

### SCI Publications Jul 2018-June 2019

S.No	Paper	I.F.
1.	Yadav, Ravi Datt, and Anant Kumar Singh. "A novel magnetorheological gear profile finishing with high shape accuracy." <i>International Journal of Machine Tools and Manufacture</i> 139 (2019): 75-92.	6.093
2.	Sharma, Sandeep Kumar, Ravinder Kumar Duvedi, Sanjeev Bedi, and Stephen Mann. "A multipoint tool positioning method for five-axis machining in the region of two intersecting tensor product Bézier surfaces." <i>International Journal of Machine Tools and Manufacture</i> 142 (2019): 42-53.	6.039
3.	Singh, S. K., I. V. Singh, B. K. Mishra, and G. Bhardwaj. "Analysis of cracked functionally graded material plates using XIGA based on generalized higher-order shear deformation theory." <i>Composite Structures</i> 225 (2019): 111038.	4.829
4.	Rosha, Pali, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir. "Hydrogen enrichment of biogas via dry and autothermal-dry reforming with pure nickel (Ni) nanoparticle." <i>Energy</i> 172 (2019): 733-739.	4.39
5.	Rosha, Pali, Saroj Kumar Mohapatra, Sunil Kumar Mahla, HaengMuk Cho, Bhupendra Singh Chauhan, and Amit Dhir. "Effect of compression ratio on combustion, performance, and emission characteristics of compression ignition engine fueled with palm (B20) biodiesel blend." <i>Energy</i> 178 (2019): 676-684.	4.39
6.	Rosha, Pali, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir. "Biogas reforming for hydrogen enrichment by ceria decorated over nickel catalyst supported on titania and alumina." <i>International Journal of Hydrogen Energy</i> 43, no. 46 (2018): 21246-21255.	4.229
7.	Kataria, Jatinder, S. K. Mohapatra, and K. Kundu. "Biodiesel production from waste cooking oil using heterogeneous catalysts and its operational characteristics on variable compression ratio CI engine." <i>Journal of the Energy Institute</i> 92, no. 2 (2019): 275-287.	4.217
8.	Jain, Deepak, Abhijit Mukherjee, Hannah Porter, and Joshua Blake. "Enhanced thermal resistance of rammed earth blocks with recycled industry by-products." <i>International Journal of Thermal Sciences</i> 138 (2019): 447-458.	3.91
9.	Jain, Deepak, Ishita Kamboj, Tarun Kumar Bera, Amardeep Singh Kang, and Rohit Kumar Singla. "Experimental and numerical investigations on the effect of alkaline hornification on the hydrothermal	3.89

	ageing of Agave natural fiber composites." <i>International Journal of Heat and Mass Transfer</i> 130 (2019): 431-439.	
10.	Bhullar, Supreet S., Vinay K. Nangia, and Ajay Batish. "The impact of academia-industry collaboration on core academic activities: Assessing the latent dimensions." <i>Technological Forecasting and Social Change</i> 145, no. C (2019): 1-11.	3.815
11.	Sharma, Sandeep, Tarun Nanda, and O. P. Pandey. "Effect of dual particle size (DPS) on dry sliding wear behaviour of LM30/sillimanite composites." <i>Tribology International</i> 123 (2018): 142-154.	3.517
12.	Singh, Manpreet, and Anant Kumar Singh. "Performance investigation of magnetorheological finishing of rolls surface in cold rolling process." <i>Journal of Manufacturing Processes</i> 41 (2019): 315-329.	3.462
13.	Ahuja, Lalit, Deepa Mudgal, Surendra Singh, and Satya Prakash. "A comparative study to evaluate the corrosion performance of Zr incorporated Cr <sub>3</sub> C <sub>2</sub> -(NiCr) coating at 900° C." <i>Ceramics International</i> 44, no. 6 (2018): 6479-6492.	3.45
14.	Sharma, Sandeep, Tarun Nanda, and O. P. Pandey. "Effect of particle size on dry sliding wear behaviour of sillimanite reinforced aluminium matrix composites." <i>ceramics international</i> 44, no. 1 (2018): 104-114.	3.45
15.	Rathod, Dinesh W., Yongle Sun, Gideon Obasi, and Matthew J. Roy. "Effect of multiple passes on Lüders/yield plateaus, microstructure and tensile behaviour of narrow-gap thick-section weld plates." <i>Journal of Materials Science</i> 54, no. 19 (2019): 12833-12850.	3.442
16.	Tathgir, Surinder, Dinesh W. Rathod, and Ajay Batish. "A-TIG welding process for enhanced-penetration in Duplex stainless-steel: effect of activated fluxes." <i>Materials and Manufacturing Processes</i> 34, no. 15 (2019): 1659-1670.	3.365
17.	Rosha, Pali, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir. "Catalytic reforming of synthetic biogas for hydrogen enrichment over Ni supported on ZnOCeO <sub>2</sub> mixed catalyst." <i>Biomass and Bioenergy</i> 125 (2019): 70-78.	3.358
18.	Sharma, Satish Kumar, Sachin Maheshwari, and Ratnesh Kumar Raj Singh. "Effect of heat-input and cooling-time on bead characteristics in SAW." <i>Materials and Manufacturing Processes</i> 34, no. 2 (2019): 208-215.	3.35
19.	Kumar, Vinod, Tarun K. Bera, and Anirban Bhattacharya. "Development and performance analysis of semi-automatic movement	3.35

	setup for planar welding." <i>Materials and Manufacturing Processes</i> 34, no. 11 (2019): 1251-1261.	
20.	Singh, Manpreet, and Anant Kumar Singh. "Improved magnetorheological finishing process with rectangular core tip for external cylindrical surfaces." <i>Materials and Manufacturing Processes</i> 34, no. 9 (2019): 1049-1061.	3.35
21.	Sharma, Vipin Kumar, Vinod Kumar, and Ravinder Singh Joshi. "Investigation of rare earth particulate on tribological and mechanical properties of Al-6061 alloy composites for aerospace application." <i>Journal of Materials Research and Technology</i> 8, no. 4 (2019): 3504-3516.	3.3
22.	Singh, Harpreet, and Hiralal Bhowmick. "Tribological behaviour of hybrid AMMC sliding against steel and cast iron under MWCNT-Oil lubrication." <i>Tribology International</i> 127 (2018): 509-519.	3.246
23.	Kataria, Jatinder, S. K. Mohapatra, and K. Kundu. "Biodiesel production from waste cooking oil using heterogeneous catalysts and its operational characteristics on variable compression ratio CI engine." <i>Journal of the Energy Institute</i> 92, no. 2 (2019): 275-287.	3.204
24.	Sharma, V. K., V. Kumar, and R. S. Joshi. "Effect of RE addition on wear behavior of an Al-6061 based hybrid composite." <i>Wear</i> 426 (2019): 961-974.	3.2
25.	Singh, S. K., I. V. Singh, G. Bhardwaj, and B. K. Mishra. "A Bézier extraction based XIGA approach for three-dimensional crack simulations." <i>Advances in Engineering Software</i> 125 (2018): 55-93.	3.198
26.	Shukla, Rajesh Kumar, Alok Kumar, Rajesh Kumar, Digvijay Singh, and Arvind Kumar. "Numerical study of pore formation in thermal spray coating process by investigating dynamics of air entrapment." <i>Surface and Coatings Technology</i> 378 (2019): 124972.	3.192
27.	Paswan, Sunil Kumar, and Anant Kumar Singh. "Analysis of surface finishing mechanism in a newly developed rotational magnetorheological honing process for its productivity improvement." <i>Wear</i> 426 (2019): 68-82.	2.95
28.	Godara, R. K., and M. M. Joglekar. "Suppression of contact bounce in beam-type microelectromechanical switches using a feedforward control scheme." <i>Journal of Vibration and Control</i> 24, no. 23 (2018): 5502-5513.	2.865
29.	Negi, A., G. Bhardwaj, J. S. Saini, Kishore Khanna, and R. K. Godara. "Analysis of CNT reinforced polymer nanocomposite plate in the	2.848

	presence of discontinuities using XFEM." <i>Theoretical and Applied Fracture Mechanics</i> 103 (2019): 102292.	
30.	Singh, Gurpreet, Tarun Nanda, Sk Javed Miadad, Nemai Chandra Gorain, T. Venugopalan, and B. Ravi Kumar. "Correlation between Lüders band formation and precipitation kinetics behaviour during the industrial processing of interstitial free high strength steels." <i>Archives of Civil and Mechanical Engineering</i> 19, no. 2 (2019): 469-483.	2.846
31.	Singh, Navjot, Tarun Nanda, B. Ravi Kumar, Swapan Kumar Das, and Vishal Singh. "In situ investigations of microstructural changes during tensile deformation of AISI 304L stainless steels." <i>Archives of Civil and Mechanical Engineering</i> 19, no. 3 (2019): 672-679.	2.846
32.	Oberoi, Amandeep Singh, Parag Nijhawan, and Parminder Singh. "A Novel Electrochemical Hydrogen Storage-Based Proton Battery for Renewable Energy Storage." <i>Energies</i> 12, no. 1 (2019): 82.	2.676
33.	Jawanda, Ajayinder Singh, Ajay Batish, and Sanjeev Bedi. "Adaptive ball drop algorithm for toolpath generation of axisymmetric triangulated parts to eliminate overcutting." <i>The International Journal of Advanced Manufacturing Technology</i> 99, no. 1-4 (2018): 461-474.	2.601
34.	Duvedi, Ravinder Kumar, Sanjeev Bedi, and Stephen Mann. "An efficient multipoint 5-axis tool positioning method for tensor product surfaces." <i>The International Journal of Advanced Manufacturing Technology</i> 97, no. 1-4 (2018): 279-295.	2.601
35.	Sharma, Sandeep Kumar, Ravinder Kumar Duvedi, Sanjeev Bedi, and Stephen Mann. "A method for generating multiple solutions for multipoint five-axis tool positioning." <i>The International Journal of Advanced Manufacturing Technology</i> 100, no. 9-12 (2019): 2509-2520.	2.601
36.	Chana, Anirudh, and Anant Kumar Singh. "Magnetorheological nano-finishing of tube extrusion punch for improving its functional applications in press machine." <i>The International Journal of Advanced Manufacturing Technology</i> 103, no. 5-8 (2019): 2037-2052.	2.601
37.	Bedi, Talwinder Singh, and Anant Kumar Singh. "An initial new approach for magnetorheological finishing of ferromagnetic internal cylindrical surfaces." <i>The International Journal of Advanced Manufacturing Technology</i> 100, no. 5-8 (2019): 1017-1030.	2.496
38.	Garg, Kapil, Vikrant Khullar, Sarit K. Das, and Himanshu Tyagi. "Parametric study of the energy efficiency of the HDH desalination unit integrated with nanofluid-based solar collector." <i>Journal of Thermal Analysis and Calorimetry</i> 135, no. 2 (2019): 1465-1478.	2.471

39.	Bhalla, Vishal, Vikrant Khullar, and Himanshu Tyagi. "Investigation of factors influencing the performance of nanofluid-based direct absorption solar collector using Taguchi method." <i>Journal of Thermal Analysis and Calorimetry</i> 135, no. 2 (2019): 1493-1505.	2.471
40.	Singh, Satwinder, Ashish Singla, and Ekta Singla. "Modular manipulators for cluttered environments: A task-based configuration design approach." <i>Journal of Mechanisms and Robotics</i> 10, no. 5 (2018).	2.23
41.	Grover, Vishwas, and Anant Kumar Singh. "Improved design of magnetorheological honing tool based on finite element analysis and experimental examination of its performance." <i>The International Journal of Advanced Manufacturing Technology</i> 100, no. 5-8 (2019): 1067-1080.	2.209
42.	Godara, R. K., and M. M. Joglekar. "Suppression of contact bounce in beam-type microelectromechanical switches using a feedforward control scheme." <i>Journal of Vibration and Control</i> 24, no. 23 (2018): 5502-5513.	2.197
43.	Singh, Satnam, Praveen Singh, Dheeraj Gupta, Vivek Jain, Rohit Kumar, and Sarbjeet Kaushal. "Development and characterization of microwave processed cast iron joint." <i>Engineering Science and Technology, an International Journal</i> 22, no. 2 (2019): 569-577.	2.018
44.	Salvi, Swapnil S., Vishal Bhalla, Robert A. Taylor, Vikrant Khullar, Todd P. Otonicar, Patrick E. Phelan, and Himanshu Tyagi. "Technological Advances to Maximize Solar Collector Energy Output: A Review." <i>Journal of Electronic Packaging</i> 140, no. 4 (2018).	1.99
45.	Singh, Manpreet, Anindya Das, T. Venugopalan, Krishnendu Mukherjee, Mahesh Walunj, Tarun Nanda, and B. Ravi Kumar. "Impact of Martensite Spatial Distribution on Quasi-Static and Dynamic Deformation Behavior of Dual-Phase Steel." <i>Metallurgical and Materials Transactions A</i> 49, no. 2 (2018): 463-475.	1.985
46.	Sharma, Rishabh Prakash, and Neeraj Kumar. "Nodal integral method for convection-diffusion transport using linear and higher order quadrilateral elements." <i>Numerical Heat Transfer, Part B: Fundamentals</i> 74, no. 3 (2018): 623-645.	1.775
47.	Sharma, Sandeep, Tarun Nanda, and O. P. Pandey. "Effect of elevated temperatures and applied pressure on the tribological properties of LM30/sillimanite aluminium alloy composites." <i>Journal of Composite Materials</i> 53, no. 11 (2019): 1521-1539.	1.755
48.	Shard, Abhinav, Deep Shikha, Vishal Gupta, and M. P. Garg. "Effect of B 4 C abrasive mixed into dielectric fluid on electrical discharge	1.743

	machining." <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> 40, no. 12 (2018): 554.	
49.	Arora, Rashmi, Dharmveer Agarwal, and Tarun Kumar Bera. "Workspace analysis and trajectory tracking of a planar hybrid manipulator with ball screw feed drive." <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> 41, no. 9 (2019): 378.	1.743
50.	Kushnoore, S., V. Atgur, P. K. C. Kanagalpula, N. Kamitkar, and P. Shetty. "Experimental investigation on thermal behavior of fly ash reinforced aluminium alloy (Al6061) hybrid composite." <i>Journal of Mechanical Engineering and Sciences</i> 13, no. 3 (2019): 5588-5603.	1.7
51.	Sahoo, Rosalin, Neeraj Grover, and B. N. Singh. "Nonpolynomial Zigzag Theories for Random Static Analysis of Laminated-Composite and Sandwich Plates." <i>AIAA Journal</i> 57, no. 1 (2019): 437-447.	1.638
52.	Singh, Daljeet, Atul Babbar, Vivek Jain, Dheeraj Gupta, Sanjai Saxena, and Vagish Dwibedi. "Synthesis, characterization, and bioactivity investigation of biomimetic biodegradable PLA scaffold fabricated by fused filament fabrication process." <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> 41, no. 3 (2019): 121.	1.627
53.	Kaushal, Sarbjeet, Dilkar Singh, Dheeraj Gupta, and Vivek Jain. "Processing of Ni–WC–Cr <sub>3</sub> C <sub>2</sub> -based metal matrix composite cladding on SS-316L substrate through microwave irradiation." <i>Journal of Composite Materials</i> 53, no. 8 (2019): 1023-1032.	1.613
54.	Kaushal, Sarbjeet, Bhupinder Singh, Dheeraj Gupta, Hiralal Bhowmick, and Vivek Jain. "An approach for developing nickel–alumina powder-based metal matrix composite cladding on SS-304 substrate through microwave heating." <i>Journal of Composite Materials</i> 52, no. 16 (2018): 2131-2138.	1.613
55.	Sharma, Atul Kumar, R. K. Godara, and M. M. Joglekar. "Static and DC dynamic pull-in analysis of curled microcantilevers with a compliant support." <i>Microsystem Technologies</i> 25, no. 3 (2019): 965-975.	1.581
56.	Singh, R., and T. K. Bera. "Walking Model of Jansen Mechanism-Based Quadruped Robot and Application to Obstacle Avoidance." <i>Arabian Journal for Science and Engineering</i> (2019): 1-12.	1.518
57.	Sharma, Atul Kumar, R. K. Godara, and M. M. Joglekar. "Static and DC dynamic pull-in analysis of curled microcantilevers with a compliant support." <i>Microsystem Technologies</i> 25, no. 3 (2019): 965-975.	1.513
58.	Singh, Gurprit, Satish Kumar, and S. K. Mohapatra. "Potential Risk by Disposal of Bottom Ash from Thermal Power Plants and Minimization	1.48

	by Addition of NaHCO <sub>3</sub> ." <i>Bulletin of environmental contamination and toxicology</i> 101, no. 6 (2018): 773-778.	
59.	Singh, Ratnesh Kumar Raj, Dinesh W. Rathod, Rajesh Prasad, and Sunil Pandey. "Cooling environment effect on the microstructure and mechanical properties of friction stir-welded joints." <i>Journal of Materials Engineering and Performance</i> 28, no. 6 (2019): 3737-3747.	1.476
60.	Singh, Rajmeet, and Tarun Kumar Bera. "Fault detection, isolation and reconfiguration of a bipedal-legged robot." <i>Simulation</i> 95, no. 10 (2019): 955-977.	1.455
61.	Shelly, Daksh, Karanbir Singh, Tarun Nanda, and Rajeev Mehta. "Addition of nanomer clays to GFRPs for enhanced impact strength and fracture toughness." <i>Materials Research Express</i> 5, no. 10 (2018): 105013.	1.449
62.	Walia, Arminder Singh, Vivek Jain, and Vineet Srivastava. "Development and performance evaluation of sintered tool tip while EDMing of hardened steel." <i>Materials Research Express</i> 6, no. 8 (2019): 086520.	1.449
63.	Sharma, Sandeep, Suresh Kumar, Tarun Nanda, and O. P. Pandey. "Effect of heat treatment on the wear behavior of zircon reinforced aluminium matrix composites." <i>Materials Research Express</i> 6, no. 5 (2019): 056535.	1.449
64.	Babbar, Atul, Akash Sharma, Vivek Jain, and Anil Kumar Jain. "Rotary ultrasonic milling of C/SiC composites fabricated using chemical vapor infiltration and needling technique." <i>Materials Research Express</i> 6, no. 8 (2019): 085607.	1.449
65.	Sharma, A., V. Jain, and D. Gupta. "Multi-shaped tool wear study during rotary ultrasonic drilling and conventional drilling for amorphous solid." <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> 233, no. 3 (2019): 551-560.	1.448
66.	Sharma, Vipin Kumar, Vinod Kumar, and Ravinder Singh Joshi. "Experimental investigation on effect of RE oxides addition on tribological and mechanical properties of Al-6063 based hybrid composites." <i>Materials Research Express</i> 6, no. 8 (2019): 0865d7.	1.4
67.	Singh, Ratnesh Kumar Raj, Dinesh W. Rathod, and Sunil Pandey. "Friction stir welding of nuclear grade SA508Gr. 3Cl. 1 and SS304LN dissimilar steels." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 232, no. 21 (2018): 3814-3822.	1.359

68.	Kumar, Sudhir, Rupinder Singh, T. P. Singh, and Ajay Batish. "Investigations of polylactic acid reinforced composite feedstock filaments for multimaterial three-dimensional printing applications." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 233, no. 17 (2019): 5953-5965.	1.359
69.	Kumar, Sudhir, Rupinder Singh, T. P. Singh, and Ajay Batish. "Multimaterial printing and characterization for mechanical and surface properties of functionally graded prototype." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 233, no. 19-20 (2019): 6741-6753.	1.359
70.	Sirwal, Sohaib Ahmad, and Anant Kumar Singh. "Analysis of the surface roughness for novel magnetorheological finishing of a typical blind hole workpiece." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 233, no. 5 (2019): 1541-1561.	1.359
71.	Kumar, Sudhir, Rupinder Singh, T. P. Singh, and Ajay Batish. "On investigation of rheological, mechanical and morphological characteristics of waste polymer-based feedstock filament for 3D printing applications." <i>Journal of Thermoplastic Composite Materials</i> (2019): 0892705719856063.	1.343
72.	Kumar, Sudhir, Rupinder Singh, T. P. Singh, and Ajay Batish. "Investigations for magnetic properties of PLA-PVC-Fe <sub>3</sub> O <sub>4</sub> -wood dust blend for self-assembly applications." <i>Journal of Thermoplastic Composite Materials</i> (2019): 0892705719857778.	1.343
73.	Singh, Bhupinder, Sarbjeet Kaushal, Dheeraj Gupta, and Hiralal Bhowmick. "On development and dry sliding wear behavior of microwave processed Ni/Al <sub>2</sub> O <sub>3</sub> composite clad." <i>Journal of Tribology</i> 140, no. 6 (2018).	1.318
74.	Singh, Rattanvir, Amit Dhir, Saroj Kumar Mohapatra, and Sunil Kumar Mahla. "Dry reforming of methane using various catalysts in the process." <i>Biomass Conversion and Biorefinery</i> (2019): 1-21.	1.31
75.	Singh, Jatinder Pal, Satish Kumar, and S. K. Mohapatra. "An experimental study on head loss characteristics of pipe bends for flow of coal-water slurry at high solid concentration." <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> 233, no. 5 (2019): 1151-1161.	1.2
76.	Ohri, Virender, and Vikrant Khullar. "Using solar energy for water purification through nanoparticles assisted evaporation." <i>Journal of Solar Energy Engineering</i> 141, no. 1 (2019).	1.19



77.	Sharma, Satish Kumar, Sachin Maheshwari, and Ratnesh Kumar Raj Singh. "Modeling and Optimization of HAZ Characteristics for Submerged Arc Welded High Strength Pipeline Steel." <i>Transactions of the Indian Institute of Metals</i> 72, no. 2 (2019): 439-454.	1.176
78.	Singh, Rajmeet, and Tarun Kumar Bera. "Fuzzy Logic Controller for Obstacle Avoidance of Mobile Robot." <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> 20, no. 1 (2019): 51-62.	1.162
79.	Somani, Nalin, Y. K. Tyagi, Parveen Kumar, Vineet Srivastava, and Hiralal Bhowmick. "Enhanced tribological properties of SiC reinforced copper metal matrix composites." <i>Materials Research Express</i> 6, no. 1 (2018): 016549.	1.151
80.	Grover, Vishwas, and Anant Kumar Singh. "Modeling of surface roughness in the magnetorheological cylindrical finishing process." <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> 233, no. 1 (2019): 104-117.	1.126
81.	Narayan, Jyotindra, Ekta Singla, Sanjeev Soni, and Ashish Singla. "Adaptive neuro-fuzzy inference system-based path planning of 5-degrees-of-freedom spatial manipulator for medical applications." <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> 232, no. 7 (2018): 726-732.	1.124
82.	Khullar, Vikrant, Prashant Mahendra, and Madhup Mittal. "Applicability OF Heat Mirrors in Reducing Thermal Losses in Concentrating Solar Collectors." <i>Journal of Thermal Science and Engineering Applications</i> 10, no. 6 (2018).	1.115
83.	Jain, Deepak, Harpreet Sekhon, Tarun Kumar Bera, and Rajat Jain. "Comparison of different hydrophobic treatments for the durability improvement of palmyra natural fiber composites under hydrothermal ageing environments." <i>Journal of Natural Fibers</i> (2019): 1-15.	1.07
84.	Sharma, Ankit, Vivek Jain, and Dheeraj Gupta. "Comparative analysis of chipping mechanics of float glass during rotary ultrasonic drilling and conventional drilling: For multi-shaped tools." <i>Machining Science and Technology</i> 23, no. 4 (2019): 547-568.	1.053
85.	Negi, Alok, Gagandeep Bhardwaj, JS Saini, and Neeraj Grover. "Crack Growth Analysis of Carbon Nanotube Reinforced Polymer Nanocomposite Using Extended Finite Element Method." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 233, no. 5 (March 2019): 1750-70.	0.996
86.	Singh, Kulwinder, J. S. Saini, H. Bhunia, and Jaspreet Singh. "Investigations to increase the failure load for joints in glass epoxy	0.996

	composites." <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> 233, no. 6 (2019): 2074-2090.	
87.	Singh, Rajmeet, and Tarun Kumar Bera. "Fault detection, isolation and reconfiguration of a bipedal-legged robot." <i>Simulation</i> 95, no. 10 (2019): 955-977.	0.94
88.	Soharu, G., R. Singh, and T. K. Bera. "Bond Graph Modelling and Simulation of Planar Quadruple Robot with Different Gaits." <i>Arabian Journal for Science and Engineering</i> 44, no. 9 (2019): 7385-7397.	0.865
89.	Lal, Sohan, and S. K. Mohapatra. "A feasibility study to utilize kitchen waste for power generation in urban areas using CI engine." <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> (2019): 1-9.	0.555
90.	Rosha, Pali, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir. "Hydrogen enrichment of biogas via dry and autothermal-dry reforming with pure nickel (Ni) nanoparticle." <i>Energy</i> 172 (2019): 733-739.	
91.	Singh, Jashanpreet, Satish Kumar, and S. K. Mohapatra. "Erosion wear performance of Ni-Cr-O and NiCrBSiFe-WC (Co) composite coatings deposited by HVOF technique." <i>Industrial Lubrication and Tribology</i> (2019).	
92.	Singh, Jashanpreet, Satish Kumar, and S. K. Mohapatra. "Tribological performance of Yttrium (III) and Zirconium (IV) ceramics reinforced WC-10Co4Cr cermet powder HVOF thermally sprayed on X2CrNiMo-17-12-2 steel." <i>Ceramics International</i> 45, no. 17 (2019): 23126-23142.	
93.	Arora, R., and T. K. Bera. "Trajectory tracking of 3D hybrid manipulator through human hand motion." <i>Arabian Journal for Science and Engineering</i> 44, no. 2 (2019): 935-947.	
94.	Sharma, Atul Kumar, R. K. Godara, and M. M. Joglekar. "Static and DC dynamic pull-in analysis of curled microcantilevers with a compliant support." <i>Microsystem Technologies</i> 25, no. 3 (2019): 965-975.	