	<b>2011</b>
<b>40</b>	Rapid casting solutions: a review	M. Chhabra, <b>Rupinder Singh</b>	Rapid Prototyping Journal, Vol.17, No.5, (Emerald publication)	2011
<b>41</b>	Investigations for modeling the silicon moulding process for plastic components	Vipul Sharma, <b>Rupinder Singh</b>	International journal of materials science and engineering, Vol. 2, No. 1-2, Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011
<b>42</b>	Investigating the machining characteristics of HCHCr with electric discharge machining	<b>Rupinder Singh,</b> IPS Ahuja, Jasbirpal Singh	International journal of materials science and engineering, Vol. 2, No. 1-2, Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011
<b>43</b>	Experimental investigations for FDM of plastic components	<b>Rupinder Singh,</b> Ishpreet Singh	International journal of materials science and engineering, Vol. 2, No. 1-2, International Science Press, <b>ISSN: 0976-6243</b> Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011

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44	Effect of slurry layers on the properties of Investment cast components	<b>Rupinder Singh,</b> Paramjit Singh	International journal of materials science and engineering, Vol. 2, No. 1-2, International Science Press, <b>ISSN: 0976-6243</b> Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011
45	Experimental investigations for development of MMC with vacuum moulding	<b>Rupinder Singh,</b> Jaswinder Singh	International journal of materials science and engineering, Vol. 2, No. 1-2, International Science Press, <b>ISSN: 0976-6243</b> Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011
46	Effect of moulding sand on MMC development in vacuum moulding	<b>Rupinder Singh,</b> Jagdev Singh	International journal of materials science and engineering, Vol. 2, No. 1-2, International Science Press, <b>ISSN: 0976-6243</b> Also published in Proceedings of National Conference on Advancements & Futuristic Trends in Mechanical and Materials Engineering, 7-8 Oct., 2011	2011
47	Study the effect of moulding sand properties for reducing shell wall thickness in zinc casting using three dimensional printing	Tarsem lal <b>Rupinder Singh</b>	International Journal of Rapid Manufacturing, Vol. 2, No. 3, (Inderscience publication)	2011
48	Study of statistically controlled material removal solution for machining titanium alloys using ultrasonic machining	<b>Rupinder Singh</b>	Jol. of Modern Manufacturing Technology, Vol. 3, No.1, (Serial publications)	2011
49	Ultrasonic machining of titanium and its alloys: A state of art review and future prospective	G. K. Dhuria, <b>Rupinder Singh,</b> A. Batish	International Journal of Machining and Machinability of Materials, Vol.10, No.4, (Inderscience publication)	2011
50	Flank wear and machining performance of cryogenically treatment tungsten carbide inserts	S.S. Gill, H. Singh, <b>Rupinder Singh</b> , J. Singh	Materials and Manufacturing Processes, Vol.26, No.11, (Taylor and Francis publications)	2011

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51	Process capability study of rapid casting solution for aluminum alloys using three dimensional printing	<b>Rupinder Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol.4,	2011
52	Experimental investigations for development of pattern for dies using FDM	<b>Rupinder Singh, V Singh</b>	Materials Science Forum, Special topic volume: Rapid casting solutions, Vol. 701, (Trans Tech Publications Ltd.)	2012
53	Metallurgical effects of three dimensional printing based rapid casting solution	Harish Garg, <b>Rupinder Singh</b>	Materials Science Forum, Special topic volume: Rapid casting solutions, Vol. 701, (Trans Tech Publications Ltd.)	2012
54	Comparison of hybrid rapid mouldings for zinc alloy castings	<b>Rupinder Singh</b>	Applied Mechanics and Materials, Special Issue: Mechanical and Aerospace Engineering, Vol. 110-116, (Trans Tech Publications Ltd.) Also published in: Proc. of 2nd International Conf. on Mechanical, Industrial, and Manufacturing Technologies, Singapore, Feb 26-28, 2011, Vol. 1, <b>ISBN: 978-1-4244-9264-0</b>	2012
55	Failure mode and effect analysis of a thermal power plant for enhancing its reliability	<b>Rupinder Singh</b>	Applied Mechanics and Materials, Special Issue: Mechanical and Aerospace Engineering, Vol. 110-116, (Trans Tech Publications Ltd.) Also published in: Proc. of 2nd Int. Conf. on Mechanical, Industrial, and Manufacturing Technologies, Singapore, Feb 26-28, 2011, Vol. 1, <b>IEEE Catalog No. CFP1123M-PRT ISBN: 978-1-4244-9264-0</b>	2012
56	Metallurgical and mechanical characteristics of cryogenically treated tungsten carbide (WC-Co)	N.S.Bhangu, <b>Rupinder Singh,</b> G. L.Pahuja	International Journal of Advanced Manufacturing Technology, Vol.58, No. 1-4, <b>DOI: 10.1007/s00170-011-3369-4</b> (Springer publications)	2012
57	Process capability study of rapid silicon moulding for plastic components	J. Singh, H. Singh, <b>Rupinder Singh</b>	<b>International Journal of Materials Engineering Innovation (IJMatEI), Vol. 3, No.2,</b>	<b>2012</b>

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<b>58</b>	Effect of work piece volume on statistically controlled rapid casting solution of aluminum alloys using three dimensional printing	<b>Rupinder Singh,</b> Balpreet Singh	Materials and Manufacturing Processes, Vol. 27, No.4, <b>DOI:10.1080/10426914.2010.536935</b> (Taylor and Francis publications)	2012
<b>59</b>	Mathematical modeling of dimensional accuracy in vacuum assisted casting	<b>Rupinder Singh</b>	Virtual and physical prototyping, Vol. 7, No.2, (Taylor and Francis publications)	2012
<b>60</b>	Process capability analysis of cost effective rapid casting solution based on three dimensional printing	<b>Rupinder Singh</b>	International Journal of Mechanical Engineering, MIT, Moradabad, Vol.2, No.1,	2012
<b>61</b>	Effect of cryogenic treatment on AISI M2 high speed steel – metallurgical and mechanical characterization	Munish Chhabra, <b>Rupinder Singh</b>	Journal of Materials Engineering and Performance, Vol. 21, No.7, <b>DOI: 10.1007/s11665-011-0032-z</b> (Springer publications)	2012
<b>62</b>	Electric discharge machining of titanium and its alloys: A review	S.S Gill, H. Singh, J.Singh, <b>Rupinder Singh</b>	International Journal of Machining and Machinability of Materials, Vol. 11, (Inderscience publication)	2012
<b>63</b>	Application of Fused Deposition Modelling for Rapid Investment Casting-A Review	S. Kumar, <b>Rupinder Singh,</b> A. Batish, T. P. Singh	International Journal of Materials Engineering Innovation ( <b>IJMatEI</b> )Vol. 3, No. 3/4, (Inderscience publication)	2012
<b>64</b>	Obtaining desired surface roughness of castings produced using ZCast direct metal casting process through Taguchi's experimental approach	P. Kumar, IPS Ahuja, <b>Rupinder Singh</b>	Rapid Prototyping Journal, Vol. 18, Issue 6, (Emerald publication)	2012
<b>66</b>	Mathematical modeling for surface hardness in investment casting applications	M. Chhabra, <b>Rupinder Singh</b>	Journal of Mechanical Science and Technology, Vol. 26, No. 11, <b>DOI 10.1007/s12206-012-0854-0</b> (Springer publications)	2012
<b>67</b>	Adaptive Neuro-Fuzzy inference system modeling of cryogenically treated AISI M2 HSS turning tool for estimation of flank wear expert systems with applications	<b>Rupinder Singh</b>	Expert Systems With Applications, Vol. 39, No.4, (Elsevier publication)	2012
<b>68</b>	Experimental investigations for silicon moulding solution of plastic components	S.S. Gill, H. Singh, J. Singh, <b>Rupinder Singh</b>	Materials Science Forum, Special topic volume: Rapid casting solutions, Vol. 701, (Trans Tech Publications Ltd.)	2012



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<b>69</b>	Macro-model for development of Al-Al <sub>2</sub> O <sub>3</sub> metal matrix composite with vacuum moulding: designed experiments	<b>Rupinder Singh, B. Singh</b>	Journal of the <b>Institution of Engineers</b> (India): Series C, Vol.93, No.4, <b>DOI: 10.1007/s40032-012-0049-6</b> (Springer publications)	2012
<b>70</b>	Effect of work piece volume on shell wall thickness reduction in rapid casting of aluminum using three dimensional printing	<b>Rupinder Singh, J. Singh, J. Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol.6,	2012
<b>71</b>	Comparison of polyjet printing and silicon moulding as rapid plastic moulding solution	<b>Rupinder Singh Rajinder Singh</b>	The UMP International Journal of Automotive & Mechanical Engineering (IJAME), Vol.6	2012
<b>72</b>	Some investigations for small sized product fabrication with FDM for plastic components	<b>Rupinder Singh</b>	Rapid Prototyping Journal Vol. 19, Issue1, (Emerald publication)	2013
<b>73</b>	Investigating the effect of vulcanization in tread rubber applications	<b>Rupinder Singh</b>	Materials Science Forum, Special topic volume: Recent advancement in manufacturing processes, Vol. 751, (Trans Tech Publications Ltd.)	2013
<b>74</b>	Macro-model for development of Al-SiC metal matrix composite with vacuum moulding: designed experiments	J. Kumar, <b>Rupinder Singh</b>	Materials Science Forum, Special topic volume: Recent advancement in manufacturing processes, Vol. 751, (Trans Tech Publications Ltd.)	2013
<b>75</b>	Investigating the effect of shape factor, slurry layers and pouring temperature in precision investment casting	<b>Rupinder Singh, Jaswinder Singh</b>	Materials Science Forum, Special topic volume: Recent advancement in manufacturing processes, Vol. 751, (Trans Tech Publications Ltd.)	2013
<b>76</b>	Replication of plastic components with silicon moulding: designed experiments	<b>Rupinder Singh, Jagdeep Singh</b>	Materials Science Forum, Special topic volume: Recent advancement in manufacturing processes, Vol. 751,	2013
<b>77</b>	Investigating the effect of moulding sand properties on investment castings: A Process capability study	<b>Rupinder Singh, Vipul Sharma</b>	Journal of Mechanical Science and Technology, Vol.27, No.3, <b>DOI: 10.1007/s12206-013-0107-x</b> (Springer publications)	2013
<b>78</b>	Maintenance planning and control of hand tools unit: A case study	<b>Rupinder Singh</b>	International Journal of Indian Culture and Business Management, Vol. 7, No.1 (Inderscience publication)	2013
<b>79</b>	Machinability Index Evaluation: A Case Study of Carbide Inserts	<b>Rupinder Singh, Arvinderjit S</b>	Applied Mechanics and Materials Vol. 330, , Trans Tech Publications, Switzerland	2013

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<b>80</b>	Experimental investigations for statistically controlled vacuum moulding solutions of Al-SiC MMC	<b>Kamaljit Singh, Rupinder Singh</b>	Applied Mechanics and Materials Vol. 330, , Trans Tech Publications, Switzerland Also published in Proceedings of 2 <sup>nd</sup> International Conference on Manufacturing Engineering and Process, Vancouver, Canada, April 13-14, 201391-95	2013
<b>81</b>	Execution of rapid prototyping technology - An Indian manufacturing industry's perspective	R. Kumar, <b>Rupinder Singh</b> and I.P.S. Ahuja	<b>International Journal of Indian Culture and Business Management, Vol. 6, No.2,</b> (Inderscience publication 162-184	2013
<b>82</b>	Effect of process parameters on surface hardness, dimensional accuracy and surface roughness of investment cast components	<b>Rupinder Singh,</b> Sunpreet Singh	Journal of Mechanical Science and Technology, Vol. 27, No.1, <b>DOI 10.1007/s12206-012-1218-5</b> (Springer publications)	2013
<b>83</b>	Process capability analysis of vacuum moulding for development of Al-Al <sub>2</sub> O <sub>3</sub> MMC	<b>Rupinder Singh</b>	Journal of the Institution of Engineers (India): Series C, Vol.94, No.1, <b>DOI: 10.1007/s40032-012-0051-z</b> (Springer publications)	2013
<b>84</b>	Effect of phase pressure on casting properties in cold chamber die casting process	<b>Rupinder Singh,</b> Rahul Kapoor	Journal of the Institution of Engineers (India): Series C, Vol. 94, No.2, <b>DOI: 10.1007/s40032-013-0066-0</b>	2013
<b>85</b>	Pattern development for manufacturing applications with FDM: A case study	Harish Garg, <b>Rupinder Singh</b>	International Journal of Automotive & Mechanical Engineering (IJAME), Vol. 7,	2013
<b>86</b>	Process capability analysis of MMC prepared by combining FDM, vacuum moulding and stir casting	<b>Rupinder Singh,</b> Sardar Singh	Asian Journal of Engineering and Applied Technology, Vol. 2 No. 2, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 3-6, 2013, PTU Jalandhar	2013
<b>87</b>	Experimental investigations for use of ABS replicas in investment casting applications	<b>Rupinder Singh,</b> Munish K Gupta	Asian Review of Mechanical Engineering, Vol. 2 No. 2, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 3-6, 2013, PTU Jalandhar	2013

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<b>S.no</b>	<b>Title of Publication</b>	<b>Authors</b>	<b>International Journal Name, Vol., Iss., pp.</b>	<b>Year</b>
<b>88</b>	A framework for developing a hybrid investment casting process	Parlad Kumar, <b>Rupinder Singh, IPS</b> Ahuja	Asian Review of Mechanical Engineering, Vol. 2 No. 2, Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 3-6, 2013, PTU Jalandhar	2013
<b>89</b>	Process capability analysis of fused deposition modelling for plastic components	<b>Rupinder Singh</b>	Rapid Prototyping Journal, Vol. 20, No.1, (Emerald publication)	2014
<b>90</b>	Modeling of surface hardness in hot chamber die casting using Buckingham's $\pi$ approach	<b>Rupinder Singh</b>	Journal of Mechanical Science and Technology, Vol. 28, No.2, (Springer publication)	2014
<b>91</b>	Maintenance planning and control of Blast Furnace Section: A Case Study of SAIL Bhilai	<b>Rupinder Singh, Navneet Kumar</b>	International Journal of Indian Culture and Business Management, Vol. 8, No.3, (Inderscience publications)	2014
<b>92</b>	Investigations for Statistically controlled investment casting solution of FDM based ABS replicas	<b>Rupinder Singh,</b> Gurwinder Singh	Rapid Prototyping Journal, Vol. 20, Issue3, (Emerald publication)	2014
<b>93</b>	A hybrid Taguchi-ANN approach to predict surface roughness during electric discharge machining of titanium alloys	S. Kumar, A. Batish, <b>Rupinder Singh, T.P. Singh</b>	Journal of mechanical science and technology, Vol. 28, No.7, (Springer publication)	2014
<b>94</b>	Some investigations on hardness of investment casting process after advancements in shell moulding for reduction in cycle time	<b>Rupinder Singh, Vishal Mahajan</b>	Journal of the Institution of Engineers (India): Series C, Vol. 95, No.3, <b>(DOI)10.1007/s40032-014-0121-5</b> (Springer publication)	2014
<b>95</b>	Experimental and analytical analysis of light alloy shell castings using three dimensional printing	Rajesh Kumar, I.P.S. Ahuja, <b>Rupinder Singh</b>	International Journal of Advance Research and Innovation, Vol. 2, Issue 3,	2014
<b>96</b>	Development of Aluminium Matrix Composite using hybrid FDM pattern for investment casting applications	Sunpreet Singh, <b>Rupinder Singh</b>	Int. Jol. of mechanical engineering and material science, Vol.8, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press

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<b>S.no</b>	<b>Title of Publication</b>	<b>Authors</b>	<b>International Journal Name, Vol., Iss., pp.</b>	<b>Year</b>
<b>97</b>	Experimental Investigations for Surface Hardness of SiC-Al <sub>2</sub> O <sub>3</sub> Reinforced AMC Prepared by Combining Vacuum Moulding and Stir Casting	<b>Rupinder Singh</b> , Debashis Podder	Int. Jol. of mechanical engineering and material science, Vol.8, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>98</b>	Some investigations on Fe-Nylon 6 based hybrid FDM filament	Harish K Garg, <b>Rupinder Singh</b>	Int. Jol. of mechanical engineering and material science, Vol.8, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>99</b>	Study the Surface Characteristics of Cryogenically Treated Tool-Electrodes in Powder Mixed Electric Discharge Machining Process	S. Kumar, A. Batish, <b>Rupinder Singh</b> , T.P. Singh	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808,	In Press
<b>100</b>	Modeling of dimensional accuracy in three dimensional printing for light alloy casting	R. Kumar, <b>Rupinder Singh</b> , IPS Ahuja	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808,	In Press
<b>101</b>	Investigations for mechanical properties of hybrid investment casting: A case study	Parlad Garg, <b>Rupinder Singh</b> , IPS Ahuja	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808,	In Press
<b>102</b>	Mathematical modeling of sensitization in resistance spot welding of SS	<b>Rupinder Singh</b>	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808,	In Press
<b>103</b>	Development of new composite materials for rapid tooling using fused deposition modelling	Harish Garg, <b>Rupinder Singh</b>	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808,	In Press
<b>104</b>	Development of Aluminium MMC with Hybrid Reinforcement- A Review	SSAhluwalia, <b>Rupinder Singh</b> , S.S. Gill	Advancement in manufacturing process (Special topic volume), Materials science forum, Vol.808	In Press

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<b>105</b>	Process capability analysis for resistance spot welding solution of stainless steel joints	<b>Rupinder Singh</b>	Int. Jol. of manufacturing science and engineering, Vol.6, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>106</b>	Experimental Investigation on Weight of Barrel Finished FDM Patterns	<b>Rupinder Singh, Alok Trivedi</b>	Int. Jol. of manufacturing science and engineering, Vol.6, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>107</b>	Experimental investigations for dimensional accuracy of Al-SiC composites prepared by vacuum moulding assisted stir casting using plastic pattern	<b>Rupinder Singh, Gagandeep Singh</b>	Int. Jol. of manufacturing science and engineering, Vol.6, No.1, Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>108</b>	Development of nylon based FDM filament for rapid tooling application	<b>Rupinder Singh, Sunpreet Singh</b>	Journal of the Institution of Engineers (India): Series C (Springer publication) <b>DOI 10.1007/s40032-014-0108-2</b>	In Press
<b>109</b>	Cast component hardness comparison for investment casting prepared with wax and ABS patterns	<b>Rupinder Singh, Gurpartap Singh</b>	Transactions of the Indian Institute of Metals An International Journal of Minerals, Metals and Material Engineering <b>DOI 10.1007/s12666-014-0432-5</b> (Springer Publications)	In Press
<b>110</b>	Fused deposition modelling based rapid patterns for investment casting applications: A review	Sunpreet Singh, <b>Rupinder Singh</b>	Rapid Prototyping Journal (Emerald publication)	In Press
<b>111</b>	Investigating the surface roughness of implants prepared by combining fused deposition modelling and investment casting	<b>Rupinder Singh, S. Singh, P. Kapoor</b>	Proceedings of IMechE Part-E (Jol. of Process Mechanical Engineering)	In Press

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<b>112</b>	Precision investment casting: A state of art review and future applications	S.Singh, <b>Rupinder Singh</b>	Proceedings of IMechE Part-B	In Press
<b>113</b>	A mathematical model to predict material removal rate during electric discharge machining of cryogenically treated titanium alloys	S. Kumar, A. Batish, <b>Rupinder Singh</b> , T.P. Singh	Journal of Engineering Manufacture, Part-B (IMechE)	In Press
<b>114</b>	Taguchi approach for modelling of surface hardness in investment casting	Sunpreet Singh, <b>Rupinder Singh</b>	Proceedings of IMechE Part-E (Jol. of Process Mechanical Engineering) Sage publications	In Press
<b>115</b>	Mathematical modeling of surface roughness of castings produced using ZCast direct metal casting	M. Chhabra, <b>Rupinder Singh</b>	Journal of the Institution of Engineers (India): Series C <b>DOI 10.1007/s40032-014-0139-8</b>	In Press
<b>116</b>	Application of Fault tree analysis for evaluating reliability and risk assessment of a thermal power plant	N.S.Bhangu, G.L.Pahuja, <b>Rupinder Singh</b>	Energy Sources, Part A: Recovery, Utilization and Environmental Effects (Taylor and Francis publications)	In Press
<b>117</b>	Investigations for melt flow index of Nylon6-Fe composite based hybrid FDM filament	Harish Garg, <b>Rupinder Singh</b>	Rapid Prototyping Journal (Emerald publication)	In Press
<b>118</b>	Investigation for surface quality improvement of barrel finished FDM pattern based vacuum moulding	<b>Rupinder Singh</b> , Manjinder Singh	Asian review of mechanical engineering Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>119</b>	Some investigations on surface quality of aluminium matrix composite developed using modified FDM pattern based rapid investment casting	<b>Rupinder Singh</b> , J.Singh, Sunpreet Singh	Asian journal of engineering and applied technology Also published in: Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16 <sup>th</sup> -18 <sup>th</sup> , 2014, PTU Jalandhar	In Press
<b>120</b>	Effect of process parameters on hardness of hip joint developed by combining fused deposition modelling and investment casting	<b>Rupinder Singh</b> , Sunpreet Singh, Prince Kapoor	Transactions of the Indian Institute of Metals An International Journal of Minerals, Metals and Material Engineering (Springer Publications)	In Press

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<b>121</b>	Wear behavior of FDM parts fabricated by composite material feed stock filament	K.S. Boparai, <b>Rupinder Singh</b> , H.Singh	Rapid Prototyping Journal (Emerald publication)	In Press
<b>123</b>	Experimental investigations for development of Nylon6-Al-Al <sub>2</sub> O <sub>3</sub> alternative FDM filament	K.S. Boparai, <b>Rupinder Singh</b> , H. Singh	Rapid Prototyping Journal (Emerald publication)	In Press
<b>124</b>	Effect of single, double and triple particle size SiC and Al <sub>2</sub> O <sub>3</sub> reinforcement on wear properties of AMC prepared by stir casting in vacuum mould	<b>Rupinder Singh</b> , D. Podder, Sunpreet Singh	Transactions of the Indian Institute of Metals An International Journal of Minerals, Metals and Material Engineering (Springer Publications)	In Press
<b>125</b>	Wear Modelling of Al-Al <sub>2</sub> O <sub>3</sub> functionally graded material prepared by FDM assisted investment castings using dimensionless analysis	Sunpreet Singh, <b>Rupinder Singh</b>	Jol. of Manufacturing processes	In Press
<b>126</b>	Performance evaluation of micro-stepped solar still	Prem Singh, Parampal Singh, <b>Jagdeep Singh</b> and Ravi Inder Singh	International Journal on Theoretical and Applied Research (IJTA-2012). 2012.Vol.2, , pp 70-74	15 <sup>th</sup> March 2012
<b>127</b>	Parametric Optimization of MIG Welding for MS 5986 Fe 410 using Taguchi Method	Rakesh Sharma and <b>Jagdeep Singh</b>	Int. Journal of Applied Sciences and Engineering Research, Vol. 3, Issue 3, ,pp 641-650	July 2014
<b>128</b>	Scenario of E-Banking In today's life- A survey	<b>Jagdeep Singh</b>	International Journal of Computing & Business Research(IJCBR-2012), pp 50-55	2012
<b>129</b>	Experimental investigations for development of MMC with vacuum moulding	Rupindersingh and <b>Jaswinder Singh</b>	International journal of materials science and engineering Volume 2, Nos. 1-2, pp 115-119	January- December 2011
<b>130</b>	Macro-model for development of Al-SiC metal matrix composite with vacuum moulding: Designed experiments	<b>Jaswinder Singh</b> and Rupindersingh	Materials Science Forum Vol. 751 (2013) pp 21-26 © (2013) Trans Tech Publications, Switzerland	
<b>131</b>	Non Linear Finite Analysis of sloshing in tanker	GS Brar, <b>Simranjit Singh</b>	Procedia journal Technologies Elsevier, Vol 14 ,pp 490-496. <b>DOI 10.1016/j.protcy.2014.08.062</b>	June, 2014