

Scopus Publications by the Faculty Members
Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi, India

Prof. Zahid Akhtar Khan (Head)								
S. No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1.	Ahmad S., Khan J., Khan Z.A., Asjad M.	A comparative assessment of Conventional and Rough-Based Multi-Criteria methods for failure mode and effects analysis of Root canal treatment	2023	Decision Analytics Journal	6			
2.	Koli Y., Arora S., Ahmad S., Priya, Yuvaraj N., Khan Z.A.	Investigations and Multi-response Optimization of Wire Arc Additive Manufacturing Cold Metal Transfer Process Parameters for Fabrication of SS308L Samples	2023	Journal of Materials Engineering and Performance	32	5	2463	2475
3.	Equbal A., Ahmad S., Badruddin I.A., Khan Z.A., Kamangar S., Javed S.	Evaluating machining performance of acrylonitrile-butadiene-styrene (ABS) based electrical discharge machining (EDM) electrodes fabricated by fused deposition modelling (FDM) followed by a novel metallization method	2023	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture				
4.	Sharma G., Ahmad S., Mallick Z., Khan Z.A., James A.T., Asjad M.	Risk Factors Assessment of Musculoskeletal Disorders among Professional Vehicle	2022	Mathematics	10	23		

	Badrudin I.A., Kamangar S., Javed S., Mohammed A.A., Ahammad N.A.	Drivers in India Using an Ordinal Priority Approach						
5.	Jain V.K., Yadav M.K., Siddiquee A.N., Khan Z.A., Sharma C.	Synthesis of Fe–Al Intermetallic by Mechanical Alloying Process	2022	Journal of The Institution of Engineers (India): Series D	103	2	621	628
6.	Equbal A., Equbal M.A., Equbal M.I., Ravindrannair P., Khan Z.A., Badruddin I.A., Kamangar S., Tirth V., Javed S., Kittur M.I.	Evaluating CNC Milling Performance for Machining AISI 316 Stainless Steel with Carbide Cutting Tool Insert	2022	Materials	15	22		
7.	Sharma G., Mallick Z., Ahmad S., Khan Z.A., James A.T., Asjad M.	An integrated multi-criteria decision-making approach for estimating the importance of the cognitive function impairment risk factors	2022	Decision Analytics Journal	4			
8.	Alam M.N., Siddiquee A.N., Khan Z.A., Khan N.Z.	A comprehensive review on wire EDM performance evaluation	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	4	1724	1746
9.	Sood A.K., Equbal A., Khan Z.A., Badruddin I.A., Hussien M.	FEM-Based Simulative Study for Multi-Response Optimization of Powder Bed Fusion Process	2022	Mathematics	10	14		
10.	Equbal A., Ali M., Equbal M.A., Srivastava S.C., Khan Z.A., Equbal M.I., Badruddin I.A., El-	Characteristics of Conventional and Microwave Sintered Iron Ore Preform	2022	Materials	15	7		

	Hady K.M., Kamangar S.							
11.	Khan N.Z., Siddiquee A.N., Khan Z.A., Badruddin I.A., Kamangar S., Maqbool A.	Improvement in joint efficiency with high productivity and narrow weld formation in friction stir welding	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	2	383	393
12.	Khan S.A., Siddiqui M.A., Khan Z.A., Asjad M., Husain S.	Numerical investigation and implementation of the Taguchi based entropy-ROV method for optimization of the operating and geometrical parameters during natural convection of hybrid nanofluid in annuli	2022	International Journal of Thermal Sciences	172			
13.	Ahmad T., Khan N.Z., Mohsin Khan M., Lone N.F., Siddiquee A.N., Ahmad B., Ahmad S., Khan Z.A., Shahid Ul Islam S.	Fabrication and machinability study of Zn-Al-TiC composite using wire EDM with different dielectric media	2022	Advances in Materials and Processing Technologies				
14.	Ansari T.S., Khan N.Z., Maqbool A., Khan Z.A., Attri R.	Ranking model for human seating comfort factors in automobiles: a best worst approach	2022	International Journal of Services and Operations Management	42	3	353	378
15.	Sharma A., Khan Z.A., Siddiquee A.N.	A short review of the effect of plunge depth on friction stir welding of aluminium pipes	2022	Materials Today: Proceedings	64		1504	1506
16.	Ahmad S., Ali M., Khan Z.A., Asjad M.	Investigating the effect of input variables on the performance of FMS followed by multi-response optimization: A simulation study	2022	Materials Today: Proceedings	64		1500	1503

17.	Sharma A., Khan Z.A., Siddiquee A.N.	Review of various methods of keyhole removal in friction stir welding sheets and pipes	2022	Materials Today: Proceedings	62		404	409
18.	Rahman M.Z., Siddiquee A.N., Khan Z.A., Ahmad S.	Multi-response optimization of FSP parameters on mechanical properties of surface composite	2022	Materials Today: Proceedings	62		5	8
19.	Jain V.K., Yadav M.K., Siddiquee A.N., Khan Z.A.	Fabrication of surface composites on different aluminium alloys via friction stir process - A review report	2022	Australian Journal of Mechanical Engineering				
20.	Mufazzal S., Khan N.Z., Muzakkir S.M., Siddiquee A.N., Khan Z.A.	A new fuzzy multi-criteria decision-making method based on proximity index value	2022	Journal of Industrial and Production Engineering	39	1	42	58
21.	Prakash B., Yasin M.Y., Khan A.H., Asjad M., Khan Z.A.	Optimal location and geometry of sensors and actuators for active vibration control of smart composite beams	2022	Australian Journal of Mechanical Engineering	20	4	981	999
22.	Rahman M.Z., Khan Z.A., Siddiquee A.N., Abidi M.H., Aboudaif M.K., Al-Ahmari A.	Mechanical and microstructural characterization of Ti-SiC reinforced AA5083 surface composites fabricated via friction stir process	2021	Materials Research Express	8	12		
23.	Equbal A., Equbal A., Khan Z.A., Badruddin I.A., Bashir M.B.A., Alrobei H.	Investigating the dimensional accuracy of the cavity produced by abs p400 polymer-based novel edm electrode	2021	Polymers	13	23		
24.	Equbal A., Sood A.K., Equbal M.I., Badruddin I.A., Khan Z.A.	RSM based investigation of compressive properties of FDM fabricated part	2021	CIRP Journal of Manufacturing Science and Technology	35		701	714

25.	Yadav M.K., Siddiquee A.N., Khan Z.A.	Characterization of Ti–Al Intermetallic Synthesized by Mechanical Alloying Process	2021	Metals and Materials International	27	7	2378	2386
26.	Ur Rahman W., Yahya S.M., Khan Z.A., Khan N.A., Halder G., Dhawane S.H.	Valorization of waste chicken egg shells towards synthesis of heterogeneous catalyst for biodiesel production: Optimization and statistical analysis	2021	Environmental Technology and Innovation	22			
27.	Mufazzal S., Masood S., Khan N.Z., Muzakkir S.M., Khan Z.A.	Towards minimization of overall inconsistency involved in criteria weights for improved decision making	2021	Applied Soft Computing	100			
28.	Ahmad S., Khan Z.A., Ali M., Asjad M.	Geometric and Harmonic means based priority dispatching rules for single machine scheduling problems	2021	International Journal of Production Management and Engineering	9	2	93	102
29.	Attri R., Khan N.Z., Siddiquee A.N., Khan Z.A.	Analysing the barriers to successful implementation of total quality management in Indian manufacturing organisations using best-worst method	2021	International Journal of Business Excellence	24	2	275	294
30.	Wahid M.A., Goel P., Khan Z.A., Agarwal K.M., Hasan Khan E.	Underwater Friction Stir Welding of AA6082-T6: Thermal Analysis	2021	Lecture Notes in Mechanical Engineering	365	375		
31.	Gani A., Asjad M., Talib F., Khan Z.A., Siddiquee A.N.	Identification, ranking and prioritisation of vital environmental sustainability indicators in manufacturing sector using pareto analysis cum best-worst method	2021	International Journal of Sustainable Engineering	14	3	226	244

32.	Alam M.N., Siddiquee A.N., Khan Z.A.	Experimental Studies on Machining of SiC Under Different Assisted Electrode Conditions Using WEDM	2021	Lecture Notes in Mechanical Engineering	313	318		
33.	Ahmad S., Ali M., Khan Z.A.	A Simulation-Based Study for Multi-response Optimization of FMS Performance Measures Using Combined Grey Relational and Principal Component Analyses	2021	Lecture Notes in Mechanical Engineering	275	281		
34.	Ahmad S., Akber A., Khan Z.A., Ali M.	Selection of Best Dispatching Rule for Job Sequencing Using Combined Best–Worst and Proximity Index Value Methods	2021	Lecture Notes in Mechanical Engineering	783	792		
35.	Alam M.N., Khan Z.A., Siddiquee A.N.	A Hybrid Multi-criteria Decision-Making Approach for Selection of Sustainable Dielectric Fluid for Electric Discharge Machining Process	2021	Lecture Notes in Mechanical Engineering	519	527		
36.	Chaudhary T., Siddiquee A.N., Chanda A.K., Ahmad S., Badruddin I.A., Khan Z.A.	Multiple response optimization of dimensional accuracy of nimonic alloy miniature gear machined on wire Edm using entropy topsis andpareto anova	2021	CMES - Computer Modeling in Engineering and Sciences	126	1	241	259
37.	Singh A., Asjad M., Gupta P., Khan Z.A., Siddiquee A.N.	Measuring the Relative Importance of Reconfigurable Manufacturing System (RMS) Using Best–Worst Method (BWM)	2021	Lecture Notes in Mechanical Engineering	253	275		
38.	Khan N.Z., Shihab S.K., Attri R.,	Prioritization of lower back pain risk factors among industrial	2021	International Journal of Occupational Safety and Ergonomics	27	2	544	551

	Siddiquee A.N., Khan Z.A.	workers using the best–worst method						
39.	Mehat N.M., Zainuddin M.A., Kamaruddin S., Khan Z.A.	OPTIMIZATION OF MULTI FACTORS FOR INJECTION-MOULDED MICRO GEAR VIA NUMERICAL SIMULATION INTEGRATED WITH THE TAGUCHI METHOD AND PRINCIPAL COMPONENT ANALYSIS	2020	Journal of Advanced Manufacturing Technology	14	2	43	56
40.	Wakeel S., Ahmad S., Bingol S., Bashir M.N., Pacal T.C., Khan Z.A.	Supplier Selection for High Temperature Die Attach by hybrid Entropy-Range of Value MCDM Technique: A Semiconductor Industry	2020	2020 21st International Conference on Electronic Packaging Technology, ICEPT 2020	9202994			
41.	Equbal A., Shamim M., Badruddin I.A., Equbal M.I., Sood A.K., Ghazali N.N.N., Khan Z.A.	Application of the combined ANN and GA for multi-response optimization of cutting parameters for the turning of glass fiber-reinforced polymer composites	2020	Mathematics	8	6		
42.	Qeays I.A., Yahya S.M., Asjad M., Khan Z.A.	Multi-performance optimization of nanofluid cooled hybrid photovoltaic thermal system using fuzzy integrated methodology	2020	Journal of Cleaner Production	256			
43.	Wahid M.A., Siddiquee A.N., Khan Z.A.	Aluminum alloys in marine construction: characteristics, application, and problems from a fabrication viewpoint	2020	Marine Systems and Ocean Technology	15	1	70	80

44.	Varshney A., Khan A.H., Yasin M.Y., Khan Z.A., Asjad M.	On the optimal dynamic design of laminated composite folded plates: a multi-criteria decision analysis	2020	Multidiscipline Modeling in Materials and Structures	16	2	322	339
45.	Khan N.Z., Maqbool A., Ahmad T., Siddiquee A.N., Khan Z.A.	Fracture behaviour of friction stir welded dissimilar aluminium alloys	2020	Materials Today: Proceedings	46		6688	6691
46.	Jain V.K., Yadav M.K., Saxena A., Siddiquee A.N., Khan Z.A.	Effect of tool rotational speed on microstructure and mechanical properties of friction stir processed AA5083/Fe-Al in-situ composite	2020	Materials Today: Proceedings	46		6496	6500
47.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Taguchi based grey relational analysis for multi response optimisation of diesel engine performance and emission parameters	2020	International Journal of Heavy Vehicle Systems	27	4	441	460
48.	Attri R., Khan N.Z., Siddiquee A.N., Khan Z.A.	Quantifying the factors affecting the 5S implementation in manufacturing organisations using graph theory and matrix method	2020	International Journal of Services and Operations Management	37	1	90	113
49.	Ali M., Anjum S., Siddiquee A.N., Khan Z.A., Chen X., Konovalov S., Anjum A., Shakeel S., Ibrahim H.	Defect formation during dissimilar aluminium friction stir welded T-joints	2020	Mechanics and Industry	21	2		
50.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	A road map for the implementation of integrated JIT-lean practices in Indian	2020	Journal of Industrial and Production Engineering	275	291		

		manufacturing industries using the best-worst method approach						
51.	Ishrat S.I., Javaid S., Siddiquee A.N., Khan Z.A.	Optimization of the pod manufacturing process parameters using the Taguchi method	2020	Proceedings of the 2016 Industrial and Systems Engineering Research Conference, ISERC 2016	1022	1027		
52.	Attri R., Ashishpal, Khan N.Z., Siddiquee A.N., Khan Z.A.	ISM-MICMAC approach for evaluating the critical success factors of 5S implementation in manufacturing organisations	2020	International Journal of Business Excellence	20	4	521	548
53.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Optimal design of flux for submerged arc weld properties based on RSM coupled with GRA and PCA	2020	International Journal of Manufacturing Technology and Management	34	1	97	109
54.	Seraj M., Yahya S.M., Badruddin I.A., Anqi A.E., Asjad M., Khan Z.A.	Multi-response optimization of nanofluid-based I. C. engine cooling system using fuzzy PIV method	2020	Processes	8	1		
55.	Wahid M.A., Masood S., Khan Z.A., Siddiquee A.N., Badruddin I.A., Algahtani A.	A simulation-based study on the effect of underwater friction stir welding process parameters using different evolutionary optimization algorithms	2020	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	234	2	643	657
56.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	Ranking model of total quality management enablers in healthcare establishments using the best-worst method	2019	TQM Journal	31	5	790	814
57.	Ishrat S.I., Khan Z.A., Siddiquee A.N., Badruddin I.A., Algahtani A., Javaid S., Gupta R.	Optimising parameters for expanded polystyrene based pod production using Taguchi method	2019	Mathematics	7	9		

58.	Sharma N., Khan Z.A., Siddiquee A.N., Wahid M.A.	Multi-response optimization of friction stir welding process parameters for dissimilar joining of Al6101 to pure copper using standard deviation based TOPSIS method	2019	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	233	18	6473	6482
59.	Jie Y.J., Kamaruddin S., Mustapha M., Siddiquee A.N., Al-Ahmari A., Khan Z.A., Abidi M.H., Gangil N.	Reclamation of steel shots by acid leaching for powder metallurgy applications	2019	Advances in Mechanical Engineering	11	7		
60.	Khan N.Z., Ansari T.S.A., Siddiquee A.N., Khan Z.A.	Selection of E-learning websites using a novel Proximity Indexed Value (PIV) MCDM method	2019	Journal of Computers in Education	6	2	241	256
61.	Yahya S.M., Asjad M., Khan Z.A.	Multi-response optimization of TiO ₂ /EG-water nano-coolant using entropy based preference indexed value (PIV) method	2019	Materials Research Express	6	8		
62.	Khan N.Z., Bajaj D., Siddiquee A.N., Khan Z.A., Abidi M.H., Umer U., Alkhalefah H.	Investigation on effect of strain rate and heat generation on traverse force in FSW of dissimilar aerospace grade aluminium alloys	2019	Materials	12	10		
63.	Wahid M.A., Khan Z.A., Siddiquee A.N., Shandley R., Sharma N.	Analysis of process parameters effects on underwater friction stir welding of aluminum alloy 6082-T6	2019	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	233	6	1700	1710
64.	Goel P., Khan N.Z., Khan Z.A., Ahmari A., Gangil N., Abidi M.H., Siddiquee A.N.	Investigation on material mixing during FSW of AA7475 to AISI304	2019	Materials and Manufacturing Processes	34	2	192	200

65.	Goel P., Mohd A.W., Sharma N., Siddiquee A.N., Khan Z.A.	Effects of welding parameters in friction stir welding of stainless steel and aluminum	2019	Lecture Notes in Mechanical Engineering	815	823		
66.	Sharma N., Goel P., Wahid M.A., Khan Z.A., Noor Siddiquee A.	Optimization of FSW process parameters during joining of Al to Cu using taguchi-based GA	2019	Lecture Notes in Mechanical Engineering	833	842		
67.	Wahid M.A., Sharma N., Goel P., Khan Z.A., Siddiquee A.N.	Temperature and traverse force analysis during underwater friction stir welding	2019	Lecture Notes in Mechanical Engineering	41	49		
68.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Application of the Taguchi based entropy weighted TOPSIS method for optimisation of diesel engine performance and emission parameters	2019	International Journal of Heavy Vehicle Systems	26	1	69	94
69.	Latif R., Wakeel S., Khan N.Z., Noor Siddiquee A., Lal Verma S., Akhtar Khan Z.	Surface treatments of plant fibers and their effects on mechanical properties of fiber-reinforced composites: A review	2019	Journal of Reinforced Plastics and Composites	38	1	15	30
70.	Wahid M.A., Siddiquee A.N., Khan Z.A., Majeed T., Sharma N.	Friction stir welding of AA-5754 in water and air: A comparative study	2019	Materials Research Express	6	1		
71.	Khan N.Z., Siddiquee A.N., Khan Z.A.	Proposing a new relation for selecting tool pin length in friction stir welding process	2018	Measurement: Journal of the International Measurement Confederation	129		112	118
72.	Lal S., Kumar S., Khan Z.A.	Microstructure evaluation, thermal and mechanical characterization of hybrid metal matrix composite	2018	IEEE Journal of Selected Topics in Quantum Electronics	25	6	1187	1196

73.	Yadav M.K., Siddiquee A.N., Khan Z.A.	Fabrication of promising material 'titanium aluminide': methods and issues (a status report)	2018	Materials Research Express	5	11		
74.	Khan N.Z., Siddiquee A.N., Khan Z.A., Ubaid M., Bajaj D., Atif M., Khan A.	Microstructure evolution of Friction Stir Welded Dissimilar Aerospace Aluminium Alloys	2018	IOP Conference Series: Materials Science and Engineering	404	1		
75.	Sharma N., Siddiquee A.N., Khan Z.A., Mohammed M.T.	Material stirring during FSW of Al-Cu: Effect of pin profile	2018	Materials and Manufacturing Processes	33	7	786	794
76.	Khan N.Z., Ubaid M., Siddiquee A.N., Khan Z.A., Al-Ahmari A., Chen X., Abidi M.H.	Microstructural features of friction stir welded dissimilar Aluminium alloys AA2219- AA7475	2018	Materials Research Express	5	5		
77.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Optimization of diesel engine input parameters for reducing hydrocarbon emission and smoke opacity using Taguchi method and analysis of variance	2018	Energy and Environment	29	3	410	431
78.	Sharma N., Khan Z.A., Siddiquee A.N., Shihab S.K., Wahid M.A.	Effect of process parameters on microstructure and electrical conductivity during FSW of Al- 6101 and Pure Copper	2018	Materials Research Express	5	4		
79.	Wahid M.A., Siddiquee A.N., Khan Z.A., Sharma N.	Analysis of cooling media effects on microstructure and mechanical properties during FSW/UFSW of AA 6082-T6	2018	Materials Research Express	5	4		
80.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Experimental study on effect of flux composition on element transfer during submerged arc welding	2018	Sadhana - Academy Proceedings in Engineering Sciences	43	2		

81.	WAHID M.A., KHAN Z.A., SIDDIQUEE A.N.	Review on underwater friction stir welding: A variant of friction stir welding with great potential of improving joint properties	2018	Transactions of Nonferrous Metals Society of China (English Edition)	28	2	193	219
82.	Goel P., Siddiquee A.N., Khan N.Z., Hussain M.A., Khan Z.A., Abidi M.H., Al-Ahmari A.	Investigation on the effect of tool pin profiles on mechanical and microstructural properties of friction stir butt and scarf welded aluminium alloy 6063	2018	Metals	8	1		
83.	Khan N.Z., Siddiquee A.N., Khan Z.A., Bajaj D., Ubaid M.	Understanding the dissimilar friction stir welding through force and temperature evolution	2018	Materials Today: Proceedings	5	9	17125	17131
84.	Chaudhary T., Siddiquee A.N., Chanda A.K., Khan Z.A.	On micromachining with a focus on miniature gears by non conventional processes: A status report	2018	Archive of Mechanical Engineering	65	1	129	169
85.	Azmal Hussain M., Zaman Khan N., Noor Siddiquee A., Akhtar Khan Z.	Effect of Different Tool Pin Profiles on the Joint Quality of Friction Stir Welded AA 6063	2018	Materials Today: Proceedings	5	2	4175	4182
86.	Shihab S.K., Khan N.Z., Myla P., Upadhyay S., Khan Z.A., Siddiquee A.N.	Application of MOORA method for multi optimization of GMAW process parameters in stainless steel cladding	2018	Management Science Letters	8	4	241	246
87.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Taguchi-based combined grey relational and principal component analyses for multi-response optimization of diesel engines	2017	Grey Systems	7	3	408	425
88.	SHARMA N., KHAN Z.A., SIDDIQUEE A.N.	Friction stir welding of aluminum to copper—An overview	2017	Transactions of Nonferrous Metals Society of China (English Edition)	27	10	2113	2136

89.	KHAN N.Z., KHAN Z.A., SIDDIQUEE A.N., AL-AHMARI A.M., ABIDI M.H.	Analysis of defects in clean fabrication process of friction stir welding	2017	Transactions of Nonferrous Metals Society of China (English Edition)	27	7	1507	1516
90.	Khan N.Z., Siddiquee A.N., Khan Z.A.	Friction stir welding: Dissimilar aluminum alloys	2017	Friction Stir Welding: Dissimilar Aluminium Alloys	1	168		
91.	Mohammed M.T., Khan Z.A.	Investigations on the Biomechanical Compatibility of a Novel Titanium Alloy	2017	Materials Today: Proceedings	4	9	10432	10436
92.	Siddiquie R.Y., Khan Z.A., Siddiquee A.N.	Prioritizing decision criteria of flexible manufacturing systems using fuzzy TOPSIS	2017	Journal of Manufacturing Technology Management	28	7	913	927
93.	Khan N.Z., Siddiquee A.N., Khan Z.A., Mukhopadhyay A.K.	Mechanical and microstructural behavior of friction stir welded similar and dissimilar sheets of AA2219 and AA7475 aluminium alloys	2017	Journal of Alloys and Compounds	695		2902	2908
94.	Niharika, Agrawal B.P., Khan I.A., Khan Z.A.	Effects of Cutting Parameters on Quality of Surface Produced by Machining of Titanium Alloy and Their Optimization	2016	Archive of Mechanical Engineering	63	4	531	548
95.	Wahid M.A., Siddiquee A.N., Khan Z.A., Asjad M.	Friction Stir Welds of Al Alloy-Cu: An Investigation on Effect of Plunge Depth	2016	Archive of Mechanical Engineering	63	4	619	634
96.	Singh B., Khan Z.A., Siddiquee A.N., Maheswari S., Sharma S.K.	Effect of Flux Composition on the Percentage Elongation and Tensile Strength of Welds in Submerged Arc Welding	2016	Archive of Mechanical Engineering	63	3	337	354
97.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Effect of CaF ₂ , FeMn and NiO additions on impact strength and hardness in submerged arc	2016	Journal of Alloys and Compounds	667		158	169

		welding using developed agglomerated fluxes						
98.	Shihab S.K., Khan Z.A., Siddiquee A.N., Khan N.Z.	A Novel Approach to Enhance Performance of Multilayer Coated Carbide Insert in Hard Turning	2015	Archive of Mechanical Engineering	62	4	539	552
99.	Mohammed M.T., Khan Z.A., Manivasagam G., Siddiquee A.N.	Influence of thermomechanical processing on biomechanical compatibility and electrochemical behavior of new near beta alloy, Ti-20.6Nb-13.6Zr-0.5V	2015	International Journal of Nanomedicine	10		223	235
100.	Khan N.Z., Siddiquee A.N., Khan Z.A., Shihab S.K.	Investigations on tunneling and kissing bond defects in FSW joints for dissimilar aluminum alloys	2015	Journal of Alloys and Compounds	648		360	367
101.	Mohammed M.T., Khan Z.A., Geetha M., Siddiquee A.N.	Microstructure, mechanical properties and electrochemical behavior of a novel biomedical titanium alloy subjected to thermo-mechanical processing including aging	2015	Journal of Alloys and Compounds	634		272	280
102.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Optimization of wire electrical discharge machining process parameters on material removal rate for Al7075/SiC/Alhybrid composite	2015	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	229	5	802	812
103.	Mohammed M.T., Khan Z.A., Geetha M.	Effect of thermo-mechanical processing on microstructure and electrochemical behavior of Ti-Nb-Zr-V new metastable β titanium biomedical alloy	2015	Transactions of Nonferrous Metals Society of China (English Edition)	25	3	759	769

104.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Multi-response optimization of wire electrical discharge machining process parameters for Al7075/Al2O3/SiC hybrid composite using Taguchi-based grey relational analysis	2015	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	229	2	229	237
105.	Mohammed M.T., Khan Z.A., Geetha M., Siddiquee A.N., Mishra P.	Influence of thermo-mechanical processing on microstructure, mechanical properties and corrosion behavior of a new metastable β -titanium biomedical alloy	2015	Bulletin of Materials Science	38	1	247	258
106.	Khan Z.A., Shihab S.K., Siddiquee A.N.	Analysis of chip morphology in dry hard turning of AISI 52100 alloy steel using RSM	2015	International Journal of Machining and Machinability of Materials	17	6	481	506
107.	Khan N.Z., Khan Z.A., Siddiquee A.N.	Effect of Shoulder Diameter to Pin Diameter (D/d) Ratio on Tensile Strength of Friction Stir Welded 6063 Aluminium Alloy	2015	Materials Today: Proceedings	2	04-May	1450	1457
108.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	Optimization of surface integrity in dry hard turning using RSM	2014	Sadhana - Academy Proceedings in Engineering Sciences	39	5	1035	1053
109.	Khan N.Z., Khan Z.A., Siddiquee A.N., Chanda A.K.	Investigations on the effect of wire EDM process parameters on surface integrity of HSLA: a multi-performance characteristics optimization	2014	Production and Manufacturing Research	2	1	501	518
110.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	A review of turning of hard steels used in bearing and automotive applications	2014	Production and Manufacturing Research	2	1	24	49

111.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	Investigation of surface integrity during wet turning of hard alloy steel	2014	International Journal of Machining and Machinability of Materials	16	1	22	37
112.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	An investigation on effects of wire electrical discharge machining parameters on surface roughness of newly developed hybrid metal matrix composite	2014	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	228	5	653	662
113.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Wire electrical discharge machining of AA7075/SiC/Al ₂ O ₃ hybrid composite fabricated by inert gas-assisted electromagnetic stir-casting process	2014	Journal of the Brazilian Society of Mechanical Sciences and Engineering	36	2	335	346
114.	Kamaruddin S., Khan Z.A., Siddiquee A.N., Wong Y.-S.	The impact of variety of orders and different number of workers on production scheduling performance A simulation approach	2013	Journal of Manufacturing Technology Management	24	8	1123	1142
115.	Siddiquee A.N., Khan Z.A., Tomar J.S.	Investigation and optimisation of machining parameters for micro-countersinking of AISI 420 stainless steel	2013	International Journal of Machining and Machinability of Materials	14	3	230	256
116.	Goel P., Khan Z.A., Siddiquee A.N., Kamaruddin S., Gupta R.K.	Influence of slab milling process parameters on surface integrity of HSLA: A multi-performance characteristics optimization	2012	International Journal of Advanced Manufacturing Technology	61	09-Dec	859	871
117.	Khan Z.A., Siddiquee A.N., Kamaruddin S.	Optimization of in-feed centreless cylindrical grinding process parameters using grey relational analysis	2012	Pertanika Journal of Science and Technology	20	2	257	268

118.	Mohammed M.T., Khan Z.A., Siddiquee A.N.	Influence of thermal and thermo- mechanical treatments on mechanical compatibility of biomedical titanium alloys: A review	2012	International Review of Mechanical Engineering	6	7	1388	1401
119.	Khan Z.A., Siddiquee A.N., Sheikh M.H.	Selection of optimal condition for finishing of centreless- cylindrical ground parts using grey relational and principal component analyses	2012	International Journal of Materials and Product Technology	43	01-Apr	2	21
120.	Karnwal A., Hasan M.M., Kumar N., Siddiquee A.N., Khan Z.A.	Multi-response optimization of diesel engine performance parameters using thumba biodiesel-diesel blends by applying the Taguchi method and grey relational analysis	2011	International Journal of Automotive Technology	12	4	599	610
121.	Ng C.F., Kamaruddin S., Siddiquee A.N., Khan Z.A.	Experimental investigation on the recycled hdpe and optimization of injection moulding process parameters via taguchi method	2011	International Journal of Mechanical and Materials Engineering	6	1	81	91
122.	Kamaruddin S., Boon K.-W., Khan Z.A., Siddiquee A.N.	Assembly line conversion approach: A simulation evaluation	2011	International Journal of Agile Systems and Management	4	4	342	363
123.	Kamaruddin S., Khoo S.Y., Khan Z.A., Siddiquee A.N.	The effect of layout design on productivity: An empirical study	2011	International Journal of Productivity and Quality Management	7	4	484	500
124.	Kamaruddin S., Beng S.C., Khan Z.A.	Ergonomic Design of a Computer Keyboard Layout for the Jawi Script	2010	Pertanika Journal of Science and Technology	18	2	271	292

125.	Khan Z.A., Kamaruddin S., Siddiquee A.N.	Feasibility study of use of recycled High Density Polyethylene and multi response optimization of injection moulding parameters using combined grey relational and principal component analyses	2010	Materials and Design	31	6	2925	2931
126.	Siddiquee A.N., Khan Z.A., Mallick Z.	Grey relational analysis coupled with principal component analysis for optimisation design of the process parameters in in-feed centreless cylindrical grinding	2010	International Journal of Advanced Manufacturing Technology	46	09-Dec	983	992
127.	Khan Z.A., Rizvi S.A.H.	A study on the effects of human age, type of computer and noise on operators' performance of a data entry task	2010	International Journal of Occupational Safety and Ergonomics	16	4	455	463
128.	Khan Z.A., Al-Darrab I.A.	Taguchi techniques-based study on the effect of mobile phone conversation on drivers' reaction time	2010	International Journal of Quality and Reliability Management	27	1	63	77
129.	Al-Darrab I.A., Khan Z.A., Ishrat S.I.	An experimental study on the effect of mobile phone conversation on drivers' reaction time in braking response	2009	Journal of Safety Research	40	3	185	189
130.	Al-Darrab I.A., Khan Z.A., Zytoon M.A., Ishrat S.I.	Application of the taguchi method for optimization of parameters to maximize text message entering performance of mobile phone users	2009	International Journal of Quality and Reliability Management	26	5	469	479
131.	Al-Darrab I.A., Khan Z.A., Ishrat S.I.	Determination of optimum level of factors for producing high-	2009	Journal of Culinary Science and Technology	7	02-Mar	105	118

		quality biscuits using the Taguchi method						
132.	Suhail A., Khan Z.A.	Fuzzy production control with limited resources and response delay	2009	Computers and Industrial Engineering	56	1	433	443
133.	Al-Darrab I.A., Rizvi S.A.H., Khan Z.A., Ishrat S.I.	Nanotechnology centres of higher education: Trends and challenges	2009	International Journal of Nanoparticles	2	01-Jun	522	533
134.	Ahmed Khan I., Mallick Z., Khan Z.A., Muzammil M.	A study on the combined effect of noise and vibration on the performance of a readability task in a mobile driving environment by operators of different ages	2009	International Journal of Occupational Safety and Ergonomics	15	3	277	286
135.	Hasan Rizvi S.A., Khan Z.A., Ishrat S.	Nanotechnology within the framework of human factors engineering with special reference to developing countries like Saudi Arabia	2009	International Journal of Nanomanufacturing	4	01-Apr	300	307
136.	Khan Z.A., Rizvi S.A.H.	A study on the effect of human laterality, type of computer and noise on operators' performance of a data entry task	2009	International Journal of Occupational Safety and Ergonomics	15	1	53	60
137.	Khaleed Hussain M.T., Samad Z., Suhaib S., Uthman A.R., Jagirdar S.A., Badruddin I.A., Mallick Z., Khan Z.A., Quadir G.A.	Analysis of stress concentration factor in bolted joint using finite element method	2008	International Journal of Mechanical and Materials Engineering	3	1	38	46
138.	Bafail A.O., Ishrat S.I., Khan Z.A.	Optimization of hydroforming process for manufacturing of stainless steel corrugated flexible	2007	International Journal of Mechanical and Materials Engineering	2	2	173	179

		hose pipe using the Taguchi method						
139.	Badruddin I.A., Zainal Z.A., Khan Z.A., Mallick Z.	Effect of viscous dissipation and radiation on natural convection in a porous medium embedded within vertical annulus	2007	International Journal of Thermal Sciences	46	3	221	227
140.	Jamil M., Popov V., Ahmed S., Khan Z.A.	Management of electricity generation using the Taguchi approach	2007	WIT Transactions on Ecology and the Environment	105		13	23
141.	Ahmed Khan I., Mallick Z., Khan Z.A.	A Study on the Combined Effect of Noise and Vibration on Operators' Performance of a Readability Task in a Mobile Driving Environment	2007	International Journal of Occupational Safety and Ergonomics	13	2	127	136
142.	Laeng J., Khan Z.A., Khu S.Y.	Optimizing flexible behaviour of bow prototype using Taguchi approach	2006	Journal of Applied Sciences	6	3	622	630
143.	Khan Z.A., Badruddin I.A., Quadir G.A., Seetharamu K.N.	A quick and accurate estimation of heat losses from a cow	2006	Biosystems Engineering	93	3	313	323
144.	Ahmad R., Kamaruddin S., Mokhtar M., Putra Almanar I., Khan Z.A.	Implementation of dust control system using management and planning toolsMPT: A case study	2006	Management of Environmental Quality: An International Journal	17	4	390	408
145.	Lee B.H., Abdullah J., Khan Z.A.	Optimization of rapid prototyping parameters for production of flexible ABS object	2005	Journal of Materials Processing Technology	169	1	54	61
146.	Gyanaprakash T., Varadharaju R., Kian Y.C., Zainal Z.A., Quadir G.A., Khan	Transient analysis of a liquid solar collector	2005	Renewable Energy	30	13	2045	2056

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147.	Suhail A., Khan Z.A.	Fuzzy control with limited control opportunities and response delay - A production-inventory control scenario	2005	International Journal of Approximate Reasoning	38	1	113	131
Prof. Abid Haleem								
1.	Rab S., Sanjid M.A., Zafer A., Haleem A., Yadav S.	A new method of optimizing the thickness of metrological surface plate using simulation analysis	2023	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	237	06-Jul	961	971
2.	Khan M.I., Khan S., Khan U., Haleem A.	Modeling the Big Data challenges in context of smart cities – an integrated fuzzy ISM-DEMATEL approach	2023	International Journal of Building Pathology and Adaptation	41	2	422	453
3.	Arshad M.O., Khan S., Haleem A., Mansoor H., Arshad M.O., Arshad M.E.	Understanding the impact of Covid-19 on Indian tourism sector through time series modelling	2023	Journal of Tourism Futures	9	1	101	115
4.	Tasneem I., Ariz A., Bharti D., Haleem A., Javaid M., Bahl S.	3D Printing Technology and its Significant Applications in the Context of Healthcare Education	2023	Journal of Industrial Integration and Management	8	1	113	130
5.	Javaid M., Haleem A., Suman R.	Digital Twin applications toward Industry 4.0: A Review	2023	Cognitive Robotics	3		71	92
6.	Khan S., Haleem A., Ngah A.H., Khan M.I.	Exploration of risks with halal logistics: a case of emerging economy	2023	Journal of Global Operations and Strategic Sourcing				

7.	Rab S., Yadav S., Haleem A., Zafer A.	Development of High-Pressure Transducer: Design, Finite Element and Experimental Analysis	2023	Mapan - Journal of Metrology Society of India				
8.	Khan S., Haleem A., Husain Z., Samson D., Pathak R.D.	Barriers to blockchain technology adoption in supply chains: the case of India	2023	Operations Management Research				
9.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Applications of nanotechnology in medical field: a brief review	2023	Global Health Journal				
10.	Haleem A., Javaid M., Singh R.P., Suman R., Khan S.	Management 4.0: Concept, applications and advancements	2023	Sustainable Operations and Computers	4		10	21
11.	Yadav S., Haleem A., Arora P.K., Kumar H.	Preface	2023	Smart Innovation, Systems and Technologies	290		v	
12.	Ashima R., Haleem A., Bahl S., Nandan D., Javaid M.	Automation of AM Via IoT Towards Implementation of e-logistics in Supply Chain for Industry 4.0	2023	Lecture Notes in Mechanical Engineering	181	189		
13.	Javaid M., Haleem A., Singh R.P., Suman R.	3D printing applications for healthcare research and development	2022	Global Health Journal	6	4	217	226
14.	Haleem A., Javaid M.	Enablers, Barriers, and Critical Success Factors for Effective Adoption of Color-Jet 3D Printing Technology	2022	Journal of Industrial Integration and Management	7	4	599	625
15.	Javaid M., Haleem A., Singh R.P., Suman R., Hussain B., Rab S.	Extensive Capabilities of Additive Manufacturing and Its Metrological Aspects	2022	Mapan - Journal of Metrology Society of India	37	4	707	720
16.	Khurana S., Luthra S., Haleem A., Kumar A., Mannan B.	Can sustainability be achieved through sustainable oriented innovation practices? Empirical	2022	Sustainable Development	30	6	1591	1615

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17.	Vaishya R., Haleem A.	Technology and orthopaedic surgeons	2022	Journal of Orthopaedics	34		414	415
18.	Khan S., Haleem A., Khan M.I.	A grey-based framework for circular supply chain management: a forward step towards sustainability	2022	Management of Environmental Quality: An International Journal	33	6	1476	1501
19.	Khan M.I., Haleem A., Khan S.	Examining the link between Halal supply chain management and sustainability	2022	International Journal of Productivity and Performance Management	71	7	2793	2819
20.	Ashima R., Haleem A., Javaid M., Rab S.	Understanding the role and capabilities of Internet of Things-enabled Additive Manufacturing through its application areas	2022	Advanced Industrial and Engineering Polymer Research	5	3	137	142
21.	Khan S., Haleem A., Fatma N.	Effective adoption of remanufacturing practices: a step towards circular economy	2022	Journal of Remanufacturing	12	2	167	185
22.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R., Kumar L., Khan I.H.	Exploring the potential of 3D scanning in Industry 4.0: An overview	2022	International Journal of Cognitive Computing in Engineering	3		161	171
23.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Khan I.H.	Evolutionary trends in progressive cloud computing based healthcare: Ideas, enablers, and barriers	2022	International Journal of Cognitive Computing in Engineering	3		124	135
24.	Haleem A., Javaid M., Goyal A., Khanam T.	Redesign of Car Body by Reverse Engineering Technique using Steinbichler 3D Scanner and Projet 3D Printer	2022	Journal of Industrial Integration and Management	7	2	171	182

25.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar L.	Significance of 4D printing for dentistry: Materials, process, and potentials	2022	Journal of Oral Biology and Craniofacial Research	12	3	388	395
26.	Haleem A., Javaid M., Singh R.P., Khan S.	Guest editorial: Industry 4.0 special issue	2022	Industrial Robot	49	3	385	
27.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Perspectives of cybersecurity for ameliorative Industry 4.0 era: a review-based framework	2022	Industrial Robot	49	3	582	597
28.	Javaid M., Haleem A., Rab S., Singh R.P., Suman R., Mohan S.	Progressive schema of 5G for Industry 4.0: features, enablers, and services	2022	Industrial Robot	49	3	527	543
29.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Khan S.	Exploring relationships between Lean 4.0 and manufacturing industry	2022	Industrial Robot	49	3	402	414
30.	Khan S., Singh R., Haleem A., Dsilva J., Ali S.S.	Exploration of Critical Success Factors of Logistics 4.0: A DEMATEL Approach	2022	Logistics	6	1		
31.	Javaid M., Haleem A., Singh R.P., Suman R.	Artificial Intelligence Applications for Industry 4.0: A Literature-Based Study	2022	Journal of Industrial Integration and Management	7	1	83	111
32.	Sharma A., Bahl S., Bagha A.K., Javaid M., Shukla D.K., Haleem A.	Blockchain technology and its applications to combat COVID-19 pandemic	2022	Research on Biomedical Engineering	38	1	173	180
33.	Irfan Ul Haq M., Khuroo S., Raina A., Khajuria S., Javaid M., Farhan Ul Haq M., Haleem A.	3D printing for development of medical equipment amidst coronavirus (COVID-19) pandemic—review and advancements	2022	Research on Biomedical Engineering	38	1	305	315
34.	Khan S., Khan M.I., Haleem A., Jami A.R.	Prioritising the risks in Halal food supply chain: an MCDM approach	2022	Journal of Islamic Marketing	13	1	45	65

35.	Khan M.I., Khan S., Haleem A.	Analysing barriers towards management of Halal supply chain: a BWM approach	2022	Journal of Islamic Marketing	13	1	66	80
36.	Kumar A., Kumar P., Singh H., Haleem A., Mittal R.K.	Integration of reverse engineering with additive manufacturing	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	43	65		
37.	Kumar A., Mittal R.K., Haleem A.	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	1	500		
38.	Shoeb M., Kumar L., Haleem A., Javaid M.	Trends in additive manufacturing: an exploratory study	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	15	25		
39.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Holography and its applications for industry 4.0: An overview	2022	Internet of Things and Cyber-Physical Systems	2		42	48
40.	Javaid M., Haleem A., Singh R.P., Khan S.	Understanding roles of virtual reality in radiology	2022	Internet of Things and Cyber-Physical Systems	2		91	98
41.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar R.	Studies on the Metrological Need and Capabilities of 3D Scanning Technologies	2022	Journal of Industrial Integration and Management				
42.	Khan S., Haleem A., Khan M.I.	Risk assessment model for halal supply chain using an integrated approach of IFN and D number	2022	Arab Gulf Journal of Scientific Research				
43.	Javaid M., Khan S., Haleem A., Rab S.	Adoption of modern technologies for implementing industry 4.0: an integrated MCDM approach	2022	Benchmarking				
44.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar L.	Utilization of Robotics for Healthcare: A Scoping Review	2022	Journal of Industrial Integration and Management				

45.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Significant applications of Cobots in the field of manufacturing	2022	Cognitive Robotics	2		222	233
46.	Javaid M., Haleem A., Khan I.H., Singh R.P., Suman R., Mohan S.	Significant Features and Applications of Drones for Healthcare: An Overview	2022	Journal of Industrial Integration and Management	2250024			
47.	Javaid M., Haleem A., Singh R.P., Rab S., Ul Haq M.I., Raina A.	Internet of Things in the global healthcare sector: Significance, applications, and barriers	2022	International Journal of Intelligent Networks	3		165	175
48.	Javaid M., Haleem A., Singh R.P., Suman R.	Enhancing smart farming through the applications of Agriculture 4.0 technologies	2022	International Journal of Intelligent Networks	3		150	164
49.	Javaid M., Haleem A., Pratap Singh R., Suman R., Rab S.	Significance of machine learning in healthcare: Features, pillars and applications	2022	International Journal of Intelligent Networks	3		58	73
50.	Haleem A., Javaid M., Asim Qadri M., Pratap Singh R., Suman R.	Artificial intelligence (AI) applications for marketing: A literature-based study	2022	International Journal of Intelligent Networks	3		119	132
51.	Haleem A., Javaid M., Pratap Singh R., Suman R.	Medical 4.0 technologies for healthcare: Features, capabilities, and applications	2022	Internet of Things and Cyber-Physical Systems	2		12	30
52.	Ammar M., Haleem A., Javaid M., Bahl S., Garg S.B., Shamoan A., Garg J.	Significant applications of smart materials and Internet of Things (IoT) in the automotive industry	2022	Materials Today: Proceedings	68		1542	1549
53.	Javaid M., Haleem A., Singh R.P., Suman R.	Enabling flexible manufacturing system (FMS) through the applications of industry 4.0 technologies	2022	Internet of Things and Cyber-Physical Systems	2		49	62
54.	Haleem A., Javaid M., Qadri M.A., Suman R.	Understanding the role of digital technologies in education: A review	2022	Sustainable Operations and Computers	3		275	285

55.	Javaid M., Haleem A., Pratap Singh R., Khan S., Suman R.	Sustainability 4.0 and its applications in the field of manufacturing	2022	Internet of Things and Cyber-Physical Systems	2		82	90
56.	Agarwal S., Suman R., Bahl S., Haleem A., Javaid M., Sharma M.K., Prakash C., Sehgal S., Singhal P.	Optimisation of cutting parameters during turning of 16MnCr5 steel using Taguchi technique	2022	International Journal on Interactive Design and Manufacturing				
57.	Shamoon A., Haleem A., Bahl S., Javaid M., Prakash C., Budhhi D.	Understanding the role of advanced materials for energy infrastructure and transmission	2022	Materials Today: Proceedings	62		4260	4266
58.	Suhaib Kamran S., Haleem A., Bahl S., Javaid M., Prakash C., Budhhi D.	Artificial intelligence and advanced materials in automotive industry: Potential applications and perspectives	2022	Materials Today: Proceedings	62		4207	4214
59.	Kumar L., Haleem A., Javaid M.	Systematic Development in Medical by Using 3D Printing Technology: A Brief Review	2022	Journal of Industrial Integration and Management				
60.	Javaid M., Haleem A., Singh R.P., Suman R., Gonzalez E.S.	Understanding the adoption of Industry 4.0 technologies in improving environmental sustainability	2022	Sustainable Operations and Computers	3		203	217
61.	Yusuf M., Zaidi A., Haleem A., Bahl S., Javaid M., Bala Garg S., Garg J.	IoT-based low-cost 3D mapping using 2D Lidar for different materials	2022	Materials Today: Proceedings	57		942	947
62.	Ammar M., Haleem A., Javaid M., Bahl S., Nandan D.	Improving the Performance of Supply Chain Through Industry 4.0 Technologies	2022	Lecture Notes in Mechanical Engineering	197	209		
63.	Qazi A.M., Mahmood S.H., Haleem A., Bahl	The impact of smart materials, digital twins (DTs) and Internet	2022	Materials Today: Proceedings	62		18	25

	S., Javaid M., Gopal K.	of things (IoT) in an industry 4.0 integrated automation industry						
64.	Shamoon A., Haleem A., Bahl S., Javaid M., Bala Garg S.	Role of energy technologies in response to climate change	2022	Materials Today: Proceedings	62		63	69
65.	Shamoon A., Haleem A., Bahl S., Javaid M., Bala Garg S., Chandmal Sharma R., Garg J.	Environmental impact of energy production and extraction of materials - a review	2022	Materials Today: Proceedings	57		936	941
66.	Fazal N., Haleem A., Bahl S., Javaid M., Nandan D.	Digital Management Systems in Manufacturing Using Industry 5.0 Technologies	2022	Lecture Notes in Mechanical Engineering	221	234		
67.	Arora R., Haleem A., Arora P.K., Kumar H.	Identification and Analysis of Critical Success Factors Influencing Technology Implementation of Supply Chain	2022	Journal of Engineering Research (Kuwait)	10		106	117
68.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Exploring impact and features of machine vision for progressive industry 4.0 culture	2022	Sensors International	3			
69.	Rab S., Zafer A., Sharma R.K., Kumar L., Haleem A., Yadav S.	National and Global Status of the High Pressure Measurement and Calibration Facilities	2022	Indian Journal of Pure and Applied Physics	60	1	38	48
70.	Khan S., Fatma N., Khan M.I., Haleem A.	Modelling of Barriers Towards the Adoption of Strategic Entrepreneurship: An Indian Context	2022	Contributions to Management Science	35	55		
71.	Rab S., Yadav S., Haleem A.	A laconic capitulation of high pressure metrology	2022	Measurement: Journal of the International Measurement Confederation	187			

72.	Kumar L., Haleem A., Javaid M.	Impact of three dimensional printing in orthopedics	2021	Global Health Journal	5	4	178	182
73.	Javaid M., Haleem A., Pratap Singh R., Khan S., Suman R.	Blockchain technology applications for Industry 4.0: A literature-based review	2021	Blockchain: Research and Applications	2	4		
74.	Raina A., Haq M.I.U., Javaid M., Rab S., Haleem A.	4D Printing for Automotive Industry Applications	2021	Journal of The Institution of Engineers (India): Series D	102	2	521	529
75.	Husain Z., Maqbool A., Haleem A., Pathak R.D., Samson D.	Analyzing the business models for circular economy implementation: a fuzzy TOPSIS approach	2021	Operations Management Research	14	03-Apr	256	271
76.	Javaid M., Haleem A., Singh R.P., Suman R.	Significant applications of big data in industry 4.0	2021	Journal of Industrial Integration and Management	6	4	429	447
77.	Suman R., Javaid M., Nandan D., Bahl S., Haleem A.	Electricity generation through water supply pipes in high rise buildings	2021	Journal of Industrial Integration and Management	6	4	449	468
78.	Haleem A., Khan M.I., Khan S.	Conceptualising a framework linking halal supply chain management with sustainability: an India centric study	2021	Journal of Islamic Marketing	12	8	1535	1552
79.	Javaid M., Haleem A., Singh R.P., Suman R., Rab S.	Role of additive manufacturing applications towards environmental sustainability	2021	Advanced Industrial and Engineering Polymer Research	4	4	312	322
80.	Haleem A., Javaid M., Singh R.P., Suman R.	Significant roles of 4D printing using smart materials in the field of manufacturing	2021	Advanced Industrial and Engineering Polymer Research	4	4	301	311
81.	Rab S., Yadav S., Haleem A., Jaiswal S.K., Aswal D.K.	Improved model of Global Quality Infrastructure Index (GQII) for inclusive national growth	2021	Journal of Scientific and Industrial Research	80	9	790	799

82.	Haleem A., Khan M.I., Khan S.	Understanding the Adoption of Halal Logistics through Critical Success Factors and Stakeholder Objectives	2021	Logistics	5	2		
83.	Haleem A., Javaid M., Singh R.P., Suman R.	Quality 4.0 technologies to enhance traditional Chinese medicine for overcoming healthcare challenges during COVID-19	2021	Digital Chinese Medicine	4	2	71	80
84.	Khan S., Haleem A., Deshmukh S.G., Javaid M.	Exploring the impact of COVID-19 pandemic on medical supply chain disruption	2021	Journal of Industrial Integration and Management	6	2	235	255
85.	Softa A., Bahl S., Bagha A.K., Sehgal S., Haleem A., Javaid M.	Tissue engineering and its significance in healthcare during COVID-19 pandemic: Potential applications and perspectives	2021	Journal of Industrial Integration and Management	6	2	221	233
86.	Singh R.P., Haleem A., Javaid M., Kataria R., Singhal S.	Cloud computing in solving problems of COVID-19 pandemic	2021	Journal of Industrial Integration and Management	6	2	209	219
87.	Gupta N., Bahl S., Bagha A.K., Vaid S., Javaid M., Haleem A.	Nanomedicine technology and COVID-19 outbreak: Applications and challenges	2021	Journal of Industrial Integration and Management	6	2	161	174
88.	Bahl S., Bagha A.K., Rab S., Javaid M., Haleem A., Singh R.P.	Advancements in biosensor technologies for medical field and COVID-19 pandemic	2021	Journal of Industrial Integration and Management	6	2	175	191
89.	Rab S., Sanjid M.A., Zafer A., Yadav S., Haleem A.	Simulation of Kinematic Supports of Surfaces Plates for Optimum Flatness Tolerance	2021	Mapan - Journal of Metrology Society of India	36	2	279	286
90.	Haleem A., Khan S., Luthra S., Varshney H., Alam M., Khan M.I.	Supplier evaluation in the context of circular economy: A forward step for resilient business and environment concern	2021	Business Strategy and the Environment	30	4	2119	2146

91.	Khan S., Haleem A., Khan M.I.	Risk management in Halal supply chain: an integrated fuzzy Delphi and DEMATEL approach	2021	Journal of Modelling in Management	16	1	172	214
92.	Rab S., Yadav S., Jaiswal S.K., Haleem A., Aswal D.K.	Quality infrastructure of national metrology institutes: A comparative study	2021	Indian Journal of Pure and Applied Physics	59	4	285	303
93.	Rab S., Yadav S., Haleem A., Zafer A., Sharma R., Kumar L.	Simulation based design analysis of pressure chamber for metrological applications up to 200 MPa	2021	Indian Journal of Pure and Applied Physics	59	3	202	205
94.	Haleem A., Sufiyan M.	Defining food supply chain management-a study based on a literature survey	2021	Journal of Industrial Integration and Management	6	1	71	91
95.	Fatma N., Haleem A., Javaid M., Khan S.	Comparison of fused deposition modeling and color jet 3d printing technologies for the printing of mathematical geometries	2021	Journal of Industrial Integration and Management	6	1	105	933
96.	Haleem A., Khan S., Pundir H., Jain A., Upadhyay P., Khan M.I.	Investigating barriers toward the implementation of circular economy: A fuzzy critic approach	2021	Journal of Industrial Integration and Management	6	1	107	139
97.	Khurana S., Haleem A., Luthra S., Mannan B.	Evaluating critical factors to implement sustainable oriented innovation practices: An analysis of micro, small, and medium manufacturing enterprises	2021	Journal of Cleaner Production	285			
98.	Khurana S., Haleem A., Luthra S., Huisingh D., Mannan B.	Now is the time to press the reset button: Helping India's companies to become more resilient and effective in overcoming the impacts of	2021	Journal of Cleaner Production	280			

		COVID-19, climate changes and other crises						
99.	Ammar M., Haleem A., Javaid M., Bahl S., Verma A.S.	Implementing Industry 4.0 technologies in self-healing materials and digitally managing the quality of manufacturing	2021	Materials Today: Proceedings	52		2285	2294
100.	Suhaib Kamran S., Haleem A., Bahl S., Javaid M., Nandan D., Singh Verma A.	Role of smart materials and digital twin (DT) for the adoption of electric vehicles in India	2021	Materials Today: Proceedings	52		2295	2304
101.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Blockchain technology applications in healthcare: An overview	2021	International Journal of Intelligent Networks	2		130	139
102.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Pedagogy and innovative care tenets in COVID-19 pandemic: An enhance way through Dentistry 4.0	2021	Sensors International	2			
103.	Suman R., Javaid M., Choudhary S.K., Haleem A., Singh R.P., Nandan D., Ali S., Rab S.	Impact of COVID-19 Pandemic on Particulate Matter (PM) concentration and harmful gaseous components on Indian metros	2021	Sustainable Operations and Computers	2		1	11
104.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Internet of Behaviours (IoB) and its role in customer services	2021	Sensors International	2			
105.	Javaid M., Abid Haleem, Pratap Singh R., Rab S., Suman R.	Upgrading the manufacturing sector via applications of Industrial Internet of Things (IIoT)	2021	Sensors International	2			
106.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Exploring the potential of nanosensors: A brief overview	2021	Sensors International	2			

107.	Javaid M., Haleem A., Rab S., Pratap Singh R., Suman R.	Sensors for daily life: A review	2021	Sensors International	2			
108.	Haleem A., Javaid M., Singh R.P., Suman R.	Telemedicine for healthcare: Capabilities, features, barriers, and applications	2021	Sensors International	2			
109.	Javaid M., Haleem A.	3D bioprinting applications for the printing of skin: A brief study	2021	Sensors International	2			
110.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Hyperautomation for the enhancement of automation in industries	2021	Sensors International	2			
111.	Haleem A., Javaid M.	Different components, features of Industry 4.0 and their linkage to additive manufacturing	2021	International Journal of Business Innovation and Research	26	3	366	389
112.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Industrial perspectives of 3D scanning: Features, roles and it's analytical applications	2021	Sensors International	2			
113.	Javaid M., Haleem A., Singh R.P., Suman R.	Substantial capabilities of robotics in enhancing industry 4.0 implementation	2021	Cognitive Robotics	1		58	75
114.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Significance of sensors for industry 4.0: Roles, capabilities, and applications	2021	Sensors International	2			
115.	Javaid M., Haleem A., Singh R.P., Suman R.	Dentistry 4.0 technologies applications for dentistry during COVID-19 pandemic	2021	Sustainable Operations and Computers	2		87	96
116.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Significance of Quality 4.0 towards comprehensive enhancement in manufacturing sector	2021	Sensors International	2			

117.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Biosensors applications in medical field: A brief review	2021	Sensors International	2			
118.	Haleem A., Javaid M., Singh R.P., Suman R.	Applications of Artificial Intelligence (AI) for cardiology during COVID-19 pandemic	2021	Sustainable Operations and Computers	2		71	78
119.	Shuaib M., Haleem A., Kumar S., Javaid M.	Impact of 3D Printing on the environment: A literature-based study	2021	Sustainable Operations and Computers	2		57	63
120.	Azeem M., Haleem A., Bahl S., Javaid M., Suman R., Nandan D.	Big data applications to take up major challenges across manufacturing industries: A brief review	2021	Materials Today: Proceedings	49		339	348
121.	Azeem M., Haleem A., Javaid M.	Symbiotic Relationship between Machine Learning and Industry 4.0: A Review	2021	Journal of Industrial Integration and Management	2130002			
122.	Sajid S., Haleem A., Bahl S., Javaid M., Goyal T., Mittal M.	Data science applications for predictive maintenance and materials science in context to Industry 4.0	2021	Materials Today: Proceedings	45		4898	4905
123.	Ammar M., Haleem A., Javaid M., Walia R., Bahl S.	Improving material quality management and manufacturing organizations system through Industry 4.0 technologies	2021	Materials Today: Proceedings	45		5089	5096
124.	Fatima S., Haleem A., Bahl S., Javaid M., Mahla S.K., Singh S.	Exploring the significant applications of Internet of Things (IoT) with 3D printing using advanced materials in medical field	2021	Materials Today: Proceedings	45		4844	4851
125.	Rizvi A.T., Haleem A., Bahl S., Javaid M.	Artificial Intelligence (AI) and Its Applications in Indian Manufacturing: A Review	2021	Lecture Notes in Mechanical Engineering	52		825	835

126.	Fatma N., Haleem A., Bahl S., Javaid M.	Prospects of Jewelry Designing and Production by Additive Manufacturing	2021	Lecture Notes in Mechanical Engineering	52		869	879
127.	Ashima R., Haleem A., Bahl S., Javaid M., Mahla S.K., Singh S.	Automation and manufacturing of smart materials in additive manufacturing technologies using Internet of Things towards the adoption of industry 4.0	2021	Materials Today: Proceedings	45		5081	5088
128.	Arora R., Haleem A., Arora P.K., Kumar H.	Impact of Integrating Artificial Intelligence with IoT-Enabled Supply Chain—A Systematic Literature Review	2021	Lecture Notes in Mechanical Engineering	1183	1188		
129.	Chatwani B., Nimesh D., Chauhan K., Shuaib M., Haleem A.	Current Status, Applications, and Factors Affecting Implementation of Additive Manufacturing in Indian Healthcare Sector: A Literature-Based Review	2021	Lecture Notes in Mechanical Engineering	1015	1030		
130.	Khan S., Haleem A.	Investigation of circular economy practices in the context of emerging economies: a CoCoSo approach	2021	International Journal of Sustainable Engineering	14	3	357	367
131.	Tanveer M.Q., Suhaib M., Haleem A.	A Retrospective Investigation of Mechanical and Physical Properties of ABS Specimen Developed by Manual Injection Moulding and Fused Deposition Modelling	2021	Lecture Notes in Mechanical Engineering	965	978		
132.	Singh R.P., Javaid M., Haleem A., Vaishya R., Bahl S.	Significance of health information technology (Hit) in context to covid-19 pandemic: Potential roles and challenges	2020	Journal of Industrial Integration and Management	5	4	427	440

133.	Javaid M., Haleem A.	Exploring smart material applications for covid-19 pandemic using 4d printing technology	2020	Journal of Industrial Integration and Management	5	4	481	494
134.	Ali S., Singh R.P., Javaid M., Haleem A., Pasricha H., Suman R., Karloopia J.	A review of the role of smart wireless medical sensor network in covid-19	2020	Journal of Industrial Integration and Management	5	4	413	425
135.	Haleem A., Javaid M.	Medical 4.0 and its role in healthcare during covid-19 pandemic: A review	2020	Journal of Industrial Integration and Management	5	4	531	545
136.	Javaid M., Haleem A., Vaish A., Vaishya R., Iyengar K.P.	Robotics applications in covid-19: A review	2020	Journal of Industrial Integration and Management	5	4	441	451
137.	Javaid M., Haleem A., Singh R.P., Ul Haq M.I., Raina A., Suman R.	Industry 5.0: Potential applications in covid-19	2020	Journal of Industrial Integration and Management	5	4	507	530
138.	Kushwaha S., Bahl S., Bagha A.K., Parmar K.S., Javaid M., Haleem A., Singh R.P.	Significant applications of machine learning for covid-19 pandemic	2020	Journal of Industrial Integration and Management	5	4	453	479
139.	Haleem A., Javaid M., Vaishya R.	3D printing applications for the treatment of cancer	2020	Clinical Epidemiology and Global Health	8	4	1072	1076
140.	Rab S., Afjal, Javaid M., Haleem A., Vaishya R.	An update on the global vaccine development for coronavirus	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	6	2053	2055
141.	Rab S., Javaid M., Haleem A., Vaishya R.	Face masks are new normal after COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	6	1617	1619

142.	Imtyaz A., Abid Haleem, Javaid M.	Analysing governmental response to the COVID-19 pandemic	2020	Journal of Oral Biology and Craniofacial Research	10	4	504	513
143.	Mishra D., Haleem A., Javaid M.	Analysing the behaviour of doubling rates in 8 major countries affected by COVID-19 virus	2020	Journal of Oral Biology and Craniofacial Research	10	4	478	483
144.	Khan I., Haleem A., Javaid M.	Analysing COVID-19 pandemic through cases, deaths, and recoveries	2020	Journal of Oral Biology and Craniofacial Research	10	4	450	469
145.	Haleem A., Javaid M.	Industry 4.0 and its applications in dentistry	2020	Indian Journal of Dental Research	31	5	824	825
146.	Javaid M., Haleem A.	Critical components of industry 5.0 towards a successful adoption in the field of manufacturing	2020	Journal of Industrial Integration and Management	5	3	327	348
147.	Weake N., Pant M., Sheoran A., Haleem A., Kumar H.	Optimising parameters of fused filament fabrication process to achieve optimum tensile strength using artificial neural network	2020	Evergreen	7	3	373	381
148.	Ali A., Soni M., Javaid M., Haleem A.	A comparative analysis of different rapid prototyping techniques for making intricately shaped structure	2020	Journal of Industrial Integration and Management	5	3	393	407
149.	Shams S.A., Haleem A., Javaid M.	Analyzing COVID-19 pandemic for unequal distribution of tests, identified cases, deaths, and fatality rates in the top 18 countries	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	5	953	961
150.	Javaid M., Haleem A.	3D printing applications towards the required challenge of stem cells printing	2020	Clinical Epidemiology and Global Health	8	3	862	867

151.	Haleem A., Javaid M., Khan I.	Holography applications toward medical field: An overview	2020	Indian Journal of Radiology and Imaging	30	3	354	361
152.	Vaishya R., Vaish A., Haleem A.	What is there in the scoring and rating of journals?	2020	Journal of Clinical Orthopaedics and Trauma	11		S684	S685
153.	Haleem A., Javaid M., Khan I.H., Vaishya R.	Significant Applications of Big Data in COVID-19 Pandemic	2020	Indian Journal of Orthopaedics	54	4	526	528
154.	Vaishya R., Haleem A., Vaish A., Javaid M.	Emerging Technologies to Combat the COVID-19 Pandemic	2020	Journal of Clinical and Experimental Hepatology	10	4	409	411
155.	Suman R., Javaid M., Haleem A., Vaishya R., Bahl S., Nandan D.	Sustainability of Coronavirus on Different Surfaces	2020	Journal of Clinical and Experimental Hepatology	10	4	386	390
156.	Pratap Singh R., Javaid M., Haleem A., Vaishya R., Ali S.	Internet of Medical Things (IoMT) for orthopaedic in COVID-19 pandemic: Roles, challenges, and applications	2020	Journal of Clinical Orthopaedics and Trauma	11	4	713	717
157.	Singh R.P., Javaid M., Kataria R., Tyagi M., Haleem A., Suman R.	Significant applications of virtual reality for COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	661	664
158.	Singh R.P., Javaid M., Haleem A., Suman R.	Internet of things (IoT) applications to fight against COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	521	524
159.	Javaid M., Haleem A.	Significant advancements of 4D printing in the field of orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S485	S490
160.	Javaid M., Haleem A., Vaishya R., Bahl S., Suman R., Vaish A.	Industry 4.0 technologies and their applications in fighting COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	419	422
161.	Haleem A., Javaid M., Vaishya R., Deshmukh S.G.	Areas of academic research with the impact of COVID-19	2020	American Journal of Emergency Medicine	38	7	1524	1526

162.	Vaishya R., Javaid M., Khan I.H., Haleem A.	Artificial Intelligence (AI) applications for COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	337	339
163.	Javaid M., Haleem A.	Impact of industry 4.0 to create advancements in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S491	S499
164.	Haleem A., Javaid M., Khan I.H.	Virtual reality (VR) applications in dentistry: An innovative technology to embrace	2020	Indian Journal of Dental Research	31	4	666	667
165.	Khan S., Haleem A.	Strategies to implement circular economy practices: A fuzzy DEMATEL approach	2020	Journal of Industrial Integration and Management	5	2	253	269
166.	Javaid M., Haleem A.	Virtual reality applications toward medical field	2020	Clinical Epidemiology and Global Health	8	2	600	605
167.	Javaid M., Haleem A.	3D printed tissue and organ using additive manufacturing: An overview	2020	Clinical Epidemiology and Global Health	8	2	586	594
168.	Haleem A., Javaid M., Vaishya R., Vaish A.	Effects of COVID-19 pandemic in the field of orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11	3	498	499
169.	Khan S., Maqbool A., Haleem A., Khan M.I.	Analyzing critical success factors for a successful transition towards circular economy through DANP approach	2020	Management of Environmental Quality: An International Journal	31	3	505	529
170.	Haleem A., Khan M.I., Khan S.	Halal certification, the inadequacy of its adoption, modelling and strategising the efforts	2020	Journal of Islamic Marketing	11	2	393	413
171.	Haleem A., Javaid M.	3D printed medical parts with different materials using additive manufacturing	2020	Clinical Epidemiology and Global Health	8	1	215	223
172.	Haleem A., Javaid M., Khan I.H.	Internet of things (IoT) applications in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S105	S106

173.	Haleem A., Vaishya R., Javaid M., Khan I.H.	Artificial Intelligence (AI) applications in orthopaedics: An innovative technology to embrace	2020	Journal of Clinical Orthopaedics and Trauma	11		S80	S81
174.	Haleem A., Javaid M., Khan R.H., Suman R.	3D printing applications in bone tissue engineering	2020	Journal of Clinical Orthopaedics and Trauma	11		S118	S124
175.	Ali S., Choudhary Y., Javaid M., Haleem A., Singh R.P., Suman R., Rab S.	Make-over in the sustainable working platform during COVID-19 pandemic	2020	Sustainable Operations and Computers	1		8	12
176.	Arora P.K., Arora R., Haleem A., Kumar H.	Application of additive manufacturing in challenges posed by COVID-19	2020	Materials Today: Proceedings	38		466	468
177.	Weake N., Pant M., Sheroan A., Haleem A., Kumar H.	Optimising process parameters of fused filament fabrication to achieve optimum tensile strength	2020	Procedia Manufacturing	51		704	709
178.	Haleem A., Javaid M., Khan S., Khan M.I.	Retrospective investigation of flexibility and their factors in additive manufacturing systems	2020	International Journal of Industrial and Systems Engineering	36	3	400	429
179.	Haleem A., Javaid M., Rab S.	Impact of additive manufacturing in different areas of Industry 4.0	2020	International Journal of Logistics Systems and Management	37	2	225	238
180.	Haleem A., Gupta P., Bahl S., Javaid M., Kumar L.	3D scanning of a carburetor body using COMET 3D scanner supported by COLIN 3D software: Issues and solutions	2020	Materials Today: Proceedings	39		331	337
181.	Kumar A., Gulati V., Kumar P., Singh H., Singh V., Kumar S., Haleem A.	Parametric Investigation of Forming Forces in Single Point Incremental Forming	2020	Materials Today: Proceedings	24		611	617

182.	Suman R., Nandan D., Haleem A., Bahl S., Javaid M.	Comparative study of silicon dioxide and kaolinite ratio for temperature and humidity variations of earth energy enabled cooling system and traditional cooler	2020	Materials Today: Proceedings	28		1598	1604
183.	Suman R., Nandan D., Haleem A., Bahl S., Javaid M.	Experimental study of electroless plating on acrylonitrile butadiene styrene polymer for obtaining new eco-friendly chromium-free processes	2020	Materials Today: Proceedings	28		1575	1579
184.	Khan S., Haleem A., Khan M.I.	Analysing Challenges Towards Development of Smart City Using WASPAS	2020	Lecture Notes in Civil Engineering	58		463	474
185.	Gandhi N., Haleem A., Shuaib M., Kumar D.	Analysis of Logistical Barriers Faced by MNCs for Business in Indian Smart Cities Using ISM-MICMAC Approach	2020	Lecture Notes in Civil Engineering	58		571	582
186.	Vaishya R., Vaish A., Haleem A., Javaid M.	Letter to the Editor on “Digital Orthopedics. A Glimpse Into the Future in the Midst of a Pandemic”	2020	Journal of Cleaner Production				
187.	Khan S., Khan M.I., Haleem A.	Prioritisation of challenges towards development of smart manufacturing using BWM method	2020	Internet of Things (IoT): Concepts and Applications	409	426		
188.	Khan S., Haleem A., Khan M.I.	Assessment of risk in the management of Halal supply chain using fuzzy BWM method	2020	Supply Chain Forum			17	
189.	Arora R., Haleem A., Arora P.K.	Impact of IoT-Enabled Supply Chain—A Systematic Literature Review	2020	Smart Innovation, Systems and Technologies	174		513	518

190.	Khan S., Haleem A., Khan M.I.	Enablers to Implement Circular Initiatives in the Supply Chain: A Grey DEMATEL Method	2020	Global Business Review				
191.	Rab S., Yadav S., Haleem A., Zafer A., Sharma R., Kumar L.	Design and simulation studies on the development of a high pressure cell upto 1.0 GPa for industrial and scientific metrological application	2020	Materials Today: Proceedings	21		1632	1636
192.	Khurana S., Mannan B., Haleem A.	Total Interpretive Structural Modelling of Critical Factors of Sustainable-Oriented Innovation for Indian Manufacturing MSMEs	2020	Lecture Notes in Mechanical Engineering	95	106		
193.	Maqbool A., Khan S., Haleem A., Khan M.I.	Investigation of Drivers Towards Adoption of Circular Economy: A DEMATEL Approach	2020	Lecture Notes in Mechanical Engineering	147	160		
194.	Parashar V., Haleem A., Usmani J.A.	A Low-Cost Cold Chain Suggestion for Indian Fruit and Vegetable	2020	Lecture Notes in Mechanical Engineering	71	77		
195.	Kumar S., Haleem A., Sushil, Qadri M.A.	Analysis of Firm-Level Innovativeness Indicators	2020	Lecture Notes in Mechanical Engineering	635	642		
196.	Arora P.K., Haleem A., Kumar H., Khan S.A.	Recent Development in Virtual Cellular Manufacturing System	2020	Lecture Notes in Mechanical Engineering	1	7		
197.	Mannan B., Khurana S., Haleem A.	Identifying and Modelling of Constructs for Innovation Management of MSMEs: An ISM Approach	2020	Lecture Notes in Mechanical Engineering	135	146		
198.	Tanveer M.Q., Suhaib M., Haleem A.	A New 3D Benchmarking Artifact to Evaluate Dimensional Accuracy and Geometric	2020	Lecture Notes in Mechanical Engineering	261	273		

		Tolerancing of Additive Manufacturing Technique						
199.	Javaid M., Haleem A., Khan S., Luthra S.	Different flexibilities of 3D scanners and their impact on distinctive applications: An analysis	2020	International Journal of Business Analytics	7	1	37	43
200.	Trivedi S.K., Haleem A.	Energy and exergy analysis of wet ethanol-based HCCI engine combined cycle cogeneration system	2019	International Journal of Advanced Science and Technology	28	18	379	400
201.	Haleem A., Javaid M.	Additive manufacturing applications in industry 4.0: A review	2019	Journal of Industrial Integration and Management	4	4		
202.	Tanveer M.Q., Haleem A., Suhaib M.	Effect of variable infill density on mechanical behaviour of 3-D printed PLA specimen: an experimental investigation	2019	SN Applied Sciences	1	12		
203.	Tanveer M.Q., Suhaib M., Haleem A.	Geometrical Benchmarking evaluation of ProJet 3D printer using proposed simplified 3D Artifact	2019	Engineering Research Express	1	2		
204.	Haleem A., Javaid M.	Polyether ether ketone (PEEK) and its manufacturing of customised 3D printed dentistry parts using additive manufacturing	2019	Clinical Epidemiology and Global Health	7	4	654	660
205.	Haleem A., Javaid M.	Polyether ether ketone (PEEK) and its 3D printed implants applications in medical field: An overview	2019	Clinical Epidemiology and Global Health	7	4	571	577

206.	Parashar V., Trivedi S.K., Haleem A.	An experimental study of convective heat transfer coefficient and nusseltnumber for fruits inside faccc for sustainable cold chain	2019	International Journal of Advanced Science and Technology	28	9	29	43
207.	Haleem A., Javaid M., Vaishya R.	Holography applications for orthopaedics	2019	Indian Journal of Radiology and Imaging	29	4	477	479
208.	Haleem A., Javaid M.	Expected role of four-dimensional (4D) CT and four-dimensional (4D) MRI for the manufacturing of smart orthopaedics implants using 4D printing	2019	Journal of Clinical Orthopaedics and Trauma	10		S234	S235
209.	Sufiyan M., Haleem A., Khan S., Khan M.I.	Evaluating food supply chain performance using hybrid fuzzy MCDM technique	2019	Sustainable Production and Consumption	20		40	57
210.	Rab S., Yadav S., Zafer A., Haleem A., Dubey P.K., Singh J., Kumar R., Sharma R., Kumar L.	Comparison of Monte Carlo Simulation, Least Square Fitting and Calibration Factor Methods for the Evaluation of Measurement Uncertainty Using Direct Pressure Indicating Devices	2019	Mapan - Journal of Metrology Society of India	34	3	305	315
211.	Haleem A., Khan S., Khan M.I.	Traceability implementation in food supply chain: A grey-DEMATEL approach	2019	Information Processing in Agriculture	6	3	335	348
212.	Javaid M., Haleem A.	4D printing applications in medical field: A brief review	2019	Clinical Epidemiology and Global Health	7	3	317	321
213.	Khurana S., Haleem A., Mannan B.	Determinants for integration of sustainability with innovation for Indian manufacturing	2019	Journal of Cleaner Production	229		374	386

		enterprises: Empirical evidence in MSMEs						
214.	Rab S., Yadav S., Sharma R.K., Kumar L., Gupta V.K., Zafer A., Haleem A.	Development of hydraulic cross floating valve	2019	Review of Scientific Instruments	90	8		
215.	Kumar S., Haleem A., Sushil	Assessing innovativeness of manufacturing firms using an intuitionistic fuzzy based MCDM framework	2019	Benchmarking	26	6	1823	1844
216.	Gupta P., Haleem A., Javaid M.	Designing of a carburettor body for ethanol blended fuel by using CFD analysis tool and 3D scanning technology	2019	Journal of Scientific and Industrial Research	78	7	466	472
217.	Javaid M., Haleem A.	Current status and applications of additive manufacturing in dentistry: A literature-based review	2019	Journal of Oral Biology and Craniofacial Research	9	3	179	185
218.	Haleem A., Javaid M., Vaishya R.	5D printing and its expected applications in Orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	4	809	810
219.	Haleem A., Javaid M.	Industry 5.0 and its applications in orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	4	807	808
220.	Javaid M., Haleem A., Kumar L.	Current status and applications of 3D scanning in dentistry	2019	Clinical Epidemiology and Global Health	7	2	228	233
221.	Haleem A., Javaid M.	3D scanning applications in medical field: A literature-based review	2019	Clinical Epidemiology and Global Health	7	2	199	210
222.	Haleem A., Javaid M., Vaishya R.	Industry 4.0 and its applications in orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	3	615	616

223.	Haleem A., Javaid M., Vaish A., Vaishya R.	Three-dimensional-printed polyether ether ketone implants for orthopedics	2019	Indian Journal of Orthopaedics	53	2	377	379
224.	Javaid M., Haleem A.	Current status and challenges of Additive manufacturing in orthopaedics: An overview	2019	Journal of Clinical Orthopaedics and Trauma	10	2	380	386
225.	Khan M.I., Khan S., Haleem A.	Using integrated weighted IRP-Fuzzy TISM approach towards evaluation of initiatives to harmonise Halal standards	2019	Benchmarking	26	2	434	451
226.	Haleem A., Mannan B., Luthra S., Kumar S., Khurana S.	Technology forecasting (TF) and technology assessment (TA) methodologies: a conceptual review	2019	Benchmarking	26	1	48	72
227.	Khan S., Khan M.I., Haleem A.	Evaluation of barriers in the adoption of halal certification: a fuzzy DEMATEL approach	2019	Journal of Modelling in Management	14	1	153	174
228.	Sherwani A.F., Asjad M., Haleem A.	Performance evaluation of solar photovoltaic electricity-generating systems: an Indian perspective	2019	International Journal of Sustainable Engineering	12	1	70	75
229.	Parashar V., Haleem A., Usmani J.A.	Performance analysis of free air cooling conditioning chamber (FACCC) to develop improved cold chain during transportation of agricultural crops in India	2019	Lecture Notes in Mechanical Engineering	451	458		
230.	Javaid M., Haleem A., Kumar L.	Dimensional errors during scanning of product using 3D scanner	2019	Lecture Notes in Mechanical Engineering	727	736		
231.	Sufiyan M., Haleem A., Khan S., Khan M.I.	Analysing attributes of food supply chain management: A comparative study	2019	Lecture Notes in Mechanical Engineering	515	523		

232.	Shuaib M., Haleem A., Kumar L., Rohan, Sharma D.	Design and analysis of steering knuckle joint	2019	Lecture Notes in Mechanical Engineering	423	431		
233.	Khan M.I., Khan S., Haleem A.	Compensating impact of globalisation through fairtrade practices	2019	Contributions to Management Science	269	283		
234.	Mannan B., Haleem A.	Modelling factors of innovation management for its implementation in MSMEs of developing countries: an IRP approach	2019	Contributions to Management Science	183	203		
235.	Kumar S., Luthra S., Haleem A., Garg D.	Qualitative analysis of drivers of poka-yoke in small and medium enterprises of Indian automobile sector	2019	International Journal of Process Management and Benchmarking	9	2	232	249
236.	Javaid M., Haleem A.	Using additive manufacturing applications for design and development of food and agricultural equipments	2019	International Journal of Materials and Product Technology	58	02-Mar	225	238
237.	Haleem A., Javaid M., Saxena A.	Additive manufacturing applications in cardiology: A review	2018	Egyptian Heart Journal	70	4	433	441
238.	Mohd Imran Khan M., Shahbaz Khan M., Abid Haleem D., Imran Khan M., Khan S.	Facilitating Fair Trade Practices as a Development Strategy	2018	IOP Conference Series: Materials Science and Engineering	404	1		
239.	Abid Haleem D., Mohd Imran Khan M., Shahbaz Khan M., Abdul Hafaz Ngah D.,	Assessing Barriers to Adopting and Implementing Halal Practices in Logistics Operations	2018	IOP Conference Series: Materials Science and Engineering	404	1		

	Imran Khan M., Khan S., Hafaz Ngah A.							
240.	Mohd Imran Khan M., Shahbaz Khan M., Abid Haleem D., Mohd Javaid M., Imran Khan M., Khan S., Javaid M.	Prioritising Barriers towards Adoption of Sustainable Consumption and Production Practices using TOPSIS	2018	IOP Conference Series: Materials Science and Engineering	404	1		
241.	Khurana S., Mannan B., Haleem A.	A Comparative Study of Practices for Integration of Sustainability with Innovation for Micro, Small & Medium Scale Manufacturing Enterprises (Msmes) in India and in England	2018	IOP Conference Series: Materials Science and Engineering	404	1		
242.	Shahbaz Khan M., Mohd Imran Khan M., Abid Haleem D., Mohd Shuaib M., Khan S., Imran Khan M., Shuaib M.	Selection of Traceable Technology in Food Supply Chain	2018	IOP Conference Series: Materials Science and Engineering	404	1		
243.	Shahbaz Khan M., Mohd Imran Khan M., Abid Haleem D., Khan S., Imran Khan M.	Towards Effective Management of Cold Chain: A DEMATEL Approach	2018	IOP Conference Series: Materials Science and Engineering	404	1		
244.	Haleem A., Javaid M., Vaishya R.	4D printing and its applications in Orthopaedics	2018	Journal of Clinical Orthopaedics and Trauma	9	3	275	276
245.	Haleem A., Javaid M.	Role of CT and MRI in the design and development of orthopaedic model using additive manufacturing	2018	Journal of Clinical Orthopaedics and Trauma	9	3	213	217

246.	Javaid M., Haleem A.	Additive manufacturing applications in orthopaedics: A review	2018	Journal of Clinical Orthopaedics and Trauma	9	3	202	206
247.	Arora R., Haleem A., Farooque J.A.	Barriers affecting successful technology enablement of supply chain: An Indian perspective	2018	IOP Conference Series: Materials Science and Engineering	330	1		
248.	Khan M.I., Haleem A., Khan S.	Defining Halal Supply Chain Management	2018	Supply Chain Forum	19	2	122	131
249.	Saurikhia A., Ahmed S., Haleem A., Gangopadhyay S., Khan M.I.	Evaluating technology management factors for fly-ash utilization in the road sector using an ISM approach	2018	International Journal of Management Science and Engineering Management	13	2	108	117
250.	Haleem A., Kumar S., Luthra S.	Flexible System Approach for Understanding Requisites of Product Innovation Management	2018	Global Journal of Flexible Systems Management	19	1	19	37
251.	Khan S., Haleem A., Khan M.I., Abidi M.H., Al-Ahmari A.	Implementing traceability systems in specific supply chain management (SCM) through critical success factors (CSFs)	2018	Sustainability (Switzerland)	10	1		
252.	Kumar L., Shuaib M., Tanveer Q., Kumar V., Javaid M., Haleem A.	3 D scanner integration with product development	2018	International Journal of Engineering and Technology(UAE)	7	2.13 Special Issue 13	225	
253.	Kumar P., Haleem A., Qamar F., Khan U.	Analysis of maiden modal shift in coal transportation supply chain using SAP-LAP technique	2018	International Journal of Logistics Systems and Management	30	4	458	476
254.	Kumar S., Luthra S., Haleem A., Garg D., Singh S., Mangla S.K.	An integrated approach to analyse requisites of product innovation management	2018	International Journal of Business Innovation and Research	16	1	36	62
255.	Kumar P., Haleem A., Qamar F., Khan U.	Modelling Inland Waterborne Transport for Supply Chain Policy Planning: An Indian Perspective	2017	Global Journal of Flexible Systems Management	18	4	353	366

256.	Tiwari D., Sherwani A.F., Arora A., Haleem A.	Thermo-economic and multiobjective optimization of saturated and superheated organic Rankine cycle using a low-grade solar heat source	2017	Journal of Renewable and Sustainable Energy	9	5		
257.	Kumar H., Moona G., Arora P.K., Haleem A., Singh J., Kumar R., Kumar A.	Monte carlo method for evaluation of uncertainty of measurement in brinell hardness scale	2017	Indian Journal of Pure and Applied Physics	55	6	445	453
258.	Arora R., Haleem A., Farooque J.A.	Impact of critical success factors on successful technology implementation in Consumer Packaged Goods (CPG) supply chain	2017	Management Science Letters	7	5	213	224
259.	Khan J., Haleem A., Husain Z.	Barriers to technology transfer: A total interpretative structural model approach	2017	International Journal of Manufacturing Technology and Management	31	6	511	536
260.	Haleem A., Khan M.I.	Towards successful adoption of Halal logistics and its implications for the stakeholders	2017	British Food Journal	119	7	1592	1605
261.	Berwal A.K., Kumar S., Kumari N., Kumar V., Haleem A.	Design and analysis of rooftop grid tied 50 kW capacity Solar Photovoltaic (SPV) power plant	2017	Renewable and Sustainable Energy Reviews	77		1288	1299
262.	Luthra S., Mangla S.K., Kumar S., Garg D., Haleem A.	Identify and prioritise the critical factors in implementing the reverse logistics practices: A case of Indian auto component manufacturer	2017	International Journal of Business and Systems Research	11	01-Feb	42	61
263.	Mannan B., Khurana S., Haleem A.	Modeling of critical factors for integrating sustainability with innovation for Indian small- and medium-scale manufacturing	2016	Cogent Business and Management	3	1		

		enterprises: An ISM and MICMAC approach						
264.	Haleem A., Luthra S., Mannan B., Khurana S., Kumar S., Ahmad S.	Critical factors for the successful usage of fly ash in roads & bridges and embankments: Analyzing indian perspective	2016	Resources Policy	49		334	348
265.	Kumar S., Luthra S., Govindan K., Kumar N., Haleem A.	Barriers in green lean six sigma product development process: An ISM approach	2016	Production Planning and Control	27	07-Aug	604	620
266.	Luthra S., Garg D., Haleem A.	The impacts of critical success factors for implementing green supply chain management towards sustainability: An empirical investigation of Indian automobile industry	2016	Journal of Cleaner Production	121		142	158
267.	Mannan B., Khurana S., Haleem A.	Technological Innovation challenges and opportunities in India and the developing countries	2016	12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015	7443854			
268.	Arora P.K., Haleem A., Singh M.K., Kumar H., Singh D.P.	Optimal design of a production system	2016	Lecture Notes in Mechanical Engineering	697	703		
269.	Kumar S., Haleem A.	Benchmarking using an index for bullwhip effect mitigation	2016	Uncertain Supply Chain Management	4	2	161	170
270.	Luthra S., Kumar S., Garg D., Haleem A.	Comparative evaluation of GSCM practices in automotive components manufacturing firms of India: A fuzzy TOPSIS approach	2016	International Journal of Logistics Systems and Management	25	3	358	390

271.	Kumar S., Duhan M., Haleem A.	Evaluation of factors important to enhance productivity	2016	Cogent Engineering	3	1		
272.	Trivedi S.K., Haleem A.	Thermodynamic analysis and utilisation of wet ethanol in homogeneous charge compression ignition engine	2016	International Journal of Sustainable Energy	35	1	33	46
273.	Luthra S., Garg D., Haleem A.	An analysis of interactions among critical success factors to implement green supply chain management towards sustainability: An Indian perspective	2015	Resources Policy	46		37	50
274.	Khan U., Haleem A.	Improving to smart organization: An integrated ISM and fuzzy-MICMAC modelling of barriers	2015	Journal of Manufacturing Technology Management	26	6	807	829
275.	Kumar S., Luthra S., Haleem A.	Benchmarking supply chains by analyzing technology transfer critical barriers using AHP approach	2015	Benchmarking	22	4	538	558
276.	Luthra S., Garg D., Haleem A.	Critical success factors of green supply chain management for achieving sustainability in Indian automobile industry	2015	Production Planning and Control	26	5	339	362
277.	Kumar S., Singh V., Haleem A.	Critical success factors of knowledge management: Modelling and comparison using various techniques	2015	International Journal of Industrial and Systems Engineering	21	2	180	206
278.	Kumar R., Haleem A., Garg S.K., Singh R.K.	Automated guided vehicle configurations in flexible manufacturing systems: A comparative study	2015	International Journal of Industrial and Systems Engineering	21	2	207	226

279.	Kumar S., Kumar N., Haleem A.	Conceptualisation of Sustainable Green Lean Six Sigma: An empirical analysis	2015	International Journal of Business Excellence	8	2	210	250
280.	Luthra S., Kumar S., Garg D., Haleem A.	Barriers to renewable/sustainable energy technologies adoption: Indian perspective	2015	Renewable and Sustainable Energy Reviews	41		762	776
281.	Ahmad N., Haleem A., Syed A.A.	Study of reasons for enterprise systems adoption among Indian organizations	2014	Journal of Enterprise Information Management	27	6	696	718
282.	Kumar S., Luthra S., Haleem A.	Critical success factors of customer involvement in greening the supply chain: An empirical study	2014	International Journal of Logistics Systems and Management	19	3	283	310
283.	Luthra S., Garg D., Haleem A.	Greening the supply chain using SAP-LAP analysis: A case study of an auto ancillary company in India	2014	International Journal of Business Excellence	7	6	724	746
284.	Luthra S., Garg D., Haleem A.	Green supply chain management: Implementation and performance – a literature review and some issues	2014	Journal of Advances in Management Research	11	1	20	46
285.	Luthra S., Garg D., Haleem A.	Empirical Analysis of Green Supply Chain Management Practices in Indian Automobile Industry	2014	Journal of The Institution of Engineers (India): Series C	95	2	119	126
286.	Luthra S., Qadri M.A., Garg D., Haleem A.	Identification of critical success factors to achieve high green supply chain management performances in Indian automobile industry	2014	International Journal of Logistics Systems and Management	18	2	170	199

287.	Kaushik A., Kumar S., Luthra S., Haleem A.	Technology transfer: Enablers and barriers - A review	2014	International Journal of Technology, Policy and Management	14	2	133	159
288.	Luthra S., Garg D., Haleem A.	Identifying and ranking of strategies to implement green supply chain management in Indian manufacturing industry using analytical hierarchy process	2013	Journal of Industrial Engineering and Management	6	4	930	962
289.	Kumar N., Kumar S., Haleem A., Gahlot P.	Implementing lean manufacturing system: ISM approach	2013	Journal of Industrial Engineering and Management	6	4	996	1012
290.	Kumar S., Luthra S., Haleem A.	Customer involvement in greening the supply chain: an interpretive structural modeling methodology	2013	Journal of Industrial Engineering International	9	1		
291.	Arora P.K., Haleem A., Singh M.K.	Recent development of cellular manufacturing systems	2013	Sadhana - Academy Proceedings in Engineering Sciences	38	3	421	428
292.	Arora P.K., Haleem A., Singh M.K., Kumar H.	Proposed model for optimizing production system using CMS	2013	Applied Mechanics and Materials	281		673	676
293.	Arora P.K., Haleem A., Singh M.K., Kumar H.	Optimization of cellular manufacturing systems using genetic algorithm: A review	2013	Advanced Materials Research	622		60	63
294.	Kumar S., Singh B., Qadri M.A., Kumar Y.V.S., Haleem A.	A framework for comparative evaluation of lean performance of firms using fuzzy TOPSIS	2013	International Journal of Productivity and Quality Management	11	4	371	392
295.	Haleem A., Sushil, Qadri M.A., Kumar S.	Analysis of critical success factors of world-class manufacturing practices: An application of interpretative	2012	Production Planning and Control	23	10-Nov	722	734

		structural modelling and interpretative ranking process						
296.	Siddiqui F., Haleem A., Sharma C.	Strategic planning of service supply chain using dynamic SAP-LAP model: a case study of a leading gas organisation in India	2012	International Journal of Services, Economics and Management	4	3	169	185
297.	Ahmad N., Haleem A., Syed A.A.	Compilation of critical success factors in implementation of enterprise systems: A study on indian	2012	Global Journal of Flexible Systems Management	13	4	217	232
298.	Khan U., Haleem A.	Smart organisations: Modelling of enablers using an integrated ISM and fuzzy-MICMAC approach	2012	International Journal of Intelligent Enterprise	1	03-Apr	248	269
299.	Siddiqui F., Haleem A., Sharma C.	The impact of supply chain management practices in total quality management practices and flexible system practices context: An empirical study in oil and gas industry	2012	Global Journal of Flexible Systems Management	13	1	11	23
300.	Luthra S., Kumar V., Kumar S., Haleem A.	Barriers to implement green supply chain management in automobile industry using interpretive structural modeling technique-an Indian perspective	2011	Journal of Industrial Engineering and Management	4	2	231	257
301.	Kumar R., Haleem A., Garg S.K., Singh R.K.	Performance optimization of an imbalanced flexible manufacturing system using taguchi approach	2011	Global Journal of Flexible Systems Management	12	01-Feb	81	89

302.	Lal R., Haleem A.	Governance in rural India: An empirical study	2009	Proceedings of the European Conference on e-Government, ECEG	423	429		
303.	Arif M., Egbu C., Haleem A., Kulonda D., Khalfan M.	State of green construction in India: Drivers and challenges	2009	Journal of Engineering, Design and Technology	7	2	223	234
304.	Arif M., Egbu C., Haleem A., Ebohon J., Khalfan M.M.A.	Green construction in India: Gaining a deeper understanding	2009	Journal of Architectural Engineering	15	1	10	13
305.	Lal R., Haleem A.	A structural modelling for e-governance service delivery in rural India	2009	International Journal of Electronic Governance	2	1	3	21
306.	Sushil, Haleem A.	Special issue - GLOGIFT 08	2009	Global Journal of Flexible Systems Management	10	1		
307.	Siddiqui F., Haleem A., Wadhwa S.	Role of supply chain management in context of total quality management in flexible systems : A state-of the-art literature review	2009	Global Journal of Flexible Systems Management	10	3	1	14
308.	Haleem A.	Flexibility in Business Excellence in Knowledge Economy	2008	Global Journal of Flexible Systems Management	9	1	iii	
309.	Mallick Z., Siddiquee A.N., Haleem A.	Mobile computing with special reference to readability task under the impact of vibration, colour combination and gender.	2008	Journal of human ergology	37	2	57	66
310.	Khan F., Haleem A.	Role of technological and people capabilities in India: An empirical study	2008	Global Journal of Flexible Systems Management	9	02-Mar	31	40
311.	Sushil, Haleem A.	Flexibility in business excellence in knowledge economy	2008	Global Journal of Flexible Systems Management	9	1		

312.	Lal R., Haleem A.	e-Governance in rural India: An empirical study	2007	Proceedings of the European Conference on e-Government, ECEG	251	257		
313.	Mallick Z., Badruddin I.A., Haleem A., Siddique A.N., Tandur K.H.	Ergonomic evaluation of data entry task performance under the influence of noise and task structure - The effect of gender	2007	International Journal of Mechanical and Materials Engineering	2	2	161	172
314.	Karimi M.N., Haleem A.	Indian implementation of alternative refrigerant technology: A dynamic analysis	2007	Global Journal of Flexible Systems Management	8	3	39	48
315.	Haleem A.	Special issue - GLOGIFT 06	2007	Global Journal of Flexible Systems Management	8	01-Feb		
316.	Agrawal V.K., Haleem A.	Environmental pressures, culture and factors contributing in the usage of various categories of application software	2005	Global Journal of Flexible Systems Management	6	2	31	45
317.	Agrawal V.K., Haleem A.	A cross-impact analysis of the external situation and culture on factors of IT-enabled business transformation	2005	Global Journal of Flexible Systems Management	6	1	21	34
318.	Agrawal V.K., Haleem A.	Culture, environmental pressures, and the factors for successful implementation of business process engineering and computer-based information systems	2003	Global Journal of Flexible Systems Management	4	01-Feb	27	46

Prof. M. Emran Khan

1.	Khan T.A., Khan T.A., Yadav A.K., Khan M.E., Kumar M., Srivastava P.K.	Experimental studies on utilization of Neochloris oleoabundans microalgae biodiesel as an alternative fuel for diesel engine	2023	International Journal of Ambient Energy	44	1	115	123
2.	Abozoor M.K.S., Meraj M., Azhar M., Khan M.E., Seraj M., Ahsan M., Ahmed S.A., Bani Hani E.H.	Energy and exergy analyses of active solar still integrated with evacuated flat plate collector for New Delhi	2022	Groundwater for Sustainable Development	19			
3.	Tiwari G.N., Meraj M., Khan M.E., Dwevedi V.K.	Effect of Series and Parallel Combination of Photovoltaic Thermal Collectors on the Performances of Integrated Active Solar Still	2022	Journal of Thermal Science and Engineering Applications	14	8		
4.	Tiwari G.N., Meraj Md., Khan M.E., Azhar Md.	Modified Hottel-Whillier-Bliss Equation for an Active Solar Distillation System for Higher Yield and Thermal Efficiency	2022	Journal of Thermal Science and Engineering Applications	14	2		
5.	Qadeer A., Khan M.E., Alam S.	Tilt angle optimisation by Taylor's series expansion for maximum solar radiation in humid subtropical regions of India	2022	International Journal of Ambient Energy	43	1	6702	6708
6.	Meraj M., Khan M.E., Tiwari G.N.	Annual overall energy and exergy analysis of N-PVT-CPC integrated VAR system: a constant collection temperature mode	2022	International Journal of Ambient Energy	43	1	2453	2465
7.	Hassan A.K., Muzaffarul Hasan M., Khan M.E.	Heat transfer and fluid flow investigation in dimple	2022	International Journal of Ambient Energy	43	1	1866	1877

		roughened solar duct arranged in multiple arc pattern						
8.	Siddiqui F.Z., Faruqi M.H.Z., Pandey S., Khan M.E.	Development of models for the prediction of energy content of fresh municipal solid waste from an unsecured landfill in India	2021	Waste Management and Research	39	8	1101	1111
9.	Parvez M., Khan M.E., Khalid F., Khan O., Akram W.	A Novel Energy and Exergy Assessments of Solar Operated Combined Power and Absorption Refrigeration Cogeneration Cycle	2021	Green Energy and Technology		213		
10.	Meraj M., Mahmood S.M., Khan M.E., Azhar M., Tiwari G.N.	Effect of N-Photovoltaic thermal integrated parabolic concentrator on milk temperature for pasteurization: A simulation study	2021	Renewable Energy	163		2153	2164
11.	Hasan S., Khan M.E., Parvez M.	Experimental analysis of a solar thermal hybrid VRF system for maximum energy economy based on Delhi (India) climate	2021	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	43	14	1779	1792
12.	Khan O., Yadav A.K., Khan M.E., Parvez M.	Characterization of bioethanol obtained from Eichhornia Crassipes plant; its emission and performance analysis on CI engine	2021	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	43	14	1793	1803
13.	Qadeer A., Khan M.E., Alam S.	Estimation of solar radiation on tilted surface by using regression analysis at different locations in India	2020	Distributed Generation and Alternative Energy Journal	35	1	1	18
14.	Meraj Md., Khan M.E., Azhar Md.	Performance analyses of photovoltaic thermal integrated concentrator collector combined	2020	Journal of Energy Resources Technology, Transactions of the ASME	142	12		

		with single effect absorption cooling cycle: Constant flow rate mode						
15.	Tiwari G.N., Mishra A.K., Meraj M., Ahmad A., Khan M.E.	Effect of shape of condensing cover on energy and exergy analysis of a PVT-CPC active solar distillation system	2020	Solar Energy	205		113	125
16.	Mishra A.K., Meraj M., Tiwari G.N., Ahmad A., Khan M.E.	Effect of shape of condensing cover on yield of passive and fully covered PVT active solar still	2020	Desalination and Water Treatment	184		39	50
17.	Khan O., Khan M.Z., Khan M.E., Goyal A., Bhatt B.K., Khan A., Parvez M.	Experimental analysis of solar powered disinfection tunnel mist spray system for coronavirus prevention in public and remote places	2020	Materials Today: Proceedings	46		6852	6858
18.	Khan O., Khan M.Z., Ahmad N., Qamer A., Alam M.T., Khan M.E., Siddiqui A.H.	Performance and emission analysis on palm oil derived biodiesel coupled with Aluminum oxide nanoparticles	2020	Materials Today: Proceedings	46		6781	6786
19.	Mahmood S.M., Khan M.E.	Photovoltaic Based Application for Domestic Load	2019	2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings	2019- November	8975501		
20.	Meraj M., Khan M.E.	Thermal modeling of opaque and semi-transparent photovoltaic (PV) module	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	3271	3276
21.	Gupta T., Khan M.E.	Variation in ignition delay with changing the environment inside the combustion chamber for different sprays	2019	International Journal of Innovative Technology and Exploring Engineering	8	10	3346	3353

22.	Meraj M., Khan M.E., Tiwari G.N., Istiyaque M.	Packing factor effects on the performance of photovoltaic module for a given module area	2018	3rd International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Controls with their Impact on Humanity, CIPECH 2018	8724229	30		
23.	Yadav A.K., Khan O., Khan M.E.	Utilization of high FFA landfill waste (leachates) as a feedstock for sustainable biodiesel production: its characterization and engine performance evaluation	2018	Environmental Science and Pollution Research	25	32	32312	32320
24.	Tiwari G.N., Meraj M., Khan M.E.	Exergy analysis of N-photovoltaic thermal-compound parabolic concentrator (N-PVT-CPC) collector for constant collection temperature for vapor absorption refrigeration (VAR) system	2018	Solar Energy	173		1032	1042
25.	Yadav A.K., Khan M.E., Pal A., Dubey A.M.	Performance, emission and combustion characteristics of an Indica diesel engine operated with Yellow Oleander (Thevetia peruviana) oil biodiesel produced through hydrodynamic cavitation method	2018	International Journal of Ambient Energy	39	4	365	371
26.	Tiwari G.N., Meraj M., Khan M.E., Mishra R.K., Garg V.	Improved Hottel-Whillier-Bliss equation for N-photovoltaic thermal-compound parabolic concentrator (N-PVT-CPC) collector	2018	Solar Energy	166		203	212

27.	Yadav A.K., Khan M.E., Pal A., Ghosh U.	Performance and emission characteristics of a stationary diesel engine fuelled by Schleicher Oleosa Oil Methyl Ester (SOME) produced through hydrodynamic cavitation process	2018	Egyptian Journal of Petroleum	27	1	89	93
28.	Yadav A.K., Khan M.E., Pal A., Singh B.	Ultrasonic-assisted optimization of biodiesel production from Karabi oil using heterogeneous catalyst	2018	Biofuels	9	1	101	112
29.	Siddiqui F.Z., Zaidi S., Manuja S., Pandey S., Khan M.E.	Development of models for prediction of the energy content of disposed MSW from an unsecured landfill	2017	Waste Management and Research	35	11	1129	1136
30.	Khan O., Khan M.E., Yadav A.K., Sharma D.	The ultrasonic-assisted optimization of biodiesel production from eucalyptus oil	2017	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	39	13	1323	1331
31.	Yadav A.K., Khan M.E., Pal A.	Kaner biodiesel production through hybrid reactor and its performance testing on a CI engine at different compression ratios	2017	Egyptian Journal of Petroleum	26	2	525	532
32.	Yadav A.K., Khan M.E., Pal A., Dubey A.M.	Experimental Investigations of Performance and Emissions Characteristics of Kusum (Schleicher Oleosa) Biodiesel in a Multi-Cylinder Transportation Diesel Engine	2017	Waste and Biomass Valorization	8	4	1331	1341
33.	Yadav A.K., Khan M.E., Pal A.	Biodiesel production from oleander (Thevetia Peruviana) oil and its performance testing on a diesel engine	2017	Korean Journal of Chemical Engineering	34	2	340	345

34.	Yadav A.K., Khan M.E., Pal A., Dubey A.M.	Biodiesel production from Nerium oleander (Thevetia peruviana) oil through conventional and ultrasonic irradiation methods	2016	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	38	23	3447	3452
35.	Yadav A.K., Khan M.E., Dubey A.M., Pal A.	Performance and emission characteristics of a transportation diesel engine operated with non-edible vegetable oils biodiesel	2016	Case Studies in Thermal Engineering	8		236	244
36.	Yadav A.K., Khan M.E., Pal A., Dubey A.M.	A comparative study on ultrasonic cavitation and mechanical stirring method towards efficient production of biodiesel from non-edible oils and performance testing on a CI engine	2016	International Journal of Environment and Waste Management	18	4	349	367
37.	Yadav A.K., Khan M.E., Pal A., Sharma D.	Optimisation of biodiesel production from bitter groundnut oil using Taguchi method and its performance and emissions characteristics on a 4-cylinder Tata Indica engine	2015	International Journal of Sustainable Agricultural Management and Informatics	1	4	285	300
38.	Singh R.V., Kumar S., Hasan M.M., Khan M.E., Tiwari G.N.	Performance of a solar still integrated with evacuated tube collector in natural mode	2013	Desalination	318		25	33
39.	Siddiqui F.Z., Zaidi S., Pandey S., Khan M.E.	Review of past research and proposed action plan for landfill gas-to-energy applications in India	2013	Waste Management and Research	31	1	3	22
40.	Siddiqui F.Z., Khan M.E.	Landfill gas recovery and its utilization in India: Current	2011	Journal of Chemical and Pharmaceutical Research	3	5	174	183

		status, potential prospects and policy implications						
41.	Khan M.S., Mahapatra S.S., Sreekumar	Service quality evaluation of technical institutions using data envelopment analysis	2008	International Journal of Productivity and Quality Management	3	1	127	143
42.	Mahapatra S.S., Khan M.S.	A neural network approach for assessing quality in technical education: An empirical study	2007	International Journal of Productivity and Quality Management	2	3	287	306
43.	Mahapatra S.S., Patnaik A., Khan M.S.	Development and analysis of wear resistance model for composites of aluminium reinforced with red mud	2006	Journal of Solid Waste Technology and Management	32	1	28	35
44.	Nawaz I., Khan R.A., Khan M.E., Tiwari G.N.	Optimisation of clean environment parameters through renewable energy sources	2003	International Journal of Ambient Energy	24	2	67	74
Prof. Z. Mallick								
1.	Sharma G., Ahmad S., Mallick Z., Khan Z.A., James A.T., Asjad M., Badruddin I.A., Kamangar S., Javed S., Mohammed A.A., Ahammad N.A.	Risk Factors Assessment of Musculoskeletal Disorders among Professional Vehicle Drivers in India Using an Ordinal Priority Approach	2022	Mathematics	10	23		
2.	Sharma G., Mallick Z., Ahmad S., Khan Z.A., James A.T., Asjad M.	An integrated multi-criteria decision-making approach for estimating the importance of the cognitive function impairment risk factors	2022	Decision Analytics Journal	4			

3.	Bano F., Mallick Z., Khan A.A., Elnahas N.	Effect of Stroke Rotation on Discomfort for Assembly Tasks	2022	Lecture Notes in Mechanical Engineering	117	129		
4.	Afzal A., Saleel C.A., Badruddin I.A., Khan T.M.Y., Kamangar S., Mallick Z., Samuel O.D., Soudagar M.E.M.	Human thermal comfort in passenger vehicles using an organic phase change material–an experimental investigation, neural network modelling, and optimization	2020	Building and Environment	180			
5.	Kamangar S., Anjum Badruddin I., Anqi A.E., Ahamed Saleel C., Tirth V., Yunus Khan T.M., Anas Khan M., Mallick Z., Salman Ahmed N.J.	Influence of bifurcation angle in left coronary artery with stenosis: A CFD analysis	2020	Bio-Medical Materials and Engineering	31	6	339	349
6.	Khan M.S., Mansour M.A.A., Khadar S.D.A., Mallick Z.	Evaluating healthcare performance using fuzzy logic	2020	South African Journal of Industrial Engineering	31	1	133	143
7.	Asjad M., Mallick Z.	Some investigations on the relationship between ergonomic and TQM	2017	International Journal of Industrial and Systems Engineering	27	2	272	294
8.	Asjad M., Mallick Z.	Some investigations on the relationship between ergonomic and TQM	2017	International Journal of Industrial and Systems Engineering	27	2	272	294
9.	Bano F., Mallick Z., Khan A.A.	The effect of grip force, stroke rotation and frequency on discomfort for a torqueing tasks	2016	Work	53	4	691	708
10.	Bano F., Mallick Z., Khan A.A.	Optimization of the levels of grip force, stroke rotation, frequency and grip span for a torqueing task	2015	International Journal of Occupational Safety and Ergonomics	21	1	94	104

11.	Siddiquee A.N., Khan Z.A., Mallick Z.	Grey relational analysis coupled with principal component analysis for optimisation design of the process parameters in in-feed centreless cylindrical grinding	2010	International Journal of Advanced Manufacturing Technology	46	09-Dec	983	992
12.	Mallick Z.	Optimization of the operating parameters of a grass trimming machine	2010	Applied Ergonomics	41	2	260	265
13.	Mallick Z., Badruddin I.A., Khaleed Hussain M.T., Salman Ahmed N.J., Kanesan J.	Noise characteristics of grass-trimming machine engines and their effect on operators	2009	Noise and Health	11	43	98	102
14.	Mallick Z., Kaleel A.H., Siddiquee A.N.	An expert system for predicting the effects of noise pollution on grass trimming task using fuzzy modeling	2009	International Journal of Applied Environmental Sciences	4	4	389	403
15.	Ahmed Khan I., Mallick Z., Khan Z.A., Muzammil M.	A study on the combined effect of noise and vibration on the performance of a readability task in a mobile driving environment by operators of different ages	2009	International Journal of Occupational Safety and Ergonomics	15	3	277	286
16.	Khaleed Hussain M.T., Samad Z., Suhaib S., Uthman A.R., Jagirdar S.A., Badruddin I.A., Mallick Z., Khan Z.A., Quadir G.A.	Analysis of stress concentration factor in bolted joint using finite element method	2008	International Journal of Mechanical and Materials Engineering	3	1	38	46
17.	Mallick Z., Siddiquee A.N., Haleem A.	Mobile computing with special reference to readability task	2008	Journal of human ergology	37	2	57	66

		under the impact of vibration, colour combination and gender.						
18.	Mallick Z.	Evaluation and optimization of handle design parameters of a grass trimming machine	2008	International Journal of Occupational Safety and Ergonomics	14	3	343	349
19.	Mallick Z.	Optimization of operating parameters for a back-pack type grass trimmer	2008	International Journal of Industrial Ergonomics	38	1	101	110
20.	Mallick Z., Badruddin I.A., Haleem A., Siddique A.N., Tandur K.H.	Ergonomic evaluation of data entry task performance under the influence of noise and task structure - The effect of gender	2007	International Journal of Mechanical and Materials Engineering	2	2	161	172
21.	Mallick Z., Badruddin I.A., Magami I.A.	Optimization of operating parameters of video display units in text reading task: Luminance contrast, viewing distance, and character size	2007	Journal of the Society for Information Display	15	9	749	756
22.	Badruddin I.A., Zainal Z.A., Khan Z.A., Mallick Z.	Effect of viscous dissipation and radiation on natural convection in a porous medium embedded within vertical annulus	2007	International Journal of Thermal Sciences	46	3	221	227
23.	Mallick Z.	Investigating data entry task performance on a laptop under the impact of vibration: The effect of color	2007	International Journal of Occupational Safety and Ergonomics	13	3	291	303
24.	Ahmed Khan I., Mallick Z., Khan Z.A.	A Study on the Combined Effect of Noise and Vibration on Operators' Performance of a Readability Task in a Mobile Driving Environment	2007	International Journal of Occupational Safety and Ergonomics	13	2	127	136

Prof. Mohd. Suhaib								
1.	Kumar S., Singh A., Asjad M., Suhaib M., Kulshrestha C., Sirohi S.	An ISM and AHP-Based Analysis of Barriers to Healthcare 4.0	2023	Journal of Industrial Integration and Management				
2.	Faris M., Suhaib M., Ahmed M., Sultana	EFFECT OF MHA ON TRIBO-BEHAVIOUR OF Al-MHA-Si3N4 HYBRID COMPOSITES	2023	Composites Theory and Practice	2023	1	37	43
3.	Katna R., Suhaib M., Agrawal N., Bhati V., Kumar P., Ahmad Khan M.	Green manufacturing – Optimization of novel biodegradable cutting fluid for machining	2023	Materials Today: Proceedings				
4.	Katna R., Suhaib M., Agrawal N.	Development and performance of non-edible oil based green cutting fluid in manufacturing	2023	Materials and Manufacturing Processes	38	3	352	369
5.	Neha E., Suhaib M., Mukherjee S., Shrivastava Y.	Kinematic analysis of four-fingered tendon actuated robotic hand	2023	Australian Journal of Mechanical Engineering	21	2	541	551
6.	Jha A., Soni M., Suhaib M.	Non-Invasive Invitro Modelling and Finite Elemental Analysis of a Uniquely Designed Prosthetic Hand	2022	Evergreen	9	3	729	736
7.	Hussain M.A., Parveen A., Chauhan N.R., Suhaib M., Waseem M.	Statistical analysis and ANN modelling of tribological performance of aluminium hybrid composites fabricated by PM method	2022	Surface Topography: Metrology and Properties	10	3		
8.	Kumar S., Asjad M., James A.T., Suhaib M.	Development of an industry 4.0 transformability index for manufacturing systems	2022	Industrial Robot	49	3	512	526

9.	Kumar S., Asjad M., Suhaib M.	A labelling system and automation comparison index for industry 4.0 system	2022	Industrial Robot	49	3	415	427
10.	Katna R., Suhaib M., Agrawal N.	Performance of non-edible oils as cutting fluids for green manufacturing	2022	Materials and Manufacturing Processes				
11.	Kumar S., Suhaib M., Asjad M., Salah B.	Industry 4.0 and Its Suitability in Post COVID-19	2022	Journal of Industrial Integration and Management	22250012			
12.	Parveen A., Chauhan N.R., Suhaib M.	Influence of compaction pressure and Si3N4/ZrO2 reinforcement on the properties of aluminium hybrid composites	2022	Advances in Materials and Processing Technologies	8	3	2905	2917
13.	Kumar S., Suhaib M., Asjad M.	A Framework for Transforming Indian Sports Goods Manufacturing Industry	2021	South Asian Journal of Business and Management Cases	10	3	313	326
14.	Parveen A., Chauhan N.R., Suhaib M.	Influence of Process Parameters and Reinforcements on Aluminum Hybrid Composites Developed by Powder Metallurgy Process	2021	Physics of Metals and Metallography	122	10	1007	1013
15.	Parveen A., Chauhan N.R., Waseem M., Suhaib M.	Fabrication and analysis of two-wheeler connecting rod for aluminium hybrid composites using finite element method	2021	Engineering Research Express	3	3		
16.	Kumar S., Gupta M., Suhaib M., Asjad M.	Current status, enablers and barriers of implementing cellular manufacturing system in sports industry through ISM	2021	International Journal of System Assurance Engineering and Management	12	3	345	360
17.	Neha E., Mukherjee S., Suhaib M., Shrivastava Y.	An effort for determining the actuating forces in a multi-finger tendon-driven robotic hand for grasping different objects	2021	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	4		

18.	Mohsin M., Qazi M.A., Suhaib M., Naim Shaikh M.B., Misbah M.	Analysis and prediction of the tensile strength of aluminum alloy composite using statistical and artificial neural network technique	2021	Engineering Research Express	3	1		
19.	Waseem M., Ahmad M., Parveen A., Suhaib M.	Inertial relief technique based analysis of the three-wheeler E-vehicle chassis	2021	Materials Today: Proceedings	49		354	358
20.	Katna R., Suhaib M., Agrawal N., Maji S.	A Brief Review on Machining with Hybrid MQL Methods	2021	Lecture Notes in Mechanical Engineering	123	134		
21.	Katna R., Suhaib M., Agrawal N., Maji S.	A Short Review on Machining with Ultrasonic MQL Method	2021	Lecture Notes in Mechanical Engineering	713	720		
22.	Tanveer M.Q., Suhaib M., Haleem A.	A Retrospective Investigation of Mechanical and Physical Properties of ABS Specimen Developed by Manual Injection Moulding and Fused Deposition Modelling	2021	Lecture Notes in Mechanical Engineering	965	978		
23.	Neha E., Suhaib M., Asthana S., Mukherjee S.	Grasp analysis of a four-fingered robotic hand based on matlab simmechanics	2020	Journal of Computational and Applied Research in Mechanical Engineering	9	2	169	182
24.	Neha E., Orlando M.F., Suhaib M., Shrivastava Y.	An effort for resolving redundancy of a multi-finger robotic hand in straight-line motions	2020	Journal of the Brazilian Society of Mechanical Sciences and Engineering	42	11		
25.	Katna R., Agrawal N., Suhaib M.	A Short Review on Machining with Ultrasonic MQL Method	2020	IOP Conference Series: Materials Science and Engineering	802	1		
26.	Kumar S., Suhaib M., Asjad M.	Industry 4.0: Complex, disruptive, but inevitable	2020	Management and Production Engineering Review	11	1	43	51
27.	Waseem M., Sherwani A.F., Suhaib M.	Driving Pattern-based Optimization and Design of	2020	International Journal of Performability Engineering	16	3	342	353

		Electric Propulsion System for Three-Wheeler Battery Vehicle						
28.	Katna R., Suhaib M., Agrawal N.	Nonedible vegetable oil-based cutting fluids for machining processes–a review	2020	Materials and Manufacturing Processes	35	1	1	32
29.	Waseem M., Sherwani A.F., Suhaib M.	Application of Renewable Solar Energy with Autonomous Vehicles: A Review	2020	Lecture Notes in Civil Engineering	58		135	142
30.	Waseem M., Sherwani A.F., Suhaib M.	Highway Gradient Effects on Hybrid Electric Vehicle Performance	2020	Lecture Notes in Civil Engineering	58		583	592
31.	Kumar S., Suhaib M., Asjad M.	Narrowing the barriers to Industry 4.0 practices through PCA-Fuzzy AHP-K means	2020	Journal of Advances in Management Research	18	2	200	226
32.	Katna R., Suhaib M., Agrawal N., Jain S., Singh K., Maji S.	Experimental Study on Effect of Green Cutting Fluid and Surfactant on Temperature in Turning Operation	2020	Lecture Notes in Mechanical Engineering	437	449		
33.	Kumar S., Suhaib M., Asjad M.	Analyzing the barriers to industry 4.0 through best-worst method	2020	International Journal of Performability Engineering	16	1	27	36
34.	Tanveer M.Q., Suhaib M., Haleem A.	A New 3D Benchmarking Artifact to Evaluate Dimensional Accuracy and Geometric Tolerancing of Additive Manufacturing Technique	2020	Lecture Notes in Mechanical Engineering	261	273		
35.	Tanveer M.Q., Haleem A., Suhaib M.	Effect of variable infill density on mechanical behaviour of 3-D printed PLA specimen: an experimental investigation	2019	SN Applied Sciences	1	12		
36.	Tanveer M.Q., Suhaib M., Haleem A.	Geometrical Benchmarking evaluation of ProJet 3D printer	2019	Engineering Research Express	1	2		

		using proposed simplified 3D Artifact						
37.	Waseem M., Sherwani A.F., Suhaib M.	Designing and Modelling of Power Converter for Renewable Powered Hybrid Vehicle	2019	2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings	2019- November	8975549		
38.	Waseem M., Sherwani A.F., Suhaib M.	Integration of solar energy in electrical, hybrid, autonomous vehicles: a technological review	2019	SN Applied Sciences	1	11		
39.	Katna R., Suhaib M., Agrawal N., Singh K., Jain S., Maji S.	Green Machining: Studying the impact of viscosity of Green Cutting fluid on surface quality in straight turning	2019	Journal of Physics: Conference Series	1276	1		
40.	Neha E., Suhaib M., Mukherjee S.	Grasp Force Analysis of Four-finger Tendon Actuated Robotic Hand	2019	ACM International Conference Proceeding Series	a8			
41.	Waseem M., Suhaib M., Sherwani A.F.	Modelling and analysis of gradient effect on the dynamic performance of three-wheeled vehicle system using Simscape	2019	SN Applied Sciences	1	3		
42.	Parveen A., Chauhan N.R., Suhaib M.	Study of Si3N4 reinforcement on the morphological and tribo-mechanical behaviour of aluminium matrix composites	2019	Materials Research Express	6	4		
43.	Alam M.S., Suhaib M.	A distinct matrix representation of the planar kinematic chains and isomorphism recognition	2019	Journal of Mechanical Engineering and Sciences	13	4	5717	5734
44.	Waseem M., Sherwani A.F., Suhaib M.	Simscape Modelling and Analysis of Photovoltaic Modules with Boost Converter for Solar Electric Vehicles	2019	Lecture Notes in Electrical Engineering	553		181	191

45.	Parveen A., Chauhan N.R., Suhaib M.	Mechanical and tribological behaviour of Al-ZrO ₂ composites: A review	2019	Lecture Notes in Mechanical Engineering	217	229		
46.	Neha E., Suhaib M., Mukherjee S.	Design issues in multi-finger robotic hands: An overview	2019	Lecture Notes in Mechanical Engineering	335	343		
47.	Ehtesham N., Mukherjee S., Suhaib M.	Object size determination grasped by a four-finger gripper using workspace analysis	2018	Advances in Intelligent Systems and Computing	624		791	798
48.	Mohsin M., Mohd A., Suhaib M., Arif S., Siddiqui M.A.	Investigation of the effect of alumina and compaction pressure on physical, electrical and tribological properties of Al-Fe-Cr-Al ₂ O ₃ powder composites	2017	Materials Research Express	4	10		
49.	Furqan M., Suhaib M., Ahmad N.	Studies on Stewart platform manipulator: A review	2017	Journal of Mechanical Science and Technology	31	9	4459	4470
50.	Ehtesham N., Suhaib M., Khan M.M.	Mobility and connectivity analysis of a multi finger tendon driven robotic gripper	2017	IEEE International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2017 - Proceedings	7975608	229		
51.	Neha E., Suhaib M., Mukherjee S.	Motion planning for a four-fingered robotic hand	2017	ACM International Conference Proceeding Series	Part F132085	a9		
52.	Suhaib M., Mukherjee S.	Finger gaiting for rotation of sphere by multifingered robot hand	2013	ACM International Conference Proceeding Series				
53.	Suhaib M., Khan R.A., Mukherjee S.	Contact force optimization for stable grasp of multifingered robotic grippers	2011	Proceedings of the World Congress on Engineering 2011, WCE 2011	3		2194	2197
54.	Raj T., Shankar R., Suhaib M.	GTA-based framework for evaluating the feasibility of transition to FMS	2010	Journal of Manufacturing Technology Management	21	2	160	187

55.	Raj T., Shankar R., Suhaib M., Khan R.A.	A graph-theoretic approach to evaluate the intensity of barriers in the implementation of FMSs	2010	International Journal of Services and Operations Management	7	1	24	52
56.	Raj T., Shankar R., Suhaib M.	An ISM approach to analyse interaction between barriers of transition to flexible manufacturing system	2009	International Journal of Manufacturing Technology and Management	16	4	417	438
57.	Raj T., Shankar R., Suhaib M.	An ISM approach for modelling the enablers of flexible manufacturing system: The case for India	2008	International Journal of Production Research	46	24	6883	6912
58.	Raj T., Shankar R., Suhaib M., Garg S., Singh Y.	An AHP approach for the selection of Advanced Manufacturing System: A case study	2008	International Journal of Manufacturing Research	3	4	471	498
59.	Raj T., Shankar R., Suhaib M.	A review of some issues and identification of some barriers in the implementation of FMS	2007	International Journal of Flexible Manufacturing Systems	19	1	1	40
Prof. M. N. Karimi								
1.	Khatoun S., Karimi M.N.	Thermodynamic analysis of two evaporator vapor compression refrigeration system with low GWP refrigerants in automobiles	2023	International Journal of Air-Conditioning and Refrigeration	31	1		
2.	Shahid M., Ahamad M., Karimi M.N.	A Fuzzy Multi-criteria Decision-Making Approach for Finding Energy-Efficient Building Model	2023	Lecture Notes in Mechanical Engineering	41	55		

3.	Shahid M., Karimi M.N.	Optimization of energy transmittance through building envelope for hot dry climate	2022	Journal of Thermal Engineering	8	5	595	605
4.	Khatoon S., Karimi M.N.	Refrigerant progression - an investigation into eco-sustainability with evolution and viability of fourth generation refrigerants	2022	Journal of Thermal Engineering	8	4	490	504
5.	Khanam S., Meraj M., Azhar M., Karimi M.N., Ahmad T., Arif M.R., Al-Kouz W.	Comparative performance analysis of photovoltaic modules of different materials for four different climatic zone of India	2021	Urban Climate	39			
6.	Khan M.N., Karimi M.N.	Analysis of heat transfer enhancement in microchannel by varying the height of pin fins at upstream and downstream region	2021	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	235	4	758	767
7.	Mohamed S.A., Karimi M.N.	Analysis and optimization of vapor absorption generator-heat exchanger using kern method and CFD	2020	Journal of Thermal Engineering	6	4	440	459
8.	Kumar V., Karimi M.N., Kamboj S.K.	Comparative analysis of cascade refrigeration system based on energy and exergy using different refrigerant pairs	2020	Journal of Thermal Engineering	6	1	106	116
9.	Kumar U., Karimi M.N., Asjad M.	Parametric optimisation of the organic Rankine cycle for power generation from low-grade waste heat	2016	International Journal of Sustainable Energy	35	8	774	792
10.	Kamboj S.K., Karimi M.N.	A comparison of the performance analysis of the spark ignition engine fuelled with ethanol-iso-	2016	International Journal of Sustainable Energy	35	3	205	216

		octane and methanol–iso-octane fuel blends						
11.	Agrawal B.K., Karimi M.N.	Parametric, exergy and energy analysis of low grade energy based hybrid power and ejector refrigeration cycle	2013	International Journal of Sustainable Building Technology and Urban Development	4	2	170	176
12.	Agrawal B.K., Karimi M.N.	Thermodynamic performance assessment of a novel waste heat based triple effect refrigeration cycle	2012	International Journal of Refrigeration	35	6	1647	1656
13.	Karimi M.N., Kamboj S.K.	Effect of fuel, compression ratios on energetic and exergetic efficiency of spark ignition (SI) engine	2012	Lecture Notes in Engineering and Computer Science	3		1761	1765
14.	Karimi M.N., Haleem A.	Indian implementation of alternative refrigerant technology: A dynamic analysis	2007	Global Journal of Flexible Systems Management	8	3	39	48
15.	Prof. Abdur Rahim							
16.	Rahim A., Akram W., Alam M.M., Islam M.R.	Renewable energy-based pyrolysis technology: Bangladesh perspective	2021	International Journal of Energy, Environment and Economics	28	1	15	30
17.	Akram M.W., Mondal T., Rahman M.T., Rahim A., Mursalin R.	Towards an improved pyrolysis system: Integrating solar energy based pre-heating system	2019	AIP Conference Proceedings	2121			
18.	Joardder M.U.H., Halder P.K., Rahim A., Paul N.	Solar Assisted Fast Pyrolysis: A Novel Approach of Renewable Energy Production	2014	Journal of Engineering (United Kingdom)	2014			

19.	Singh N., Rahim A., Islam M.	Flow characteristics of a symmetric Y-shaped diffusing duct with zero yaw angle	2013	Indian Journal of Engineering and Materials Sciences	20	2	125	131
20.	Rahim A., Alkhafagi D., Talukdar P.	Effect of casing geometry on flow characteristics in a model can-combustor	2012	ASME 2012 Gas Turbine India Conference, GTINDIA 2012	73	78		
21.	Singh N., Rahim A., Islam M.	An experimental investigation over a Y-shaped diffusing duct with 600 mm CL & 764 mm RC with different Yaw angles: A comparative study	2012	International Review of Mechanical Engineering	6	6	1181	1191
22.	Ahmed A.M., Ahmad M., Rahim A.	Investigation of three dimensional air flow characteristic and effect of heated obstruction within room	2011	Heat and Mass Transfer/Waerme- und Stoffuebertragung	47	9	1147	1157
23.	Ahmed A.M., Ahmad M., Rahim A.	Investigation of air flow rates effect in presence of heated obstruction within room	2011	International Journal of Fluid Mechanics Research	38	2	153	166
24.	Ahmed A.M., Ahmad M., Rahim A.	Numerical prediction of effect on air flow rate in the presence of heated obstruction within a room	2010	International Review of Mechanical Engineering	4	6	702	710
25.	Rahim A., Singh S.N., Veeravalli S.V.	Liner dome shape effect on the annulus flow characteristics with and without swirl for a can-combustor model	2007	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy	221	3	359	369
26.	Ali V., Islam M., Rahim A., Ahmad N.	Boundary layer flow and drag estimation on the body of moving car	2006	International Journal of Fluid Mechanics Research	33	6	489	499
27.	Rahim A., Veeravalli S.V., Singh S.N.	Effect of inlet swirl and dump-gap on the wall pressure distribution of a model can-combustor	2002	Indian Journal of Engineering and Materials Sciences	9	6	472	479

Prof. A. N. Siddiquee

1.	Lone N.F., Bajaj D., Gangil N., Khan T., Abidi M.H., Al-Ahmari A., Siddiquee A.N.	Multi principal element alloy particle reinforced metal matrix composites: Synthesis, microstructure, and mechanical aspects	2023	Manufacturing Letters	36		46	51
2.	Dwivedi P., Maheshwari S., Siddiquee A.N.	Fe-SiC-Sn-Mn reinforced surface composite via FSP: A comprehensive analysis	2023	Materials Today Communications	35			
3.	Maqbool A., Lone N.F., Ahmad T., Khan N.Z., Siddiquee A.N.	Effect of hybrid reinforcement and number of passes on microstructure, mechanical and corrosion behavior of WE43 Mg alloy based metal matrix composite	2023	Journal of Manufacturing Processes	89		170	181
4.	Arif M., Kumar D., Siddiquee A.N.	Mechanical properties and defects in friction stir welded acrylonitrile butadiene styrene polymer	2023	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications				
5.	Malik R., Maheshwari S., Siddiquee A.N.	Recent Methodologies of Measuring Residual Stresses in Welded Joints: A Review	2023	Lecture Notes in Mechanical Engineering	521	531		
6.	Al-Sabur R., Serier M., Siddiquee A.N.	Analysis and construction of a pneumatic-powered portable friction stir welding tool for polymer joining	2023	Advances in Materials and Processing Technologies				
7.	Abidi M.H., Moiduddin K.,	Development of Aluminium Metal Foams via Friction Stir	2023	Coatings	13	1		

	Siddiquee A.N., Mian S.H., Mohammed M.K.	Processing by Utilizing MgCO ₃ Precursor						
8.	Singh N., Batra U., Kumar K., Siddiquee A.N.	Evaluating the Electrochemical and In Vitro Degradation of an HA-Titania Nano-Channeled Coating for Effective Corrosion Resistance of Biodegradable Mg Alloy	2023	Coatings	13	1		
9.	Maqbool A., Khan N.Z., Siddiquee A.N., Badruddin I.A., Hussien M., Khan M.I.	Overcoming challenges in using magnesium-based materials for industrial applications using friction-stir engineering	2023	Materials Science and Technology (United Kingdom)	39	9	1039	1049
10.	Hashmi F.A., Mohamed Ali H.B., Lone N.F., Azma R., Siddiquee A.N., Ashraf Mir M., Ahmad T., Mir F.A.	Friction stir welds of aluminium alloy pipes: an investigation of defects and mechanical properties	2023	Advances in Materials and Processing Technologies	9	1	169	185
11.	Chikh A., Serier M., Al-Sabur R., Siddiquee A.N., Gangil N.	Thermal Modeling of Tool-Work Interface during Friction Stir Welding Process	2022	Russian Journal of Non-Ferrous Metals	63	6	690	700
12.	Kumar K., Jain A., Siddiquee A.N.	Special Issue: Multi-Functional Nanostructured Sustainable Coatings	2022	Coatings	12	12		
13.	Suman N.K., Siddiquee A.N., Kar S.	Mechanical Stress Analysis of Zero-Boil-Off Cryostat for a 1.5 T MRI Magnet	2022	Journal of Pressure Vessel Technology, Transactions of the ASME	144	6		
14.	Majeed T., Siddiquee A.N., Mehta Y.	Effect of friction stir welding parameters on microstructure-based defect formation and	2022	Materials Today Communications	33			

		mechanical properties of Tailor Welded Blanks						
15.	Jain V.K., Yadav M.K., Siddiquee A.N., Khan Z.A., Sharma C.	Synthesis of Fe–Al Intermetallic by Mechanical Alloying Process	2022	Journal of The Institution of Engineers (India): Series D	103	2	621	628
16.	Lone N.F., Bajaj D., Gangil N., Mohammed S.M.A.K., Chen D., Siddiquee A.N.	A Novel Study on the Effect of Tool Offset in Friction Stir Processing for Mg-NiTi Composite	2022	Crystals	12	11		
17.	Ali N., Lone N.F., Siddiquee A.N., Imran I., Haider J., Goyal V., Puri V., Sardana T.	A novel hybrid approach to develop bioresorbable material	2022	Journal of Orthopaedics	34		61	66
18.	Zhao S., Xin D., Chen X., Stasic J., Trtica M., Siddiquee A.N., Mohan S.	Microstructure and enhanced tensile properties of AlCo _x CrFeNi high entropy alloys with high Co content fabricated by laser melting deposition	2022	Journal of Alloys and Compounds	917			
19.	Alam M.N., Siddiquee A.N., Khan Z.A., Khan N.Z.	A comprehensive review on wire EDM performance evaluation	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	4	1724	1746
20.	Dwivedi P., Maheshwari S., Abidi M.H., Siddiquee A.N., Haider J., Alkhalefah H.	Toward devising pilot experiments to establish parameter window for FSP of aluminum alloys	2022	Advances in Mechanical Engineering	14	6		
21.	Mir F.A., Khan N.Z., Siddiquee A.N., Parvez S.	Joining of aluminium matrix composites using friction stir welding: A review	2022	Proceedings of the Institution of Mechanical Engineers, Part	236	5	917	932

				L: Journal of Materials: Design and Applications				
22.	Li Z., Zhang J., Liu Y., Zhang Q., Chen X., Sun S., Gangil N., Siddiquee A.N.	Effects of laser energy density on carbide dissolution, element distribution and microstructure evolution of AISI P20 steel after laser surface quenching	2022	International Journal of Advanced Manufacturing Technology	119	11-Dec	7133	7144
23.	Majeed T., Ansari N., Mehta Y., Siddiquee A.N.	Al Alloy Tailor-Welded Blanks Fabrication via Friction Stir Welding: Effect of Shoulder Size	2022	Journal of Manufacturing Science and Engineering, Transactions of the ASME	144	4		
24.	Khan N.Z., Siddiquee A.N., Khan Z.A., Badruddin I.A., Kamangar S., Maqbool A.	Improvement in joint efficiency with high productivity and narrow weld formation in friction stir welding	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	2	383	393
25.	Maqbool A., Khan N.Z., Siddiquee A.N.	Towards Mg Based Light Materials of Future: Properties, Applications, Problems, and Their Mitigation	2022	Journal of Manufacturing Science and Engineering, Transactions of the ASME	144	3		
26.	Ahmad T., Khan N.Z., Mohsin Khan M., Lone N.F., Siddiquee A.N., Ahmad B., Ahmad S., Khan Z.A., Shahid Ul Islam S.	Fabrication and machinability study of Zn-Al-TiC composite using wire EDM with different dielectric media	2022	Advances in Materials and Processing Technologies				
27.	Moiduddin K., Siddiquee A.N., Abidi M.H., Mian S.H., Mohammed M.K.	A study on grain size variation across thick section friction stir weldments	2022	Materials Today: Proceedings	62		1	4
28.	Sharma A., Khan Z.A., Siddiquee A.N.	A short review of the effect of plunge depth on friction stir welding of aluminium pipes	2022	Materials Today: Proceedings	64		1504	1506

29.	Sharma A., Khan Z.A., Siddiquee A.N.	Review of various methods of keyhole removal in friction stir welding sheets and pipes	2022	Materials Today: Proceedings	62		404	409
30.	Rahman M.Z., Siddiquee A.N., Khan Z.A., Ahmad S.	Multi-response optimization of FSP parameters on mechanical properties of surface composite	2022	Materials Today: Proceedings	62		5	8
31.	Arif M., Kumar D., Siddiquee A.N.	Friction stir welding and friction stir spot welding of acrylonitrile butadiene styrene: A review	2022	Materials Today: Proceedings	62		300	308
32.	Jain V.K., Yadav M.K., Siddiquee A.N., Khan Z.A.	Fabrication of surface composites on different aluminium alloys via friction stir process - A review report	2022	Australian Journal of Mechanical Engineering				
33.	Li Q., Chen X., Chen X., Siddiquee A.N., B. Deev V., Konovalov S., Wen M.	Microstructure evolution of additively manufactured CoCrFeNiAl _{0.4} high-entropy alloy under thermo-mechanical processing	2022	Journal of Materials Research and Technology	16		442	450
34.	Majeed T., Mehta Y., Siddiquee A.N.	Al Alloy Tailor Welded Blank Fabrication by Friction Stir Welding: Effect of Double-Pass	2022	Journal of Materials Engineering and Performance	31	1	410	423
35.	Mufazzal S., Khan N.Z., Muzakkir S.M., Siddiquee A.N., Khan Z.A.	A new fuzzy multi-criteria decision-making method based on proximity index value	2022	Journal of Industrial and Production Engineering	39	1	42	58
36.	Rahman M.Z., Khan Z.A., Siddiquee A.N., Abidi M.H., Aboudaif M.K., Al-Ahmari A.	Mechanical and microstructural characterization of Ti-SiC reinforced AA5083 surface composites fabricated via friction stir process	2021	Materials Research Express	8	12		

37.	Gangil N., Siddiquee A.N., Mufazzal S., Muzakkir S.M., Maheshwari S.	Shape memory alloy based NiTi reinforced functionally graded material for vibration damping	2021	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	235	12	2771	2782
38.	Majeed T., Mehta Y., Siddiquee A.N.	Precipitation-dependent corrosion analysis of heat treatable aluminum alloys via friction stir welding, a review	2021	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	235	24	7600	7626
39.	Moiduddin K., Siddiquee A.N., Abidi M.H., Mian S.H., Mohammed M.K.	Friction stir welding of thick plates of 4y3gd mg alloy: An investigation of microstructure and mechanical properties	2021	Materials	14	22		
40.	Jacob A., Maheshwari S., Siddiquee A.N., Al-Ahmari A., Abidi M.H., Kononov S., Chen X.	The effects of in-process cooling during friction stir welding of 7475 aluminium alloy [Kesan proses penyejukan dalam semasa kimpalan kacauan geseran aloi aluminium 7475]	2021	Sains Malaysiana	50	9	2743	2754
41.	Yadav M.K., Siddiquee A.N., Khan Z.A.	Characterization of Ti–Al Intermetallic Synthesized by Mechanical Alloying Process	2021	Metals and Materials International	27	7	2378	2386
42.	Suman N., Siddiquee A.N., Kar S.	Thermal shield of the zero-boil-off cryostat for a 1.5T magnetic resonance imaging magnet	2021	Cryogenics	116			
43.	Khan T., Bajaj D., Siddiquee A.N.	Friction stir engineering for fabrication of ultra-refined CuNiMgZn alloys	2021	Materials Letters	291			
44.	Moiduddin K., Siddiquee A.N., Abidi M.H., Mian S.H., Mohammed M.K.	On novel copper based alloys development via friction stir alloying	2021	Crystals	11	5		

45.	Majeed T., Mehta Y., Siddiquee A.N.	Challenges in joining of unequal thickness materials for aerospace applications: A review	2021	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	235	4	934	945
46.	Bajaj D., Siddiquee A.N., Zaman Khan N., Mukhopadhyay A.K., Khan Mohammed S.M.A., Chen D., Gangil N.	Flow, process forces and strains during Friction Stir Welding: A comprehensive First principle approach	2021	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	235	5	912	924
47.	Dwivedi P., Siddiquee A.N., Maheshwari S.	Issues and Requirements for Aluminum Alloys Used in Aircraft Components: State of the Art	2021	Russian Journal of Non-Ferrous Metals	62	2	212	225
48.	Majeed T., Mehta Y., Siddiquee A.N.	Analysis of tool wear and deformation in friction stir welding of unequal thickness dissimilar Al alloys	2021	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	235	3	501	512
49.	Huang L., Chen X., Konovalov S., Siddiquee A.N., Lu G., Pan X.	The effect of wire feeding speed on solidification cracking of cmt welding for al-si alloys	2021	Metals	11	2	1	13
50.	Gangil N., Maheshwari S., Siddiquee A.N., Khan N.Z., Chen X., Konovalov S.	Microstructural characterization and tribological behavior of surface composites fabricated on AA7050-T7451 alloy via friction stir processing	2021	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	235	2	351	359
51.	Attri R., Khan N.Z., Siddiquee A.N., Khan Z.A.	Analysing the barriers to successful implementation of total quality management in Indian manufacturing	2021	International Journal of Business Excellence	24	2	275	294

		organisations using best-worst method						
52.	Gani A., Asjad M., Talib F., Khan Z.A., Siddiquee A.N.	Identification, ranking and prioritisation of vital environmental sustainability indicators in manufacturing sector using pareto analysis cum best-worst method	2021	International Journal of Sustainable Engineering	14	3	226	244
53.	Alam M.N., Siddiquee A.N., Khan Z.A.	Experimental Studies on Machining of SiC Under Different Assisted Electrode Conditions Using WEDM	2021	Lecture Notes in Mechanical Engineering	313	318		
54.	Alam M.N., Khan Z.A., Siddiquee A.N.	A Hybrid Multi-criteria Decision-Making Approach for Selection of Sustainable Dielectric Fluid for Electric Discharge Machining Process	2021	Lecture Notes in Mechanical Engineering	519	527		
55.	Chaudhary T., Siddiquee A.N., Chanda A.K., Ahmad S., Badruddin I.A., Khan Z.A.	Multiple response optimization of dimensional accuracy of nimonic alloy miniature gear machined on wire Edm using entropy topsis andpareto anova	2021	CMES - Computer Modeling in Engineering and Sciences	126	1	241	259
56.	Singh A., Asjad M., Gupta P., Khan Z.A., Siddiquee A.N.	Measuring the Relative Importance of Reconfigurable Manufacturing System (RMS) Using Best-Worst Method (BWM)	2021	Lecture Notes in Mechanical Engineering	253	275		
57.	Khan N.Z., Shihab S.K., Attri R., Siddiquee A.N., Khan Z.A.	Prioritization of lower back pain risk factors among industrial workers using the best-worst method	2021	International Journal of Occupational Safety and Ergonomics	27	2	544	551

58.	Bajaj D., Siddiquee A.N., Mukhopadhyay A.K., Ali N.	The Effect of Tool Design on the Friction Stir Welding of Thick Aluminum Alloy AA6082-T651 Extruded Flats	2020	Metallography, Microstructure, and Analysis	9	6	841	855
59.	Ubaid M., Bajaj D., Mukhopadhyay A.K., Siddiquee A.N.	Friction Stir Welding of Thick AA2519 Alloy: Defect Elimination, Mechanical and Micro-Structural Characterization	2020	Metals and Materials International	26	12	1841	1860
60.	Gangil N., Nagar H., Mohammed S.M.A.K., Singh D., Siddiquee A.N., Maheshwari S., Chen D.L.	Fabrication of magnesium-nitip composites via friction stir processing: Effect of tool profile	2020	Metals	10	11	1	11
61.	Gangil N., Siddiquee A.N., Maheshwari S.	Towards applications, processing and advancements in shape memory alloy and its composites	2020	Journal of Manufacturing Processes	59		205	222
62.	Xizhang Chen, Fang Y., Zhao S., Wang Y., Gangil N., Siddiquee A.N., Kononov S.	Electrochemical Corrosion Behavior of X65 Pipeline Steel Joints Welded by Low Temperature Phase Transformation Electrodes	2020	Journal of Surface Investigation	14	5	1097	1111
63.	Abidi M.H., Ali N., Ibrahim H., Anjum S., Bajaj D., Siddiquee A.N., Alkahtani M., Rehman A.U.	T-FSW of dissimilar aerospace grade aluminium alloys: Influence of second pass on weld defects	2020	Metals	10	4		
64.	Wahid M.A., Siddiquee A.N., Khan Z.A.	Aluminum alloys in marine construction: characteristics, application, and problems from a fabrication viewpoint	2020	Marine Systems and Ocean Technology	15	1	70	80

65.	Siddiquee A.N., Pandey S., Abidi M.H., Al-Ahmari A., Khan N.Z., Gangil N.	Microstructural characterization and in-process traverse force during friction stir welding of austenitic stainless steel	2020	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	234	5	1031	1043
66.	Majeed T., Wahid M.A., Alam M.N., Mehta Y., Siddiquee A.N.	Friction stir welding: A sustainable manufacturing process	2020	Materials Today: Proceedings	46		6558	6563
67.	Khan N.Z., Maqbool A., Ahmad T., Siddiquee A.N., Khan Z.A.	Fracture behaviour of friction stir welded dissimilar aluminium alloys	2020	Materials Today: Proceedings	46		6688	6691
68.	Jain V.K., Yadav M.K., Saxena A., Siddiquee A.N., Khan Z.A.	Effect of tool rotational speed on microstructure and mechanical properties of friction stir processed AA5083/Fe-Al in-situ composite	2020	Materials Today: Proceedings	46		6496	6500
69.	Chaudhary T., Siddiquee A.N., Chanda A.K., Abidi M.H., Al-Ahmari A.	Multi-response optimization for Nimonic alloy miniature gear fabrication using wire electrical discharge machining	2020	Advances in Mechanical Engineering	12	10		
70.	Attri R., Khan N.Z., Siddiquee A.N., Khan Z.A.	Quantifying the factors affecting the 5S implementation in manufacturing organisations using graph theory and matrix method	2020	International Journal of Services and Operations Management	37	1	90	113
71.	Ali M., Anjum S., Siddiquee A.N., Khan Z.A., Chen X., Kononov S., Anjum A., Shakeel S., Ibrahim H.	Defect formation during dissimilar aluminium friction stir welded T-joints	2020	Mechanics and Industry	21	2		

72.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	A road map for the implementation of integrated JIT-lean practices in Indian manufacturing industries using the best-worst method approach	2020	Journal of Industrial and Production Engineering	275	291		
73.	Ishrat S.I., Javaid S., Siddiquee A.N., Khan Z.A.	Optimization of the pod manufacturing process parameters using the Taguchi method	2020	Proceedings of the 2016 Industrial and Systems Engineering Research Conference, ISERC 2016	1022	1027		
74.	Attri R., Ashishpal, Khan N.Z., Siddiquee A.N., Khan Z.A.	ISM-MICMAC approach for evaluating the critical success factors of 5S implementation in manufacturing organisations	2020	International Journal of Business Excellence	20	4	521	548
75.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Optimal design of flux for submerged arc weld properties based on RSM coupled with GRA and PCA	2020	International Journal of Manufacturing Technology and Management	34	1	97	109
76.	Shandley R., Maheshwari S., Siddiquee A.N., Mohammed S.M.A.K., Chen D.	Foaming of friction stir processed Al/MgCO ₃ precursor via flame heating	2020	Materials Research Express	7	2		
77.	Wahid M.A., Masood S., Khan Z.A., Siddiquee A.N., Badruddin I.A., Algahtani A.	A simulation-based study on the effect of underwater friction stir welding process parameters using different evolutionary optimization algorithms	2020	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	234	2	643	657
78.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	Ranking model of total quality management enablers in healthcare establishments using the best-worst method	2019	TQM Journal	31	5	790	814

79.	Chen X., Liu K., Guo W., Gangil N., Siddiquee A.N., Kononov S.	The fabrication of NiTi shape memory alloy by selective laser melting: a review	2019	Rapid Prototyping Journal	25	8	1421	1432
80.	Ishrat S.I., Khan Z.A., Siddiquee A.N., Badruddin I.A., Algahtani A., Javaid S., Gupta R.	Optimising parameters for expanded polystyrene based pod production using Taguchi method	2019	Mathematics	7	9		
81.	Gangil N., Maheshwari S., Siddiquee A.N., Abidi M.H., El-Meligy M.A., Mohammed J.A.	Investigation on friction stir welding of hybrid composites fabricated on Al-Zn-Mg-Cu alloy through friction stir processing	2019	Journal of Materials Research and Technology	8	5	3733	3740
82.	Sharma N., Khan Z.A., Siddiquee A.N., Wahid M.A.	Multi-response optimization of friction stir welding process parameters for dissimilar joining of Al6101 to pure copper using standard deviation based TOPSIS method	2019	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	233	18	6473	6482
83.	Wang Y., Chen X., Kononov S., Su C., Siddiquee A.N., Gangil N.	In-situ wire-feed additive manufacturing of Cu-Al alloy by addition of silicon	2019	Applied Surface Science	487		1366	1375
84.	Srivastava M., Rathee S., Siddiquee A.N., Maheshwari S.	Investigation on the Effects of Silicon Carbide and Cooling Medium during Multi-Pass FSP of Al-Mg/ SiC Surface Composites	2019	Silicon	11	4	2149	2157

85.	Gangrade A.K., Phalle V.M., Mantha S.S., Siddiquee A.N.	Influence of eccentricity ratio on stability performance of hydrodynamic conical journal bearing	2019	Journal of Physics: Conference Series	1240	1		
86.	Chaudhary T., Chanda A.K., Siddiquee A.N., Gangil N.	Effect of different dielectric fluids on material removal rate, surface roughness, kerf width and microhardness	2019	Journal of the Brazilian Society of Mechanical Sciences and Engineering	41	8		
87.	Chaudhary T., Siddiquee A.N., Chanda A.K.	Effect of wire tension on different output responses during wire electric discharge machining on AISI 304 stainless steel	2019	Defence Technology	15	4	541	544
88.	Jie Y.J., Kamaruddin S., Mustapha M., Siddiquee A.N., Al-Ahmari A., Khan Z.A., Abidi M.H., Gangil N.	Reclamation of steel shots by acid leaching for powder metallurgy applications	2019	Advances in Mechanical Engineering	11	7		
89.	Khan N.Z., Ansari T.S.A., Siddiquee A.N., Khan Z.A.	Selection of E-learning websites using a novel Proximity Indexed Value (PIV) MCDM method	2019	Journal of Computers in Education	6	2	241	256
90.	Khan N.Z., Bajaj D., Siddiquee A.N., Khan Z.A., Abidi M.H., Umer U., Alkhalefah H.	Investigation on effect of strain rate and heat generation on traverse force in FSW of dissimilar aerospace grade aluminium alloys	2019	Materials	12	10		
91.	Wahid M.A., Khan Z.A., Siddiquee A.N., Shandley R., Sharma N.	Analysis of process parameters effects on underwater friction stir welding of aluminum alloy 6082-T6	2019	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	233	6	1700	1710
92.	Rathee S., Maheshwari S.,	Investigating the Effects of SiC Particle Sizes on Microstructural	2019	Silicon	11	2	797	805

	Siddiquee A.N., Srivastava M.	and Mechanical Properties of AA5059/SiC Surface Composites During Multi-Pass FSP						
93.	Srivastava M., Rathee S., Maheshwari S., Siddiquee A.N.	Investigation on underwater FSP of Al-Mg-Si alloy surface composites	2019	Materials Research Express	6	2		
94.	Goel P., Khan N.Z., Khan Z.A., Ahmari A., Gangil N., Abidi M.H., Siddiquee A.N.	Investigation on material mixing during FSW of AA7475 to AISI304	2019	Materials and Manufacturing Processes	34	2	192	200
95.	Gangil N., Siddiquee A.N., Maheshwari S.	Investigation on the in-process traverse force evolution during surface composites fabrication on Al-Zn-Mg-Cu alloy through friction stir processing	2019	Materials Today: Proceedings	25		686	690
96.	Goel P., Mohd A.W., Sharma N., Siddiquee A.N., Khan Z.A.	Effects of welding parameters in friction stir welding of stainless steel and aluminum	2019	Lecture Notes in Mechanical Engineering	815	823		
97.	Wahid M.A., Sharma N., Goel P., Khan Z.A., Siddiquee A.N.	Temperature and traverse force analysis during underwater friction stir welding	2019	Lecture Notes in Mechanical Engineering	41	49		
98.	Srivastava M., Rathee S., Maheshwari S., Siddiquee A.N.	Optimisation of friction stir processing parameters to fabricate AA6063/SiC surface composites using Taguchi technique	2019	International Journal of Materials and Product Technology	58	1	16	31
99.	Wahid M.A., Siddiquee A.N., Khan Z.A., Majeed T., Sharma N.	Friction stir welding of AA-5754 in water and air: A comparative study	2019	Materials Research Express	6	1		

100.	Khan N.Z., Siddiquee A.N., Khan Z.A.	Proposing a new relation for selecting tool pin length in friction stir welding process	2018	Measurement: Journal of the International Measurement Confederation	129		112	118
101.	Chen X., Su C., Wang Y., Siddiquee A.N., Kononov S., Jayalakshmi S., Singh R.A.	Cold Metal Transfer (CMT) Based Wire and Arc Additive Manufacture (WAAM) System	2018	Journal of Surface Investigation	12	6	1278	1284
102.	Yadav M.K., Siddiquee A.N., Khan Z.A.	Fabrication of promising material 'titanium aluminide': methods and issues (a status report)	2018	Materials Research Express	5	11		
103.	Khan N.Z., Siddiquee A.N., Khan Z.A., Ubaid M., Bajaj D., Atif M., Khan A.	Microstructure evolution of Friction Stir Welded Dissimilar Aerospace Aluminium Alloys	2018	IOP Conference Series: Materials Science and Engineering	404	1		
104.	Gangil N., Maheshwari S., Siddiquee A.N.	Novel Use of Distribution Facilitators and Time-Temperature Range for Strengthening in Surface Composites on AA7050-T7451	2018	Metallography, Microstructure, and Analysis	7	5	561	577
105.	Gangil N., Maheshwari S., Nasr E.A., El-Tamimi A.M., El-Meligy M.A., Siddiquee A.N.	Another approach to characterize particle distribution during surface composite fabrication using friction stir processing	2018	Metals	8	8		
106.	Rathee S., Maheshwari S., Siddiquee A.N., Srivastava M.	A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing	2018	Critical Reviews in Solid State and Materials Sciences	43	4	334	366

107.	Jacob A., Maheshwari S., Siddiquee A.N., Gangil N.	Improvements in strength and microstructural behaviour of friction stir welded 7475 aluminium alloy using in-process cooling	2018	Materials Research Express	5	7		
108.	Srivastava M., Rathee S., Maheshwari S., Siddiquee A.N.	Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing	2018	Materials Research Express	5	6		
109.	Yin L., Wang J., Chen X., Liu C., Siddiquee A.N., Wang G., Yao Z.	Microstructures and their distribution within HAZ of X80 pipeline steel welded using hybrid laser-MIG welding	2018	Welding in the World	62	4	721	727
110.	Gangil N., Maheshwari S., Siddiquee A.N.	Multipass FSP on AA6063-T6 Al: Strategy to fabricate surface composites	2018	Materials and Manufacturing Processes	33	7	805	811
111.	Sharma N., Siddiquee A.N., Khan Z.A., Mohammed M.T.	Material stirring during FSW of Al-Cu: Effect of pin profile	2018	Materials and Manufacturing Processes	33	7	786	794
112.	Khan N.Z., Ubaid M., Siddiquee A.N., Khan Z.A., Al-Ahmari A., Chen X., Abidi M.H.	Microstructural features of friction stir welded dissimilar Aluminium alloys AA2219-AA7475	2018	Materials Research Express	5	5		
113.	Sharma N., Khan Z.A., Siddiquee A.N., Shihab S.K., Wahid M.A.	Effect of process parameters on microstructure and electrical conductivity during FSW of Al-6101 and Pure Copper	2018	Materials Research Express	5	4		
114.	Wahid M.A., Siddiquee A.N., Khan Z.A., Sharma N.	Analysis of cooling media effects on microstructure and	2018	Materials Research Express	5	4		

		mechanical properties during FSW/UFSW of AA 6082-T6						
115.	Rathee S., Maheshwari S., Siddiquee A.N.	Issues and strategies in composite fabrication via friction stir processing: A review	2018	Materials and Manufacturing Processes	33	3	239	261
116.	Rathee S., Maheshwari S., Siddiquee A.N., Srivastava M.	Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy	2018	Materials and Manufacturing Processes	33	3	262	269
117.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Experimental study on effect of flux composition on element transfer during submerged arc welding	2018	Sadhana - Academy Proceedings in Engineering Sciences	43	2		
118.	WAHID M.A., KHAN Z.A., SIDDIQUEE A.N.	Review on underwater friction stir welding: A variant of friction stir welding with great potential of improving joint properties	2018	Transactions of Nonferrous Metals Society of China (English Edition)	28	2	193	219
119.	Goel P., Siddiquee A.N., Khan N.Z., Hussain M.A., Khan Z.A., Abidi M.H., Al-Ahmari A.	Investigation on the effect of tool pin profiles on mechanical and microstructural properties of friction stir butt and scarf welded aluminium alloy 6063	2018	Metals	8	1		
120.	Khan Z.A., Siddiquee A.N., Kumar B., Abidi M.H.	Principles of Engineering Economics with Applications, 2nd edition	2018	Principles of Engineering Economics with Applications, 2nd edition	1	520		
121.	Khan N.Z., Siddiquee A.N., Khan Z.A., Bajaj D., Ubaid M.	Understanding the dissimilar friction stir welding through force and temperature evolution	2018	Materials Today: Proceedings	5	9	17125	17131
122.	Gangil N., Maheshwari S., Siddiquee A.N.	Influence of tool pin and shoulder geometries on microstructure of friction stir processed AA6063/SiC composites	2018	Mechanics and Industry	19	2		

123.	Chaudhary T., Siddiquee A.N., Chanda A.K., Khan Z.A.	On micromachining with a focus on miniature gears by non conventional processes: A status report	2018	Archive of Mechanical Engineering	65	1	129	169
124.	Shihab S.K., Khan N.Z., Myla P., Upadhyay S., Khan Z.A., Siddiquee A.N.	Application of MOORA method for multi optimization of GMAW process parameters in stainless steel cladding	2018	Management Science Letters	8	4	241	246
125.	Gangil N., Maheshwari S., Siddiquee A.N.	Surface nanocomposite fabrication on AA6063 aluminium alloy using friction stir processing: An investigation into the effect of the tool-shoulder diameter on the composite microstructure	2018	Materiali in Tehnologije	52	1	77	82
126.	Abidi M.H., Al- Ahmari A.M., Siddiquee A.N., Mian S.H., Mohammed M.K., Rasheed M.S.	An investigation of the micro-electrical discharge machining of nickel-titanium shape memory alloy using grey relations coupled with principal component analysis	2017	Metals	7	11		
127.	SHARMA N., KHAN Z.A., SIDDIQUEE A.N.	Friction stir welding of aluminum to copper—An overview	2017	Transactions of Nonferrous Metals Society of China (English Edition)	27	10	2113	2136
128.	KHAN N.Z., KHAN Z.A., SIDDIQUEE A.N., AL-AHMARI A.M., ABIDI M.H.	Analysis of defects in clean fabrication process of friction stir welding	2017	Transactions of Nonferrous Metals Society of China (English Edition)	27	7	1507	1516
129.	Rathee S., Maheshwari S., Siddiquee A.N., Srivastava M.	Investigating Effects of Groove Dimensions on Microstructure and Mechanical Properties of AA6063/SiC Surface	2017	Transactions of the Indian Institute of Metals	70	3	809	816

		Composites Produced by Friction Stir Processing						
130.	Rathee S., Srivastava M., Maheshwari S., Siddiquee A.N.	Effect of varying spatial orientations on build time requirements for FDM process: A case study	2017	Defence Technology	13	2	92	100
131.	Rathee S., Maheshwari S., Siddiquee A.N., Srivastava M.	Effect of tool plunge depth on reinforcement particles distribution in surface composite fabrication via friction stir processing	2017	Defence Technology	13	2	86	91
132.	Khan N.Z., Siddiquee A.N., Khan Z.A.	Friction stir welding: Dissimilar aluminum alloys	2017	Friction Stir Welding: Dissimilar Aluminium Alloys	1	168		
133.	Siddiquee R.Y., Khan Z.A., Siddiquee A.N.	Prioritizing decision criteria of flexible manufacturing systems using fuzzy TOPSIS	2017	Journal of Manufacturing Technology Management	28	7	913	927
134.	Gangil N., Siddiquee A.N., Maheshwari S.	Aluminium based in-situ composite fabrication through friction stir processing: A review	2017	Journal of Alloys and Compounds	715		91	104
135.	Rathee S., Maheshwari S., Siddiquee A.N., Srivastava M.	Analysis of Microstructural Changes in Enhancement of Surface Properties in Sheet Forming of Al alloys via Friction Stir Processing	2017	Materials Today: Proceedings	4	2	452	458
136.	Khan N.Z., Siddiquee A.N., Khan Z.A., Mukhopadhyay A.K.	Mechanical and microstructural behavior of friction stir welded similar and dissimilar sheets of AA2219 and AA7475 aluminium alloys	2017	Journal of Alloys and Compounds	695		2902	2908
137.	Wahid M.A., Siddiquee A.N., Khan Z.A., Asjad M.	Friction Stir Welds of Al Alloy-Cu: An Investigation on Effect of Plunge Depth	2016	Archive of Mechanical Engineering	63	4	619	634

138.	Singh B., Khan Z.A., Siddiquee A.N., Maheswari S., Sharma S.K.	Effect of Flux Composition on the Percentage Elongation and Tensile Strength of Welds in Submerged Arc Welding	2016	Archive of Mechanical Engineering	63	3	337	354
139.	Singh B., Khan Z.A., Siddiquee A.N., Maheshwari S.	Effect of CaF ₂ , FeMn and NiO additions on impact strength and hardness in submerged arc welding using developed agglomerated fluxes	2016	Journal of Alloys and Compounds	667		158	169
140.	Shihab S.K., Khan Z.A., Siddiquee A.N., Khan N.Z.	A Novel Approach to Enhance Performance of Multilayer Coated Carbide Insert in Hard Turning	2015	Archive of Mechanical Engineering	62	4	539	552
141.	Mohammed M.T., Khan Z.A., Manivasagam G., Siddiquee A.N.	Influence of thermomechanical processing on biomechanical compatibility and electrochemical behavior of new near beta alloy, Ti-20.6Nb-13.6Zr-0.5V	2015	International Journal of Nanomedicine	10		223	235
142.	Khan N.Z., Siddiquee A.N., Khan Z.A., Shihab S.K.	Investigations on tunneling and kissing bond defects in FSW joints for dissimilar aluminum alloys	2015	Journal of Alloys and Compounds	648		360	367
143.	Mohammed M.T., Khan Z.A., Geetha M., Siddiquee A.N.	Microstructure, mechanical properties and electrochemical behavior of a novel biomedical titanium alloy subjected to thermo-mechanical processing including aging	2015	Journal of Alloys and Compounds	634		272	280
144.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Optimization of wire electrical discharge machining process parameters on material removal	2015	Proceedings of the Institution of Mechanical Engineers, Part	229	5	802	812

		rate for Al7075/SiC/Alhybrid composite		B: Journal of Engineering Manufacture				
145.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Multi-response optimization of wire electrical discharge machining process parameters for Al7075/Al2O3/SiC hybrid composite using Taguchi-based grey relational analysis	2015	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	229	2	229	237
146.	Mohammed M.T., Khan Z.A., Geetha M., Siddiquee A.N., Mishra P.	Influence of thermo-mechanical processing on microstructure, mechanical properties and corrosion behavior of a new metastable β -titanium biomedical alloy	2015	Bulletin of Materials Science	38	1	247	258
147.	Khan Z.A., Shihab S.K., Siddiquee A.N.	Analysis of chip morphology in dry hard turning of AISI 52100 alloy steel using RSM	2015	International Journal of Machining and Machinability of Materials	17	6	481	506
148.	Khan N.Z., Khan Z.A., Siddiquee A.N.	Effect of Shoulder Diameter to Pin Diameter (D/d) Ratio on Tensile Strength of Friction Stir Welded 6063 Aluminium Alloy	2015	Materials Today: Proceedings	2	04-May	1450	1457
149.	Siddiquee A.N., pandey S., Khan N.Z.	Friction Stir Welding of Austenitic Stainless Steel: A Study on Microstructure and Effect of Parameters on Tensile Strength	2015	Materials Today: Proceedings	2	04-May	1388	1397
150.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	Optimization of surface integrity in dry hard turning using RSM	2014	Sadhana - Academy Proceedings in Engineering Sciences	39	5	1035	1053
151.	Khan N.Z., Khan Z.A., Siddiquee A.N., Chanda A.K.	Investigations on the effect of wire EDM process parameters on surface integrity of HSLA: a	2014	Production and Manufacturing Research	2	1	501	518

		multi-performance characteristics optimization						
152.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	A review of turning of hard steels used in bearing and automotive applications	2014	Production and Manufacturing Research	2	1	24	49
153.	Shihab S.K., Khan Z.A., Mohammad A., Siddiquee A.N.	Investigation of surface integrity during wet turning of hard alloy steel	2014	International Journal of Machining and Machinability of Materials	16	1	22	37
154.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	An investigation on effects of wire electrical discharge machining parameters on surface roughness of newly developed hybrid metal matrix composite	2014	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	228	5	653	662
155.	Siddiquee A.N., Pandey S.	Experimental investigation on deformation and wear of WC tool during friction stir welding (FSW) of stainless steel	2014	International Journal of Advanced Manufacturing Technology	73	01-Apr	479	486
156.	Lal S., Kumar S., Khan Z.A., Siddiquee A.N.	Wire electrical discharge machining of AA7075/SiC/Al ₂ O ₃ hybrid composite fabricated by inert gas-assisted electromagnetic stir-casting process	2014	Journal of the Brazilian Society of Mechanical Sciences and Engineering	36	2	335	346
157.	Kamaruddin S., Khan Z.A., Siddiquee A.N., Wong Y.-S.	The impact of variety of orders and different number of workers on production scheduling performance A simulation approach	2013	Journal of Manufacturing Technology Management	24	8	1123	1142
158.	Siddiquee A.N., Khan Z.A., Tomar J.S.	Investigation and optimisation of machining parameters for micro-countersinking of AISI 420 stainless steel	2013	International Journal of Machining and Machinability of Materials	14	3	230	256

159.	Goel P., Khan Z.A., Siddiquee A.N., Kamaruddin S., Gupta R.K.	Influence of slab milling process parameters on surface integrity of HSLA: A multi-performance characteristics optimization	2012	International Journal of Advanced Manufacturing Technology	61	09-Dec	859	871
160.	Khan Z.A., Siddiquee A.N., Kamaruddin S.	Optimization of in-feed centreless cylindrical grinding process parameters using grey relational analysis	2012	Pertanika Journal of Science and Technology	20	2	257	268
161.	Mohammed M.T., Khan Z.A., Siddiquee A.N.	Influence of thermal and thermo-mechanical treatments on mechanical compatibility of biomedical titanium alloys: A review	2012	International Review of Mechanical Engineering	6	7	1388	1401
162.	Khan Z.A., Siddiquee A.N., Sheikh M.H.	Selection of optimal condition for finishing of centreless-cylindrical ground parts using grey relational and principal component analyses	2012	International Journal of Materials and Product Technology	43	01-Apr	2	21
163.	Karnwal A., Hasan M.M., Kumar N., Siddiquee A.N., Khan Z.A.	Multi-response optimization of diesel engine performance parameters using thumba biodiesel-diesel blends by applying the Taguchi method and grey relational analysis	2011	International Journal of Automotive Technology	12	4	599	610
164.	Ng C.F., Kamaruddin S., Siddiquee A.N., Khan Z.A.	Experimental investigation on the recycled hdpe and optimization of injection moulding process parameters via taguchi method	2011	International Journal of Mechanical and Materials Engineering	6	1	81	91
165.	Kamaruddin S., Boon K.-W., Khan Z.A., Siddiquee A.N.	Assembly line conversion approach: A simulation evaluation	2011	International Journal of Agile Systems and Management	4	4	342	363

166.	Kamaruddin S., Khoo S.Y., Khan Z.A., Siddiquee A.N.	The effect of layout design on productivity: An empirical study	2011	International Journal of Productivity and Quality Management	7	4	484	500
167.	Khan Z.A., Kamaruddin S., Siddiquee A.N.	Feasibility study of use of recycled High Density Polyethylene and multi response optimization of injection moulding parameters using combined grey relational and principal component analyses	2010	Materials and Design	31	6	2925	2931
168.	Siddiquee A.N., Khan Z.A., Mallick Z.	Grey relational analysis coupled with principal component analysis for optimisation design of the process parameters in in-feed centreless cylindrical grinding	2010	International Journal of Advanced Manufacturing Technology	46	09-Dec	983	992
169.	Mallick Z., Kaleel A.H., Siddiquee A.N.	An expert system for predicting the effects of noise pollution on grass trimming task using fuzzy modeling	2009	International Journal of Applied Environmental Sciences	4	4	389	403
170.	Mallick Z., Siddiquee A.N., Haleem A.	Mobile computing with special reference to readability task under the impact of vibration, colour combination and gender.	2008	Journal of human ergology	37	2	57	66
Prof. S.M. Muzakkir								
1.	Mufazzal S., Muzakkir S.M., Khanam S.	A dynamic model for simulating vibration response of ball bearings with extended outer race	2023	Journal of Sound and Vibration	552			

		defects for precise spall size estimation						
2.	Mufazzal S., Muzakkir S.M., Khanam S.	On the Importance of Modeling Ball Raceway Impact Force for Evaluating the Plastic Deformation at Spall Edge of Rolling Element Bearing: Theoretical Modeling	2023	Journal of Vibration Engineering and Technologies				
3.	Mufazzal S., Muzakkir S.M., Khanam S.	Intelligent Evaluation of Ball Bearing Health Degradation Using Wavelet Packet Transform and k-Nearest Neighbor	2023	Lecture Notes in Mechanical Engineering	367	378		
4.	Mufazzal S., Muzakkir S.M., Khanam S.	Enhancing the Classification Performance of Machine Learning Techniques by Using Hjorth's and Other Statistical Parameters for Precise Tracking of Naturally Evolving Faults in Ball Bearings	2022	International Journal of Acoustics and Vibrations	27	2	138	150
5.	Muzakkir S.M., Hirani H.	Effect of Using Zinc Oxide Nano-particles as Antiwear and Anti-friction Additive in Mineral Oil for a Tribo-pair operating in Mixed Lubrication Regime	2022	Tribology in Industry	44	4	592	598
6.	Mufazzal S., Khan N.Z., Muzakkir S.M., Siddiquee A.N., Khan Z.A.	A new fuzzy multi-criteria decision-making method based on proximity index value	2022	Journal of Industrial and Production Engineering	39	1	42	58
7.	Gangil N., Siddiquee A.N., Mufazzal S., Muzakkir S.M., Maheshwari S.	Shape memory alloy based NiTi reinforced functionally graded material for vibration damping	2021	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	235	12	2771	2782

8.	Mufazzal S., Muzakkir S.M., Khanam S.	Theoretical and experimental analyses of vibration impulses and their influence on accurate diagnosis of ball bearing with localized outer race defect	2021	Journal of Sound and Vibration	513			
9.	Mufazzal S., Masood S., Khan N.Z., Muzakkir S.M., Khan Z.A.	Towards minimization of overall inconsistency involved in criteria weights for improved decision making	2021	Applied Soft Computing	100			
10.	Mufazzal S., Muzakkir S.M., Khanam S.	Numerical Investigation of the Effect of Ball Bearing Geometry on Oil Film Damping Due to Lubricated Contact at Different Loads	2021	Lecture Notes in Mechanical Engineering	11	23		
11.	Mufazzal S., Muzakkir S.M.	Identification of Optimal Alternative as a Prospective Candidate for Further Design Improvements using Preference Selection Index Method	2019	International Conference on Innovations in Control, Communication and Information Systems, ICICCI 2017	8660762			
12.	Lijesh K.P., Doddamani M., Bekinal S.I., Muzakkir S.M.	Multi-objective optimization of stacked radial passive magnetic bearing	2018	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	232	9	1140	1159
13.	Kumar D., Deepak K.B., Muzakkir S.M., Wani M.F., Lijesh K.P.	Enhancing tribological performance of Ti-6Al-4V by sliding process	2018	Tribology - Materials, Surfaces and Interfaces	12	3	137	143
14.	Mufazzal S., Muzakkir S.M.	Investigation of the effect of transverse crack on the modal properties of cantilever beams with different geometries using finite element analysis	2018	2017 Recent Developments in Control, Automation and Power Engineering, RDCAPE 2017	34	38		

15.	Lijesh K.P., Kumar D., Muzakkir S.M., Hirani H.	Thermal and frictional performance evaluation of nano lubricant with multi wall carbon nano tubes (MWCNTs) as nano-additive	2018	AIP Conference Proceedings	1953			
16.	Mufazzal S., Muzakkir S.M.	A new multi-criterion decision making (MCDM) method based on proximity indexed value for minimizing rank reversals	2018	Computers and Industrial Engineering	119		427	438
17.	Mufazzal S., Muzakkir S.M., Jafri H.Z.	Investigation of the Effect of Material on Undamped Free Vibration of Cantilever Beams with Uniform Single Surface Crack	2017	IOP Conference Series: Materials Science and Engineering	225	1		
18.	Muzakkir S.M., Kumar D.	Analysis of a magnetorheological brake with a single low carbon steel disc using ANSYS	2017	IEEE International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2017 - Proceedings	7975558	717		
19.	Lijesh K.P., Muzakkir S.M., Hirani H., Thakre G.D.	Control on wear of journal bearing operating in mixed lubrication regime using grooving arrangements	2016	Industrial Lubrication and Tribology	68	4	458	465
20.	Muzakkir S.M., Lijesh K.P., Hirani H.	Influence of surfactants on tribological behaviors of MWCNTs (multi-walled carbon nano-tubes)	2016	Tribology - Materials, Surfaces and Interfaces	10	2	74	81
21.	Lijesh K.P., Muzakkir S.M., Hirani H.	Failure mode and effect analysis of passive magnetic bearing	2016	Engineering Failure Analysis	62		1	20
22.	Muzakkir S.M.	Novel approach for the design of valve system	2016	International Journal of Applied Engineering Research	11	2	1464	1468

23.	Lijesh K.P., Muzakkir S.M.	Service life estimation of rubber seals	2016	International Journal of Applied Research Engineering	11	2	980	986
24.	Muzakkir S.M.	Design of valve system using up-gradation approach	2016	International Journal of Applied Research Engineering	11	1	692	697
25.	Muzakkir S.M.	Methodology for the control of wear of journal bearing operating in mixed lubrication regime	2016	International Journal of Applied Research Engineering	11	1	665	668
26.	Lijesh K.P., Muzakkir S.M., Hirani H.	Rheological measurement of redispersibility and settling to analyze the effect of surfactants on MR particles	2016	Tribology - Materials, Surfaces and Interfaces	10	1	53	62
27.	Lijesh K.P., Ph. D., Muzakkir S.M.	Service life estimation of rubber seals	2015	International Journal of Applied Research Engineering	10	24	45577	45583
28.	Lijesh K.P., Muzakkir S.M.	Problems related to synthesis and application of MR fluids	2015	International Journal of Applied Research Engineering	10	24	45489	45495
29.	Lijesh K.P., Muzakkir S.M.	Models for boundary lubrication	2015	International Journal of Applied Research Engineering	10	24	45533	45540
30.	Lijesh K.P., Phd, Muzakkir S.M.	Experimental evaluation of MR brake with elliptical profile	2015	International Journal of Applied Research Engineering	10	24	45541	45545
31.	Muzakkir S.M., Lijesh K.P., Hirani H., Thakre G.D.	Effect of cylindricity on the tribological performance of heavily loaded slow-speed journal bearing	2015	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	229	2	178	195
32.	Muzakkir S.M., Talreja V.	Design of flywheel for maximization of storage energy using ANSYS	2015	International Journal of Applied Research Engineering	10	19	40291	40300

33.	Muzakkir S.M., Lijesh K.P., Hirani H.	Failure mode and effect analysis of journal bearing	2015	International Journal of Applied Engineering Research	10	16	37752	37759
34.	Muzakkir S.M., Lijesh K.P., Hirani H.	Fail-safe design of journal bearing hybridized with passive magnetic levitation	2015	International Journal of Applied Engineering Research	10	14	34707	34711
35.	Muzakkir S.M., Kumar S.	Design of mechanical oil seal and gasket	2015	International Journal of Applied Engineering Research	10	12	30911	30926
36.	Lijesh K.P., Muzakkir S.M., Hirani H.	Experimental tribological performance evaluation of nano lubricant using multi-walled carbon nano-tubes (MWCNT)	2015	International Journal of Applied Engineering Research	10	6	14543	14550
37.	Muzakkir S.M., Lijesh K.P., Hirani H.	Tribological failure analysis of a heavily-loaded slow speed hybrid journal bearing	2014	Engineering Failure Analysis	40		97	113
38.	Muzakkir S.M., Hirani H., Thakre G.D.	Lubricant for heavily loaded slow-speed journal bearing	2013	Tribology Transactions	56	6	1060	1068
39.	Muzakkir S.M., Hirani H., Thakre G.D.	Performance evaluation of journal bearings used in sugar mills using Taguchi method	2012	Society of Tribologists and Lubrication Engineers Annual Meeting and Exhibition 2012	121	123		
40.	Muzakkir S.M., Hirani H., Thakre G.D., Tyagi M.R.	Tribological failure analysis of journal bearings used in sugar mills	2011	Engineering Failure Analysis	18	8	2093	2103
Prof. Sabah Khan								
1.	Hussain M.Z., Khan S., Sarmah P.	Effect of dry sliding wear parameters on the specific wear	2023	Proceedings of the Institution of Mechanical Engineers, Part	237	6	1370	1392

		rate of α -MnO ₂ -epoxy nanocomposites		C: Journal of Mechanical Engineering Science				
2.	Hussain M.Z., Khan S.	Fabrication and tribological behavior of MnO ₂ /epoxy nanocomposites	2022	High Performance Polymers	34	7	742	758
3.	Hussain M.Z., Khan S., Khan U.	Optimization of MWCNTs/Al nanocomposite fabrication process parameters for mass density and hardness	2022	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	236	14	8073	8091
4.	Hasan S., Khan S.	Assessment of suitable envelope materials in multi-climate zones of India to construct an economical building	2022	International Journal of Masonry Research and Innovation	7	6	569	588
5.	Ahmad Z., Khan S., Câmara Cozza R., Penchaliah R., Verma V.	Assessment of the tribological behavior of a metallic tribopair: LM25 alloy-Si ₃ N ₄ composites against EN 31 steel	2022	Materials Today: Proceedings	67		431	437
6.	Singh S.K., Khan S., Mishra R.K.	Extraction and Characterization of Nano Fibers from Cotton Fibers and Its Composite	2022	Journal of Natural Fibers	19	16	14788	14802
7.	Hussain M.Z., Khan S., Sarmah P.	Evaluation of EDM Die-Sinking Electrode Wear Rate of COOH-MWCNT/Al Nanocomposite	2022	Lecture Notes in Mechanical Engineering	21	29		
8.	Zakir Hussain M., Khan S., Sarmah P.	Effect of parameters: Milling time and wt. % Al ₂ O ₃ on mass density and hardness of Al ₂ O ₃ /Cu micro-composite	2022	Materials Today: Proceedings	62		671	678
9.	Hasan S., Khan S., Uddin S.	Investigates the Impact of Insulation Material on the Building Performance in Different Weather Zones of India	2022	Lecture Notes in Mechanical Engineering	891	902		

10.	Chauhan P.K., Khan S.	Theoretical Investigation of Physical, Mechanical and Thermal Properties of Al–Cu Functionally Graded Material Through Gradation Laws	2022	Smart Innovation, Systems and Technologies	239		43	53
11.	Waghmare N.K., Khan S.	Extraction and Characterization of Nano-cellulose Fibrils from Indian Sugarcane Bagasse- an Agro Waste	2022	Journal of Natural Fibers	19	13	6230	6238
12.	Bhatia S., Khan S., Angra S.	Effect of the content of silane-functionalized boron carbide on the mechanical and wear performance of B4C reinforced epoxy composites	2021	High Performance Polymers	33	10	1165	1180
13.	Ahmad Z., Khan S.	Mechanical characterization of LM25 alloy matrix composite reinforced with boron carbide	2021	Journal of Composite Materials	55	22	3151	3158
14.	Bhatia S., Khan S., Angra S.	Dry sliding wear characterization of SGM/boron carbide hybrid polymer matrix composite	2021	Polymers and Polymer Composites	29	7	961	970
15.	Singh S.K., Waghmare N.K., Khan S., Mishra R.K.	Mechanical properties of epoxy hybrid composites reinforced with agave fiber and zinc powder	2021	AIP Conference Proceedings	2317			
16.	Akhtar I., Kirmani S., Hasan S., Khan S., Akhtar I.	Advanced control approach for solar assisted electric vehicle drive	2021	Materials Today: Proceedings	46		10806	10810
17.	Hasan S., Khan S., Akhtar I., Kirmani S.	Study of natural insulation materials and compared it with no insulation building	2021	Materials Today: Proceedings	46		10692	10697
18.	Singh S.K., Karloopia J., Khan S., Mishra R.K.	Processing and characterization of hemp nanofiber thermoset polymer composite	2021	Materials Today: Proceedings	46		1341	1348

19.	Kumar Singh S., Khan S., Kumar Mishra R., Karloopia J.	Fabrication and evaluation of mechanical properties of polymer matrix composite using nano fibers as a reinforcement	2021	Materials Today: Proceedings	46		1376	1383
20.	Bhatia S., Angra S., Khan S.	A review on mechanical and tribological characterization of boron carbide reinforced epoxy composite	2021	Advanced Composite Materials	30	4	307	337
21.	Ahmad Z., Khan S., Hasan S.	Microstructural characterization and evaluation of mechanical properties of silicon nitride reinforced LM 25 composite	2020	Journal of Materials Research and Technology	9	4	9129	9135
22.	Hussain M.Z., Khan S., Sarmah P.	Optimization of powder metallurgy processing parameters of Al ₂ O ₃ /Cu composite through Taguchi method with Grey relational analysis	2020	Journal of King Saud University - Engineering Sciences	32	4	274	286
23.	Hasan S., Khan S., Uddin S.	Impact of Phase Change Material (Butyl Stearate) and other insulation material on thermal performance of building envelope in different climates of India	2020	Materials Today: Proceedings	43		706	713
24.	Hussain M.Z., Khan U., Sarmah P., Khan S.	Evaluation of Erosive Wear Rate of Al ₂ O ₃ -Cu Composite	2019	IOP Conference Series: Materials Science and Engineering	577	1		
25.	Bhatia S., Angra S., Khan S.	Mechanical and wear properties of epoxy matrix composite reinforced with varying ratios of solid glass microspheres	2019	Journal of Physics: Conference Series	1240	1		

26.	Dixit S., Kumar A., Kumar S., Waghmare N., Thaku H.C., Khan S.	CFD analysis of biodiesel blends and combustion using Ansys Fluent	2019	Materials Today: Proceedings	26		665	670
27.	Chauhan P.K., Khan S.	Microstructural examination of aluminium-copper functionally graded material developed by powder metallurgy route	2019	Materials Today: Proceedings	25		833	837
28.	Parbin S., Waghmare N.K., Singh S.K., Khan S.	Mechanical properties of natural fiber reinforced epoxy composites: A review	2019	Procedia Computer Science	152		375	379
29.	Khan S., Ahmad Z.	Comparative analysis for coefficient of friction of LM 25 alloy and LM 25 granite composite at different sliding speeds and applied pressure	2018	International Journal of Mechanical and Production Engineering Research and Development	8	3	291	300
30.	Hussain M.Z., Khan U., Jangid R., Khan S.	Hardness and wear analysis of Cu/Al ₂ O ₃ composite for application in EDM electrode	2018	IOP Conference Series: Materials Science and Engineering	310	1		
31.	Hussain M.Z., Khan S., Sarmah P., Khan U.	Analysis of erosive wear of MWCNTs/MnO ₂ nanocomposite	2018	Materials Today: Proceedings	5	11	23559	23567
Prof. A. F. Sherwani								
1.	Rawat P., Goyal A., Sherwani A.F.	A comparative numerical study about the impact of rectangular and T shaped fins on melting of PCM in a rectangular enclosure	2023	Applied Thermal Engineering	228			

2.	Rawat P., Ashwni, Sherwani A.F.	A numerical study on the impact of fin length arrangement and material on the melting of PCM in a rectangular enclosure	2023	International Journal of Heat and Mass Transfer	205			
3.	Ashwni, Sherwani A.F.	Exergy analysis and multi-objective optimisation of ORC using NSGA-II	2023	International Journal of Exergy	40	2	130	143
4.	Ashwni, Sherwani A.F.	Analysis of solar energy driven organic Rankine cycle-vapor compression refrigeration system	2022	Thermal Science and Engineering Progress	35			
5.	Ashwni, Sherwani A.F.	Analysis of organic Rankine cycle integrated multi evaporator vapor-compression refrigeration (ORC-mVCR) system [Analyse du système frigorifique à compression de vapeur à évaporateurs multiples intégré au cycle organique de Rankine (ORC-mVCR)]	2022	International Journal of Refrigeration	138		233	243
6.	Ashwni, Sherwani A.F.	Advanced exergy analysis of renewable heat source driven ORC-VCR system	2022	Materials Today: Proceedings	56		3687	3691
7.	Gambhir D., Sherwani A.F., Arora A., Ashwni	Parametric optimization of blowdown operated double-effect vapour absorption refrigeration system	2022	Journal of Thermal Engineering	8	1	78	89
8.	Tiwari D., Sherwani A.F., Muqem M., Goyal A.	Parametric optimization of organic Rankine cycle using TOPSIS integrated with entropy weight method	2022	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	1	2430	2447
9.	Ashwni, Sherwani A.F.	Thermodynamic analysis of hybrid heat source driven organic	2021	International Journal of Refrigeration	129		267	277

		Rankine cycle integrated flash tank vapor-compression refrigeration system [Analyse thermodynamique d'un système frigorifique à compression de vapeur à cycle organique de Rankine intégré et alimenté par une source de chaleur hybride]						
10.	Ashwni, Sherwani A.F., Tiwari D.	Exergy, economic and environmental analysis of organic Rankine cycle based vapor compression refrigeration system [Analyse exergétique, économique et environnementale d'un système frigorifique à compression de vapeur basé sur le cycle organique de Rankine]	2021	International Journal of Refrigeration	126		259	271
11.	Ashwni, Sherwani A.F., Tiwari D.	Thermodynamic analysis of simple and modified organic Rankine cycle and vapor compression refrigeration (ORC-VCR) systems	2021	Environmental Progress and Sustainable Energy	40	3		
12.	Goyal A., Sherwani A.F., Tiwari D.	Optimization of cyclic parameters for ORC system using response surface methodology (RSM)	2021	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	43	8	993	1006
13.	Tiwari D., Sherwani A.F., Atheaya D.	Thermodynamic analysis of solar power organic Rankine cycle based on experimental data	2021	International Journal of Ambient Energy	42	2	179	186
14.	Waseem M., Sherwani A.F., Suhaib M.	Driving Pattern-based Optimization and Design of	2020	International Journal of Performability Engineering	16	3	342	353

		Electric Propulsion System for Three-Wheeler Battery Vehicle						
15.	Tiwari D., Sherwani A.F., Atheaya D., Kumar A., Kumar N.	Thermodynamic analysis of Organic Rankine cycle driven by reversed absorber hybrid photovoltaic thermal compound parabolic concentrator system	2020	Renewable Energy	147		2118	2127
16.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Taguchi based grey relational analysis for multi response optimisation of diesel engine performance and emission parameters	2020	International Journal of Heavy Vehicle Systems	27	4	441	460
17.	Waseem M., Sherwani A.F., Suhaib M.	Application of Renewable Solar Energy with Autonomous Vehicles: A Review	2020	Lecture Notes in Civil Engineering	58		135	142
18.	Waseem M., Sherwani A.F., Suhaib M.	Highway Gradient Effects on Hybrid Electric Vehicle Performance	2020	Lecture Notes in Civil Engineering	58		583	592
19.	Waseem M., Sherwani A.F., Suhaib M.	Designing and Modelling of Power Converter for Renewable Powered Hybrid Vehicle	2019	2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings	2019- November	8975549		
20.	Waseem M., Sherwani A.F., Suhaib M.	Integration of solar energy in electrical, hybrid, autonomous vehicles: a technological review	2019	SN Applied Sciences	1	11		
21.	Tiwari D., Sherwani A.F., Kumar N.	Optimization and thermo-economic performance analysis of organic Rankine cycles using mixture working fluids driven by solar energy	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	41	15	1890	1907
22.	Waseem M., Suhaib M., Sherwani A.F.	Modelling and analysis of gradient effect on the dynamic	2019	SN Applied Sciences	1	3		

		performance of three-wheeled vehicle system using Simscape						
23.	Tiwari D., Sherwani A.F., Arora A.	Thermodynamic and multi-objective optimisation of solar-driven Organic Rankine Cycle using zeotropic mixtures	2019	International Journal of Ambient Energy	40	2	135	151
24.	Sherwani A.F., Asjad M., Haleem A.	Performance evaluation of solar photovoltaic electricity-generating systems: an Indian perspective	2019	International Journal of Sustainable Engineering	12	1	70	75
25.	Waseem M., Sherwani A.F., Suhaib M.	Simscape Modelling and Analysis of Photovoltaic Modules with Boost Converter for Solar Electric Vehicles	2019	Lecture Notes in Electrical Engineering	553		181	191
26.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Application of the Taguchi based entropy weighted TOPSIS method for optimisation of diesel engine performance and emission parameters	2019	International Journal of Heavy Vehicle Systems	26	1	69	94
27.	Sharma A., Muqem M., Sherwani A.F., Ahmad M.	Optimization of diesel engine input parameters running on Polanga biodiesel to improve performance and exhaust emission using MOORA technique with standard deviation	2018	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	40	22	2753	2770
28.	Tiwari D., Sherwani A.F., Arora A.	Thermodynamic analysis of low-grade solar heat source-powered modified organic Rankine cycle using zeotropic mixture (Butane/R1234yf)	2018	International Journal of Ambient Energy	39	6	606	612

29.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Optimization of diesel engine input parameters for reducing hydrocarbon emission and smoke opacity using Taguchi method and analysis of variance	2018	Energy and Environment	29	3	410	431
30.	Muqem M., Sherwani A.F., Ahmad M., Khan Z.A.	Taguchi-based combined grey relational and principal component analyses for multi-response optimization of diesel engines	2017	Grey Systems	7	3	408	425
31.	Tiwari D., Sherwani A.F., Atheaya D., Arora A.	Energy and exergy analysis of solar driven recuperated organic Rankine cycle using glazed reverse absorber conventional compound parabolic concentrator (GRACCPC) system	2017	Solar Energy	155		1431	1442
32.	Tiwari D., Sherwani A.F., Arora A., Haleem A.	Thermo-economic and multiobjective optimization of saturated and superheated organic Rankine cycle using a low-grade solar heat source	2017	Journal of Renewable and Sustainable Energy	9	5		
33.	Tiwari D., Sherwani A.F., Asjad M., Arora A.	Grey relational analysis coupled with principal component analysis for optimization of the cyclic parameters of a solar-driven organic Rankine cycle	2017	Grey Systems	7	2	218	235
34.	Khan Z.H., Salah N.A., Shahnawaze Ansari M., Sherwani A.F., Habib S.	Studies on carbon mono-oxide gas sensing of carbon nanotubes film	2014	Advanced Science Letters	20	07-Sep	1597	1600

35.	Sherwani A.F., Usmani J.A., Varun	Life cycle assessment of solar PV based electricity generation systems: A review	2010	Renewable and Sustainable Energy Reviews	14	1	540	544
Prof. Anil Kumar Sharma								
1.	Gautam S., Khan M.J., Khan A., Sharma V., Farid F., Sharma A.K.	Enhancement of Natural Convection Heat Transfer in Cylindrical Enclosure with Internal Heat Source	2022	Lecture Notes in Mechanical Engineering	983	992		
2.	Jhade V., Sharma A.K.	Natural convection phenomena in a liquid metal pool due to relocated and heap of heat-generating core debris: Numerical study	2021	Nuclear Engineering and Design	385			
3.	Sarkar R., Vijayanand V.D., Acharya A.K., Sharma A.K., Suresh Kumar R., Prasad Reddy G.V.	Experimental Investigation of the Evolution of Fuel Clad Ballooning Using Real-Time X-ray Imaging and Its Microstructural Studies	2021	Transactions of the Indian Institute of Metals	74	8	1933	1942
4.	I.M. F.S., Jhade V., Sharma A.K., Daniel J.	Investigations on the interaction of surface radiation and turbulent natural convection in enclosures with multiple positions of source and sink	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	2		
5.	Jhade V., Sharma A.K.	Enhancement in heat transfer from heat generating core debris using a passive approach in fast reactors: 3-D CFD analysis	2021	International Journal of Thermal Sciences	160			

6.	Dubey A., Sharma A.K.	Modelling, verifications and safety feedback assessment of annular fast reactor fuel pins with severe accident code MITRA	2020	Nuclear Engineering and Design	364			
7.	Jhade V., Shukla P.K., Jasmin Sudha A., Sharma A.K., Rao E.H., Das S.K., Lydia G., Ponraju D., Nashine B.K., Selvaraj P.	Design of core catchers for sodium cooled FBRs – Challenges	2020	Nuclear Engineering and Design	359			
8.	Jhade V., Sharma A.K., Kasinathan N.	Investigation on post accident heat removal from partial core relocation in lower plenum after CDA in SFRs: 3-D CFD analysis	2020	International Conference on Nuclear Engineering, Proceedings, ICONE	1			
9.	Jhade V., Sharma A.K.	Cooling of heat generating core debris using multiple passive jets in a liquid metal pool of LMFBR	2019	Progress in Nuclear Energy	116		137	147
10.	Dubey A., Sathiyasheela T., Sharma A.K.	In-pin fuel motion dynamics for beginning-of-life core in fast breeder reactors	2019	Nuclear Engineering and Design	347		31	44
11.	Pradeep A., Sharma A.K.	Numerical investigation of single bubble dynamics in liquid sodium pool	2019	Sadhana - Academy Proceedings in Engineering Sciences	44	3		
12.	Pradeep A., Sharma A.K., Rajiniganth M.P., Malathi N., Sivaramakrishna M., Ponraju D., Nashine B.K., Selvaraj P.	Numerical and experimental investigation of air-water system to simulate bubble dynamics in liquid sodium pool	2019	Brazilian Journal of Chemical Engineering	36	4	1475	1485

13.	Dubey A., Sathiyasheela T., Sharma A.K.	Reactivity effects of in-pin fuel motion in modern fast breeder reactors	2019	Lecture Notes in Mechanical Engineering	49	57		
14.	Jhade V., Sharma A.K., Ponraju D., Nashine B.K., Selvaraj P.	Natural convection heat transfer enhancement using cooling pipes in the heat generating debris bed	2019	Lecture Notes in Mechanical Engineering	33	42		
15.	Pradeep A., Sharma A.K., Ponraju D., Nashine B.K., Selvaraj P.	Numerical investigation of single gas bubble rising in liquid column	2019	Lecture Notes in Mechanical Engineering	25	32		
16.	Dubey A., Sathiyasheela T., Sharma A.K.	Reactor dynamics of in-pin fuel motion in fast breeder reactors	2018	Nuclear Engineering and Design	340		431	446
17.	Moorthi A., Sharma A.K.	Investigation of cross flow mixing on rod bundle safety margins using sub-channel analysis framework	2018	Nuclear Engineering and Design	335		30	43
18.	Pradeep A., Sharma A.K.	Semiempirical model for wet scrubbing of bubble rising in liquid pool of sodium-cooled fast reactor	2018	Nuclear Engineering and Technology	50	6	849	853
19.	Moorthi A., Kumar Sharma A., Velusamy K.	A review of sub-channel thermal hydraulic codes for nuclear reactor core and future directions	2018	Nuclear Engineering and Design	332		329	344
20.	Moorthi A., Sharma A.K.	Laminar fluid flow and heat transfer in non-circular sub-channel geometries of nuclear fuel bundle	2018	Progress in Nuclear Energy	103		243	253
21.	Dubey A., Sharma A.K.	Melting and multi-phase flow modelling of nuclear fuel in fast reactor fuel rod	2018	International Journal of Thermal Sciences	125		256	272

22.	Sarkar R., Suresh Kumar R., Jalaldeen S., Sharma A.K., Velusamy K.	Ballooning in fuel clad: The first of its kind approach for its investigation in fast reactors	2018	International Journal of Pressure Vessels and Piping	160		24	33
23.	Acharya A.K., Sharma A.K., Avinash C.S.S.S., Das S.K., Gnanadhas L., Nashine B.K., Selvaraj P.	Investigation of molten fuel coolant interaction phenomena using real time X-ray imaging of simulated woods metal-water system	2017	Nuclear Engineering and Technology	49	7	1442	1450
24.	Rakhi, Sharma A.K., Velusamy K.	Integrated CFD investigation of heat transfer enhancement using multi-tray core catcher in SFR	2017	Annals of Nuclear Energy	104		256	266
25.	Verma L., Kumar Sharma A., Velusamy K.	Thermal hydraulic parametric investigation of decay heat removal from degraded core of a sodium cooled fast Breeder reactor	2017	Nuclear Engineering and Design	313		285	295
26.	Patil S., Sharma A.K., Velusamy K.	Conjugate laminar natural convection and surface radiation in enclosures: Effects of protrusion shape and position	2016	International Communications in Heat and Mass Transfer	76		139	146
27.	Mathai A.M., Sharma A.K., Anandan J., Malarvizhi B., Das S.K., Nashine B.K., Chellapandi P.	Investigation of fragmentation phenomena and debris bed formation during core meltdown accident in SFR using simulated experiments	2015	Nuclear Engineering and Design	292		87	97
28.	Das S.K., Sharma A.K., Hemanth Rao E., Anandan J., Avinash C.H.S.S., Kondala Rao R.,	Post-accident heat removal: Numerical and experimental simulation	2013	Nuclear Engineering and Design	265		1246	1254

	Murthy S.S., Malarvizhi B., Lydia G., Kumaresan M., Ponraju D., Nashine B.K., Chellapandi P.							
29.	Vivek V., Sharma A.K., Balaji C.	A CFD based approach for thermal hydraulic design of main vessel cooling system of pool type fast reactors	2013	Annals of Nuclear Energy	57		269	279
30.	Vivek V., Sharma A.K., Balaji C.	Interaction effects between laminar natural convection and surface radiation in tilted square and shallow enclosures	2012	International Journal of Thermal Sciences	60		70	84
31.	Gnanadhas L., Sharma A.K., Malarvizhi B., Murthy S.S., Hemanth Rao E., Kumaresan M., Ramesh S.S., Harvey J., Nashine B.K., Chellapandi P., Chetal S.C.	PATH - An experimental facility for natural circulation heat transfer studies related to Post Accident Thermal Hydraulics	2011	Nuclear Engineering and Design	241	9	3839	3850
32.	Sharma A.K., Pradeep A., Velusamy K., Chellapandi P., Raj B.	Interaction of natural convection flow in multiple open cavities formed due to horizontal fins	2011	Annals of Nuclear Energy	38	9	1906	1915
33.	Sharma A.K., Velusamy K., Kasinathan N., Chellapandi P., Chetal S.C., Raj B.	Thermal hydraulic analysis towards a robust design of Leak Collection Tray for pool type sodium cooled fast reactors	2010	International Conference on Nuclear Engineering, Proceedings, ICONE	3			
34.	Sharma A.K., Velusamy K., Balaji C.	Turbulent natural convection of heat generating low prandtl fluids in a cylindrical enclosure	2010	International Journal of Heat and Technology	28	1	9	17

35.	Das S.K., Sharma A.K., Parida F.C., Kasinathan N.	Experimental study on thermo-chemical phenomena during interaction of limestone concrete with liquid sodium under inert atmosphere	2009	Construction and Building Materials	23	11	3375	3381
36.	Sharma A.K., Velusamy K., Balaji C.	Turbulent natural convection of sodium in a cylindrical enclosure with multiple internal heat sources: A conjugate heat transfer study	2009	International Journal of Heat and Mass Transfer	52	11-Dec	2858	2870
37.	Sharma A.K., Das S.K., Harvey J.	Experimental and numerical analysis of natural convection in geometrically modeled core catcher of the liquid-metal-cooled fast reactor	2009	Nuclear Technology	165	1	43	52
38.	Sharma A.K., Velusamy K., Balaji C.	Interaction of turbulent natural convection and surface thermal radiation in inclined square enclosures	2008	Heat and Mass Transfer/Waerme- und Stoffuebertragung	44	10	1153	1170
39.	Sharma A.K., Velusamy K., Balaji C.	Conjugate transient natural convection in a cylindrical enclosure with internal volumetric heat generation	2008	Annals of Nuclear Energy	35	8	1502	1514
40.	Sharma A.K., Velusamy K., Balaji C.	Turbulent natural convection in an enclosure with localized heating from below	2007	International Journal of Thermal Sciences	46	12	1232	1241
41.	Sharma A.K., Velusamy K., Balaji C., Venkateshan S.P.	Conjugate turbulent natural convection with surface radiation in air filled rectangular enclosures	2007	International Journal of Heat and Mass Transfer	50	03-Apr	625	639

42.	Parida F.C., Das S.K., Sharma A.K., Rao P.M., Ramesh S.S., Somayajulu P.A., Malarvizhi B., Kasinathan N.	Sodium exposure tests on limestone concrete used as sacrificial protection layer in FBR	2006	International Conference on Nuclear Engineering, Proceedings, ICONE	2006			
43.	Das S.K., Sharma A.K., Jasmin Sudha A., Punitha G., Lydia G., Somayajulu P.A., Murthy S.S., Malarvizhi B., Gopalakrishnan V., Harvey J., Kasinathan N., Rajan M.	Numerical and experimental model studies on thermal hydraulic behavior of FBR internal core catcher assembly	2006	International Conference on Nuclear Engineering, Proceedings, ICONE	2006			
44.	Sharma A.K., Balaji C.	A numerical study of natural convection from a localized heat source in the lower plenum of a fast breeder reactor under failed conditions	2004	Heat and Mass Transfer/Waerme- und Stoffuebertragung	40	11	853	858
Prof. Ali Hasan								
1.	Hasan A.	Experimental Analysis of Hartnell Governor Mechanism in Dynamics of Machinery Laboratory	2022	Lecture Notes in Mechanical Engineering	99	105		
2.	Hasan A.	Study of Isomorphism Among Kinematic Chains of Group-IVC	2022	Lecture Notes in Mechanical Engineering	745	760		

3.	Hasan A.	Study of Kinematic Chains of Group IV-D, E, and F: Part-Distinct Mechanisms	2022	Lecture Notes in Mechanical Engineering	75	83		
4.	Hasan A.	Experimental Analysis of the coefficient of static friction between different pairs of surfaces using Horizontal Plane Apparatus	2021	Journal of Physics: Conference Series	1950	1		
5.	Hasan A.	Experimental Analysis of Porter Governor Mechanism in Dynamics of Machinery Laboratory	2021	Journal of Physics: Conference Series	1950	1		
6.	Mustafa J., Hasan A.	Some Application of Graph Theory to Isomorphic Analysis of Epicyclic Geared Mechanisms	2021	Journal of The Institution of Engineers (India): Series C	102	4	1051	1057
7.	Mustafa J., Hasan A.	Generation of one- DOF epicyclic gear trains with up to eight links	2021	Materials Today: Proceedings	47		4052	4058
8.	Mustafa J., Hasan A.	Comparative study between modified path matrix approach, modified gradient method and Bocher's technique to detect isomorphism in EGTs	2021	Materials Today: Proceedings	47		3907	3910
9.	Hasan A.	Experimental Analysis of Proell Governor Mechanism in Dynamics of Machinery Laboratory	2021	Lecture Notes in Mechanical Engineering	447	453		
10.	Hasan A.	Comparative Study of Watt, Porter, Proell and Hartnell Governor Mechanism	2021	Lecture Notes in Mechanical Engineering	481	497		
11.	Mustafa J., Hasan A., Khan R.A.	An Application of Modified Path Matrix Approach for Detection	2020	Journal of The Institution of Engineers (India): Series C	101	3	463	472

		of Isomorphism Among Epicyclic Gear Trains						
12.	Mustafa J., Hasan A., Khan R.A.	Identification of isomorphism in epicyclic gear trains - A Bocher's approach	2019	Materials Today: Proceedings	25		881	887
13.	Mustafa J., Hasan A., Khan R.A.	An innovative approach for detection of isomorphism of epicyclic gear trains	2019	Materials Today: Proceedings	25		862	867
14.	Hasan A.	Study kinematic chains and distinct mechanisms	2013	1st International and 16th National Conference on Machines and Mechanisms, iNaCoMM 2013	439	443		
15.	Dargar A., Hasan A., Khan R.A.	A method for identification of isomorphism and structural properties of kinematic chains	2011	International Journal of Materials and Structural Integrity	5	4	376	388
16.	Dargar A., Khan R.A., Hasan A.	Application of link adjacency values to detect isomorphism among kinematic chains	2010	International Journal of Mechanics and Materials in Design	6	2	157	162
17.	Dargar A., Hasan A., Khan R.A.	A method of identification of kinematic chains and distinct mechanisms	2009	Computer Assisted Mechanics and Engineering Sciences	16	2	133	141
18.	Dargar A., Hasan A., Khan R.A.	Identification of isomorphism among kinematic chains and inversions using link adjacency values	2009	International Journal of Mechanical and Materials Engineering	4	3	309	315
19.	Hasan A., Khan R.A.	Isomorphism and inversions of kinematic chains upto ten links	2009	Journal of the Institution of Engineers (India): Mechanical Engineering Division	90	APRIL	10	14
20.	Hasan A., Khan R.A.	Isomorphism and inversions of kinematic chains up to ten links using degrees of freedom of kinematic pairs	2008	International Journal of Computational Methods	5	2	329	339

21.	Hasan A., Khan R.A., Mohamed A.	Systematic development of kinematic chains from a given assortment of links	2007	Journal of the Institution of Engineers (India): Mechanical Engineering Division	88	JULY	15	19
Dr. Mohd. Asjad								
1.	Kumar G., Bhujel R.C., Aniket Aggarwal, Gupta D., Yadav A., Asjad M.	Analyzing the barriers for aquaponics adoption using integrated BWM and fuzzy DEMATEL approach in Indian context	2023	Environmental Science and Pollution Research	30	16	47800	47821
2.	James A.T., Asjad M., Panchal R.	Purchase decision making of garage equipment using an integrated fuzzy AHP and grey relation analysis method	2023	Grey Systems	13	2	238	260
3.	Ahmad S., Khan J., Khan Z.A., Asjad M.	A comparative assessment of Conventional and Rough-Based Multi-Criteria methods for failure mode and effects analysis of Root canal treatment	2023	Decision Analytics Journal	6			
4.	Khan S.A., Siddiqui M.A., Asjad M., Khan Z.A., Husain S.	CFD simulation and optimization of natural convection in a vertical annulus with nanofluids	2023	International Journal of Thermal Sciences	185			
5.	Gupta S., Khanna R., Kohli P., Agnihotri S., Soni U., Asjad M.	Risk evaluation of electric vehicle charging infrastructure using Fuzzy AHP – a case study in India	2023	Operations Management Research	16	1	245	258
6.	Kumar S., Singh A., Asjad M., Suhaib M.,	An ISM and AHP-Based Analysis of Barriers to Healthcare 4.0	2023	Journal of Industrial Integration and Management				

	Kulshrestha C., Sirohi S.							
7.	Parmar N.J., James A.T., Asjad M.	Analysis of maintenance outsourcing challenges for belt conveyors in the Industry 4.0 era	2023	Journal of Global Operations and Strategic Sourcing				
8.	James A.T., Asjad M., Kumar G., Chandra Shukla V., Arya V.	Analyzing barriers for implementing new vehicle scrap policy in India	2023	Transportation Research Part D: Transport and Environment	114			
9.	Sharma G., Ahmad S., Mallick Z., Khan Z.A., James A.T., Asjad M., Badruddin I.A., Kamangar S., Javed S., Mohammed A.A., Ahammad N.A.	Risk Factors Assessment of Musculoskeletal Disorders among Professional Vehicle Drivers in India Using an Ordinal Priority Approach	2022	Mathematics	10	23		
10.	Sharma G., Mallick Z., Ahmad S., Khan Z.A., James A.T., Asjad M.	An integrated multi-criteria decision-making approach for estimating the importance of the cognitive function impairment risk factors	2022	Decision Analytics Journal	4			
11.	Gani A., James A.T., Asjad M., Talib F.	Development of a manufacturing sustainability index for MSMEs using a structural approach	2022	Journal of Cleaner Production	353			
12.	Kumar S., Asjad M., James A.T., Suhaib M.	Development of an industry 4.0 transformability index for manufacturing systems	2022	Industrial Robot	49	3	512	526
13.	Kumar S., Asjad M., Suhaib M.	A labelling system and automation comparison index for industry 4.0 system	2022	Industrial Robot	49	3	415	427
14.	Khan S.A., Siddiqui M.A., Khan Z.A., Asjad M., Husain S.	Numerical investigation and implementation of the Taguchi based entropy-ROV method for	2022	International Journal of Thermal Sciences	172			

		optimization of the operating and geometrical parameters during natural convection of hybrid nanofluid in annuli						
15.	James A.T., Kumar G., Khan A.Q., Asjad M.	Maintenance 4.0: implementation challenges and its analysis	2022	International Journal of Quality and Reliability Management				
16.	Kumar S., Suhaib M., Asjad M., Salah B.	Industry 4.0 and Its Suitability in Post COVID-19	2022	Journal of Industrial Integration and Management	22250012			
17.	Ahmad S., Ali M., Khan Z.A., Asjad M.	Investigating the effect of input variables on the performance of FMS followed by multi-response optimization: A simulation study	2022	Materials Today: Proceedings	64		1500	1503
18.	Rathi P., Kumar G., Asjad M., Soni U.	Reliability Improvement of a Multistage Reciprocating Compressor with Redundancies Using Markov Approach	2022	Journal of Industrial Integration and Management				
19.	Gani A., Bhanot N., Talib F., Asjad M.	An integrated DEMATEL-MMDE-ISM approach for analyzing environmental sustainability indicators in MSMEs	2022	Environmental Science and Pollution Research	29	2	2035	2051
20.	Prakash B., Yasin M.Y., Khan A.H., Asjad M., Khan Z.A.	Optimal location and geometry of sensors and actuators for active vibration control of smart composite beams	2022	Australian Journal of Mechanical Engineering	20	4	981	999
21.	Kumar S., Suhaib M., Asjad M.	A Framework for Transforming Indian Sports Goods Manufacturing Industry	2021	South Asian Journal of Business and Management Cases	10	3	313	326
22.	Kumar S., Gupta M., Suhaib M., Asjad M.	Current status, enablers and barriers of implementing cellular	2021	International Journal of System Assurance Engineering and Management	12	3	345	360

		manufacturing system in sports industry through ISM						
23.	Seraj M., Yahya S.M., Anas M., Sutrisno A., Asjad M.	Integrated Taguchi-GRA-PCA for optimising the heat transfer performance of nanofluid in an automotive cooling system	2021	Grey Systems	11	1	152	165
24.	Sarthak K., Kumar G., James A.T., Soni U., Asjad M.	Development of a framework for operational phase life assessment of machine tools using a structural approach	2021	International Journal of Product Lifecycle Management	13	4	317	342
25.	Ahmad S., Khan Z.A., Ali M., Asjad M.	Geometric and Harmonic means based priority dispatching rules for single machine scheduling problems	2021	International Journal of Production Management and Engineering	9	2	93	102
26.	Gani A., Asjad M., Talib F., Khan Z.A., Siddiquee A.N.	Identification, ranking and prioritisation of vital environmental sustainability indicators in manufacturing sector using pareto analysis cum best-worst method	2021	International Journal of Sustainable Engineering	14	3	226	244
27.	Singh A., Asjad M., Gupta P., Khan Z.A., Siddiquee A.N.	Measuring the Relative Importance of Reconfigurable Manufacturing System (RMS) Using Best-Worst Method (BWM)	2021	Lecture Notes in Mechanical Engineering	253	275		
28.	Singh A., Asjad M., Gupta P.	Enhancing the reconfigurability issues of machine tool for reconfigurable manufacturing system (RMS)	2020	Journal of Industrial Integration and Management	5	3	349	363
29.	Qeays I.A., Yahya S.M., Asjad M., Khan Z.A.	Multi-performance optimization of nanofluid cooled hybrid photovoltaic thermal system	2020	Journal of Cleaner Production	256			

		using fuzzy integrated methodology						
30.	Sutrisno A., Gunawan I., Vanany I., Asjad M., Caesarendra W.	An improved modified FMEA model for prioritization of lean waste risk	2020	International Journal of Lean Six Sigma	11	2	233	253
31.	Kumar S., Suhaib M., Asjad M.	Industry 4.0: Complex, disruptive, but inevitable	2020	Management and Production Engineering Review	11	1	43	51
32.	Varshney A., Khan A.H., Yasin M.Y., Khan Z.A., Asjad M.	On the optimal dynamic design of laminated composite folded plates: a multi-criteria decision analysis	2020	Multidiscipline Modeling in Materials and Structures	16	2	322	339
33.	Gani A., Asjad M., Talib F.	Prioritization and Ranking of indicators of sustainable manufacturing in Indian MSMEs using fuzzy AHP approach	2020	Materials Today: Proceedings	46		6631	6637
34.	Farooque R., Asjad M., Rizvi S.J.A.	A current state of art applied to injection moulding manufacturing process - A review	2020	Materials Today: Proceedings	43		441	446
35.	Kumar S., Suhaib M., Asjad M.	Narrowing the barriers to Industry 4.0 practices through PCA-Fuzzy AHP-K means	2020	Journal of Advances in Management Research	18	2	200	226
36.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	A road map for the implementation of integrated JIT-lean practices in Indian manufacturing industries using the best-worst method approach	2020	Journal of Industrial and Production Engineering	275	291		
37.	Kumar S., Suhaib M., Asjad M.	Analyzing the barriers to industry 4.0 through best-worst method	2020	International Journal of Performability Engineering	16	1	27	36
38.	Seraj M., Yahya S.M., Badruddin I.A., Anqi	Multi-response optimization of nanofluid-based I. C. engine	2020	Processes	8	1		

	A.E., Asjad M., Khan Z.A.	cooling system using fuzzy PIV method						
39.	Perveen S., Ashfaq H., Asjad M.	Fault Ranking in PV Module based on Artificial Intelligence Technique (AIT)	2019	2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings	2019- November	8975619		
40.	Singh A., Asjad M., Gupta P.	A conceptual development of reconfigurable drill machine tool (RDMT)	2019	SN Applied Sciences	1	10		
41.	Talib F., Asjad M., Attri R., Siddiquee A.N., Khan Z.A.	Ranking model of total quality management enablers in healthcare establishments using the best-worst method	2019	TQM Journal	31	5	790	814
42.	Singh A., Asjad M., Gupta P., Quamar J.	An Approach to Develop Shaper Cum Slotter Mechanism: A Reconfigurable Machine Tool	2019	South Asian Journal of Business and Management Cases	8	2	195	206
43.	Yahya S.M., Asjad M., Khan Z.A.	Multi-response optimization of TiO ₂ /EG-water nano-coolant using entropy based preference indexed value (PIV) method	2019	Materials Research Express	6	8		
44.	Sherwani A.F., Asjad M., Haleem A.	Performance evaluation of solar photovoltaic electricity-generating systems: an Indian perspective	2019	International Journal of Sustainable Engineering	12	1	70	75
45.	Talib F., Asjad M.	Prioritisation and selection of non-traditional machining processes and their criteria using analytic hierarchy process approach	2019	International Journal of Process Management and Benchmarking	9	4	522	546
46.	Perveen S., Ashfaq H., Asjad M.	A fuzzy-based failure mode effect and criticality analysis of solar photovoltaic systems	2019	International Journal of Reliability and Safety	13	3	194	210

47.	Sutrisno A., Vanany I., Gunawan I., Asjad M.	Lean waste classification model to support the sustainable operational practice	2018	IOP Conference Series: Materials Science and Engineering	337	1		
48.	Asjad M., Talib F.	Selection of optimal machining parameters using integrated MCDM approaches	2018	International Journal of Advanced Operations Management	10	2	109	129
49.	Asjad M., Alam A., Hasan F.	A comparative study of classifier techniques for lift index data analysis	2018	Benchmarking	25	2	632	641
50.	Singh A., Gupta S., Asjad M., Gupta P.	Reconfigurable manufacturing systems: journey and the road ahead	2017	International Journal of System Assurance Engineering and Management	8		1849	1857
51.	Tiwari D., Sherwani A.F., Asjad M., Arora A.	Grey relational analysis coupled with principal component analysis for optimization of the cyclic parameters of a solar-driven organic Rankine cycle	2017	Grey Systems	7	2	218	235
52.	Asjad M., Khan S.	Analysis of maintenance cost for an asset using the genetic algorithm	2017	International Journal of System Assurance Engineering and Management	8	2	445	457
53.	Asjad M., Mallick Z.	Some investigations on the relationship between ergonomic and TQM	2017	International Journal of Industrial and Systems Engineering	27	2	272	294
54.	Wahid M.A., Siddiquee A.N., Khan Z.A., Asjad M.	Friction Stir Welds of Al Alloy-Cu: An Investigation on Effect of Plunge Depth	2016	Archive of Mechanical Engineering	63	4	619	634
55.	Kumar U., Karimi M.N., Asjad M.	Parametric optimisation of the organic Rankine cycle for power generation from low-grade waste heat	2016	International Journal of Sustainable Energy	35	8	774	792

56.	Asjad M., Kulkarni M.S., Gandhi O.P.	Supportability issues of mechanical systems for their useful life	2016	Journal of Engineering, Design and Technology	14	1	33	53
57.	Sharma S.M., Singh S., Singh B., Javaid M., Asjad M.	Some investigations on low back pain amongst workers involved in lifting tasks	2016	International Journal of Procurement Management	9	6	659	683
58.	Asjad M., Kulkarni M.S., Gandhi O.P.	Optimal support strategy for mechanical systems under contract realm	2015	Benchmarking	22	7	1395	1416
59.	Mailleck Z., Asjad M.	A study of operators' computing efficiency with special focus on the readability under different viewing angles of a desktop	2015	Journal of Industrial Engineering International	11	1	131	141
60.	Asjad M., Kulkarni M.S., Gandhi O.P.	An insight to availability for O&M support of mechanical systems	2015	International Journal of Productivity and Quality Management	16	4	462	472
61.	Asjad M., Kulkarni M.S., Gandhi O.P.	Supportability perspectives: Current practices and potential area for future research	2014	International Journal of Industrial and Systems Engineering	17	2	202	223
62.	Asjad M., Kulkarni M.S., Gandhi O.P.	A conceptual framework for capturing supportability attributes of a mechanical system	2014	International Journal of Services and Operations Management	17	1	107	118
63.	Asjad M., Mohite S., Kulkarni M.S., Gandhi O.P.	Opportunistic actions for subassemblies of a reciprocating compressor: An LCC based approach	2013	International Journal of Performability Engineering	9	3	273	285
64.	Asjad M., Kulkarni M.S., Gandhi O.P.	A life cycle cost based approach of O&M support for mechanical systems	2013	International Journal of System Assurance Engineering and Management	4	2	159	172

Dr. Tasmeem A Khan								
1.	Khan T.A., Khan T.A., Yadav A.K., Khan M.E., Kumar M., Srivastava P.K.	Experimental studies on utilization of Neochloris oleoabundans microalgae biodiesel as an alternative fuel for diesel engine	2023	International Journal of Ambient Energy	44	1	115	123
2.	Khan T.A., Khan T.A., Kumar Yadav A.	A hydrodynamic cavitation- assisted system for optimization of biodiesel production from green microalgae oil using a genetic algorithm and response surface methodology approach	2022	Environmental Science and Pollution Research	29	32	49465	49477
3.	Ahmad S., Parvez M., Khan T.A., Siddiqui S.A., Khan O.	Performance comparison of solar-powered cogeneration and trigeneration systems via energy and exergy analyses	2022	International Journal of Exergy	39	4	395	409
4.	Yadav A.K., Khan T.A., Khan T.A., Kumar S.	Methyl ester of Gmelina arborea oil as a substitute for petroleum diesel: an experimental study on its performance and emissions in a diesel engine	2021	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	43	11	1307	1314
5.	Javed M., Shaik A.H., Khan T.A., Imran M., Aziz A., Ansari A.R., Chandan M.R.	Synthesis of stable waste palm oil based CuO nanofluid for heat transfer applications	2018	Heat and Mass Transfer/Waerme- Stoffuebertragung und	54	12	3739	3745
6.	Singh R.K., Gupta A., Kumar A., Khan T.A.	Ranking of barriers for effective maintenance by using TOPSIS approach	2016	Journal of Quality in Maintenance Engineering	22	1	18	34
7.	Khaliq A., Khan T.A.	Energetic and exergetic efficiency analysis of an indirect	2007	International Journal of Exergy	4	1	38	53

		fired air-turbine combined heat and power system						
Dr. Lokesh Kumar								
1.	Shoeb M., Kumar L., Haleem A., Javaid M.	Trends in additive manufacturing: an exploratory study	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	15	25		
2.	Saxena L.K., Jain P.K.	Multi-State Reconfigurable Manufacturing System Configuration Design with Availability Consideration	2021	EAI/Springer Innovations in Communication and Computing	57	73		
3.	Kumar L., Jain P.K., Sharma A.K.	A fuzzy goal programme-based sustainable Greenfield supply network design for tyre retreading industry	2020	International Journal of Advanced Manufacturing Technology	108	09-Oct	2855	2880
4.	Saxena L.K., Jain P.K., Sharma A.K.	A fuzzy goal programme with carbon tax policy for Brownfield Tyre remanufacturing strategic supply chain planning	2018	Journal of Cleaner Production	198		737	753
5.	Saxena L.K., Jain P.K., Sharma A.K.	Tactical supply chain planning for tyre remanufacturing considering carbon tax policy	2018	International Journal of Advanced Manufacturing Technology	97	01-Apr	1505	1528
6.	Saxena L.K., Jain P.K.	An integrated model of dynamic cellular manufacturing and supply chain system design	2012	International Journal of Advanced Manufacturing Technology	62	01-Apr	385	404
7.	Saxena L.K., Jain P.K.	A model and optimisation approach for reconfigurable	2012	International Journal of Production Research	50	12	3359	3381

		manufacturing system configuration design						
8.	Saxena L.K., Jain P.K.	Dynamic cellular manufacturing systems design - A comprehensive model	2011	International Journal of Advanced Manufacturing Technology	53	01-Apr	11	34
9.	Kumar L., Jain P.K.	Part-machine group formation with ordinal-ratio level data & production volume	2009	International Journal of Simulation Modelling	8	2	90	101
10.	Kumar L., Jain P.K.	Part-machine group formation with operation sequence, time and production volume	2008	International Journal of Simulation Modelling	7	4	198	209
Dr. Mohd Javaid								
1.	Tasneem I., Ariz A., Bharti D., Haleem A., Javaid M., Bahl S.	3D Printing Technology and its Significant Applications in the Context of Healthcare Education	2023	Journal of Industrial Integration and Management	8	1	113	130
2.	Javaid M., Haleem A., Suman R.	Digital Twin applications toward Industry 4.0: A Review	2023	Cognitive Robotics	3		71	92
3.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Applications of nanotechnology in medical field: a brief review	2023	Global Health Journal				
4.	Haleem A., Javaid M., Singh R.P., Suman R., Khan S.	Management 4.0: Concept, applications and advancements	2023	Sustainable Operations and Computers	4		10	21
5.	Ashima R., Haleem A., Bahl S., Nandan D., Javaid M.	Automation of AM Via IoT Towards Implementation of e-logistics in Supply Chain for Industry 4.0	2023	Lecture Notes in Mechanical Engineering	181	189		

6.	Javaid M., Haleem A., Singh R.P., Suman R.	3D printing applications for healthcare research and development	2022	Global Health Journal	6	4	217	226
7.	Haleem A., Javaid M.	Enablers, Barriers, and Critical Success Factors for Effective Adoption of Color-Jet 3D Printing Technology	2022	Journal of Industrial Integration and Management	7	4	599	625
8.	Khan I.H., Javaid M.	Role of Internet of Things (IoT) in Adoption of Industry 4.0	2022	Journal of Industrial Integration and Management	7	4	515	533
9.	Javaid M., Haleem A., Singh R.P., Suman R., Hussain B., Rab S.	Extensive Capabilities of Additive Manufacturing and Its Metrological Aspects	2022	Mapan - Journal of Metrology Society of India	37	4	707	720
10.	Ashima R., Haleem A., Javaid M., Rab S.	Understanding the role and capabilities of Internet of Things-enabled Additive Manufacturing through its application areas	2022	Advanced Industrial and Engineering Polymer Research	5	3	137	142
11.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R., Kumar L., Khan I.H.	Exploring the potential of 3D scanning in Industry 4.0: An overview	2022	International Journal of Cognitive Computing in Engineering	3		161	171
12.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Khan I.H.	Evolutionary trends in progressive cloud computing based healthcare: Ideas, enablers, and barriers	2022	International Journal of Cognitive Computing in Engineering	3		124	135
13.	Javaid M., Khan I.H.	Virtual Reality (VR) Applications in Cardiology: A Review	2022	Journal of Industrial Integration and Management	7	2	183	202
14.	Haleem A., Javaid M., Goyal A., Khanam T.	Redesign of Car Body by Reverse Engineering Technique using Steinbichler 3D Scanner and Projet 3D Printer	2022	Journal of Industrial Integration and Management	7	2	171	182

15.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar L.	Significance of 4D printing for dentistry: Materials, process, and potentials	2022	Journal of Oral Biology and Craniofacial Research	12	3	388	395
16.	Haleem A., Javaid M., Singh R.P., Khan S.	Guest editorial: Industry 4.0 special issue	2022	Industrial Robot	49	3	385	
17.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Perspectives of cybersecurity for ameliorative Industry 4.0 era: a review-based framework	2022	Industrial Robot	49	3	582	597
18.	Javaid M., Haleem A., Rab S., Singh R.P., Suman R., Mohan S.	Progressive schema of 5G for Industry 4.0: features, enablers, and services	2022	Industrial Robot	49	3	527	543
19.	Javaid M., Khan I.H., Singh R.P., Rab S., Suman R.	Exploring contributions of drones towards Industry 4.0	2022	Industrial Robot	49	3	476	490
20.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Khan S.	Exploring relationships between Lean 4.0 and manufacturing industry	2022	Industrial Robot	49	3	402	414
21.	Javaid M., Haleem A., Singh R.P., Suman R.	Artificial Intelligence Applications for Industry 4.0: A Literature-Based Study	2022	Journal of Industrial Integration and Management	7	1	83	111
22.	Sharma A., Bahl S., Bagha A.K., Javaid M., Shukla D.K., Haleem A.	Blockchain technology and its applications to combat COVID-19 pandemic	2022	Research on Biomedical Engineering	38	1	173	180
23.	Irfan Ul Haq M., Khuroo S., Raina A., Khajuria S., Javaid M., Farhan Ul Haq M., Haleem A.	3D printing for development of medical equipment amidst coronavirus (COVID-19) pandemic—review and advancements	2022	Research on Biomedical Engineering	38	1	305	315
24.	Javaid M., Khan I.H., Suman R., Khan S.	Role of virtual reality for healthcare education	2022	Extended Reality for Healthcare Systems: Recent	95	113		

				Advances in Contemporary Research				
25.	Shoeb M., Kumar L., Haleem A., Javaid M.	Trends in additive manufacturing: an exploratory study	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing	15	25		
26.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Holography and its applications for industry 4.0: An overview	2022	Internet of Things and Cyber-Physical Systems	2		42	48
27.	Javaid M., Haleem A., Singh R.P., Khan S.	Understanding roles of virtual reality in radiology	2022	Internet of Things and Cyber-Physical Systems	2		91	98
28.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar R.	Studies on the Metrological Need and Capabilities of 3D Scanning Technologies	2022	Journal of Industrial Integration and Management				
29.	Javaid M., Khan S., Haleem A., Rab S.	Adoption of modern technologies for implementing industry 4.0: an integrated MCDM approach	2022	Benchmarking				
30.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R., Kumar L.	Utilization of Robotics for Healthcare: A Scoping Review	2022	Journal of Industrial Integration and Management				
31.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Significant applications of Cobots in the field of manufacturing	2022	Cognitive Robotics	2		222	233
32.	Javaid M., Haleem A., Khan I.H., Singh R.P., Suman R., Mohan S.	Significant Features and Applications of Drones for Healthcare: An Overview	2022	Journal of Industrial Integration and Management	2250024			
33.	Javaid M., Haleem A., Singh R.P., Rab S., Ul Haq M.I., Raina A.	Internet of Things in the global healthcare sector: Significance, applications, and barriers	2022	International Journal of Intelligent Networks	3		165	175

34.	Javaid M., Haleem A., Singh R.P., Suman R.	Enhancing smart farming through the applications of Agriculture 4.0 technologies	2022	International Journal of Intelligent Networks	3		150	164
35.	Javaid M., Haleem A., Pratap Singh R., Suman R., Rab S.	Significance of machine learning in healthcare: Features, pillars and applications	2022	International Journal of Intelligent Networks	3		58	73
36.	Haleem A., Javaid M., Asim Qadri M., Pratap Singh R., Suman R.	Artificial intelligence (AI) applications for marketing: A literature-based study	2022	International Journal of Intelligent Networks	3		119	132
37.	Haleem A., Javaid M., Pratap Singh R., Suman R.	Medical 4.0 technologies for healthcare: Features, capabilities, and applications	2022	Internet of Things and Cyber-Physical Systems	2		12	30
38.	Ammar M., Haleem A., Javaid M., Bahl S., Garg S.B., Shamoon A., Garg J.	Significant applications of smart materials and Internet of Things (IoT) in the automotive industry	2022	Materials Today: Proceedings	68		1542	1549
39.	Javaid M., Haleem A., Singh R.P., Suman R.	Enabling flexible manufacturing system (FMS) through the applications of industry 4.0 technologies	2022	Internet of Things and Cyber-Physical Systems	2		49	62
40.	Haleem A., Javaid M., Qadri M.A., Suman R.	Understanding the role of digital technologies in education: A review	2022	Sustainable Operations and Computers	3		275	285
41.	Javaid M., Haleem A., Pratap Singh R., Khan S., Suman R.	Sustainability 4.0 and its applications in the field of manufacturing	2022	Internet of Things and Cyber-Physical Systems	2		82	90
42.	Agarwal S., Suman R., Bahl S., Haleem A., Javaid M., Sharma M.K., Prakash C., Sehgal S., Singhal P.	Optimisation of cutting parameters during turning of 16MnCr5 steel using Taguchi technique	2022	International Journal on Interactive Design and Manufacturing				

43.	Shamoon A., Haleem A., Bahl S., Javaid M., Prakash C., Budhhi D.	Understanding the role of advanced materials for energy infrastructure and transmission	2022	Materials Today: Proceedings	62		4260	4266
44.	Suhaib Kamran S., Haleem A., Bahl S., Javaid M., Prakash C., Budhhi D.	Artificial intelligence and advanced materials in automotive industry: Potential applications and perspectives	2022	Materials Today: Proceedings	62		4207	4214
45.	Kumar L., Haleem A., Javaid M.	Systematic Development in Medical by Using 3D Printing Technology: A Brief Review	2022	Journal of Industrial Integration and Management				
46.	Javaid M., Haleem A., Singh R.P., Suman R., Gonzalez E.S.	Understanding the adoption of Industry 4.0 technologies in improving environmental sustainability	2022	Sustainable Operations and Computers	3		203	217
47.	Yusuf M., Zaidi A., Haleem A., Bahl S., Javaid M., Bala Garg S., Garg J.	IoT-based low-cost 3D mapping using 2D Lidar for different materials	2022	Materials Today: Proceedings	57		942	947
48.	Ammar M., Haleem A., Javaid M., Bahl S., Nandan D.	Improving the Performance of Supply Chain Through Industry 4.0 Technologies	2022	Lecture Notes in Mechanical Engineering	197	209		
49.	Qazi A.M., Mahmood S.H., Haleem A., Bahl S., Javaid M., Gopal K.	The impact of smart materials, digital twins (DTs) and Internet of things (IoT) in an industry 4.0 integrated automation industry	2022	Materials Today: Proceedings	62		18	25
50.	Shamoon A., Haleem A., Bahl S., Javaid M., Bala Garg S.	Role of energy technologies in response to climate change	2022	Materials Today: Proceedings	62		63	69
51.	Shamoon A., Haleem A., Bahl S., Javaid M., Bala Garg S.,	Environmental impact of energy production and extraction of materials - a review	2022	Materials Today: Proceedings	57		936	941

	Chandmal Sharma R., Garg J.							
52.	Fazal N., Haleem A., Bahl S., Javaid M., Nandan D.	Digital Management Systems in Manufacturing Using Industry 5.0 Technologies	2022	Lecture Notes in Mechanical Engineering	221	234		
53.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Exploring impact and features of machine vision for progressive industry 4.0 culture	2022	Sensors International	3			
54.	Kumar L., Haleem A., Javaid M.	Impact of three dimensional printing in orthopedics	2021	Global Health Journal	5	4	178	182
55.	Javaid M., Haleem A., Pratap Singh R., Khan S., Suman R.	Blockchain technology applications for Industry 4.0: A literature-based review	2021	Blockchain: Research and Applications	2	4		
56.	Raina A., Haq M.I.U., Javaid M., Rab S., Haleem A.	4D Printing for Automotive Industry Applications	2021	Journal of The Institution of Engineers (India): Series D	102	2	521	529
57.	Javaid M., Haleem A., Singh R.P., Suman R.	Significant applications of big data in industry 4.0	2021	Journal of Industrial Integration and Management	6	4	429	447
58.	Suman R., Javaid M., Nandan D., Bahl S., Haleem A.	Electricity generation through water supply pipes in high rise buildings	2021	Journal of Industrial Integration and Management	6	4	449	468
59.	Javaid M., Haleem A., Singh R.P., Suman R., Rab S.	Role of additive manufacturing applications towards environmental sustainability	2021	Advanced Industrial and Engineering Polymer Research	4	4	312	322
60.	Haleem A., Javaid M., Singh R.P., Suman R.	Significant roles of 4D printing using smart materials in the field of manufacturing	2021	Advanced Industrial and Engineering Polymer Research	4	4	301	311
61.	Haleem A., Javaid M., Singh R.P., Suman R.	Quality 4.0 technologies to enhance traditional Chinese medicine for overcoming	2021	Digital Chinese Medicine	4	2	71	80

		healthcare challenges during COVID-19						
62.	Khan S., Haleem A., Deshmukh S.G., Javaid M.	Exploring the impact of COVID-19 pandemic on medical supply chain disruption	2021	Journal of Industrial Integration and Management	6	2	235	255
63.	Softa A., Bahl S., Bagha A.K., Sehgal S., Haleem A., Javaid M.	Tissue engineering and its significance in healthcare during COVID-19 pandemic: Potential applications and perspectives	2021	Journal of Industrial Integration and Management	6	2	221	233
64.	Singh R.P., Haleem A., Javaid M., Kataria R., Singhal S.	Cloud computing in solving problems of COVID-19 pandemic	2021	Journal of Industrial Integration and Management	6	2	209	219
65.	Gupta N., Bahl S., Bagha A.K., Vaid S., Javaid M., Haleem A.	Nanomedicine technology and COVID-19 outbreak: Applications and challenges	2021	Journal of Industrial Integration and Management	6	2	161	174
66.	Bahl S., Bagha A.K., Rab S., Javaid M., Haleem A., Singh R.P.	Advancements in biosensor technologies for medical field and COVID-19 pandemic	2021	Journal of Industrial Integration and Management	6	2	175	191
67.	Vaishya R., Javaid M., Khan I.H., Vaish A., Iyengar K.P.	Significant role of modern technologies for COVID-19 pandemic	2021	Journal of Industrial Integration and Management	6	2	147	159
68.	Javaid M., Khan I.H.	Internet of Things (IoT) enabled healthcare helps to take the challenges of COVID-19 Pandemic	2021	Journal of Oral Biology and Craniofacial Research	11	2	209	214
69.	Khan I.H., Javaid M.	Big data applications in medical field: A literature review	2021	Journal of Industrial Integration and Management	6	1	53	69
70.	Fatma N., Haleem A., Javaid M., Khan S.	Comparison of fused deposition modeling and color jet 3d printing technologies for the printing of mathematical geometries	2021	Journal of Industrial Integration and Management	6	1	105	933

71.	Ammar M., Haleem A., Javaid M., Bahl S., Verma A.S.	Implementing Industry 4.0 technologies in self-healing materials and digitally managing the quality of manufacturing	2021	Materials Today: Proceedings	52		2285	2294
72.	Suhaib Kamran S., Haleem A., Bahl S., Javaid M., Nandan D., Singh Verma A.	Role of smart materials and digital twin (DT) for the adoption of electric vehicles in India	2021	Materials Today: Proceedings	52		2295	2304
73.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Blockchain technology applications in healthcare: An overview	2021	International Journal of Intelligent Networks	2		130	139
74.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Pedagogy and innovative care tenets in COVID-19 pandemic: An enhance way through Dentistry 4.0	2021	Sensors International	2			
75.	Suman R., Javaid M., Choudhary S.K., Haleem A., Singh R.P., Nandan D., Ali S., Rab S.	Impact of COVID-19 Pandemic on Particulate Matter (PM) concentration and harmful gaseous components on Indian metros	2021	Sustainable Operations and Computers	2		1	11
76.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Internet of Behaviours (IoB) and its role in customer services	2021	Sensors International	2			
77.	Javaid M., Abid Haleem, Pratap Singh R., Rab S., Suman R.	Upgrading the manufacturing sector via applications of Industrial Internet of Things (IIoT)	2021	Sensors International	2			
78.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Exploring the potential of nanosensors: A brief overview	2021	Sensors International	2			

79.	Javaid M., Haleem A., Rab S., Pratap Singh R., Suman R.	Sensors for daily life: A review	2021	Sensors International	2			
80.	Haleem A., Javaid M., Singh R.P., Suman R.	Telemedicine for healthcare: Capabilities, features, barriers, and applications	2021	Sensors International	2			
81.	Javaid M., Haleem A.	3D bioprinting applications for the printing of skin: A brief study	2021	Sensors International	2			
82.	Haleem A., Javaid M., Singh R.P., Rab S., Suman R.	Hyperautomation for the enhancement of automation in industries	2021	Sensors International	2			
83.	Haleem A., Javaid M.	Different components, features of Industry 4.0 and their linkage to additive manufacturing	2021	International Journal of Business Innovation and Research	26	3	366	389
84.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Industrial perspectives of 3D scanning: Features, roles and its analytical applications	2021	Sensors International	2			
85.	Javaid M., Haleem A., Singh R.P., Suman R.	Substantial capabilities of robotics in enhancing industry 4.0 implementation	2021	Cognitive Robotics	1		58	75
86.	Javaid M., Haleem A., Singh R.P., Rab S., Suman R.	Significance of sensors for industry 4.0: Roles, capabilities, and applications	2021	Sensors International	2			
87.	Javaid M., Haleem A., Singh R.P., Suman R.	Dentistry 4.0 technologies applications for dentistry during COVID-19 pandemic	2021	Sustainable Operations and Computers	2		87	96
88.	Javaid M., Haleem A., Pratap Singh R., Suman R.	Significance of Quality 4.0 towards comprehensive enhancement in manufacturing sector	2021	Sensors International	2			

89.	Haleem A., Javaid M., Singh R.P., Suman R., Rab S.	Biosensors applications in medical field: A brief review	2021	Sensors International	2			
90.	Haleem A., Javaid M., Singh R.P., Suman R.	Applications of Artificial Intelligence (AI) for cardiology during COVID-19 pandemic	2021	Sustainable Operations and Computers	2		71	78
91.	Shuaib M., Haleem A., Kumar S., Javaid M.	Impact of 3D Printing on the environment: A literature-based study	2021	Sustainable Operations and Computers	2		57	63
92.	Azeem M., Haleem A., Bahl S., Javaid M., Suman R., Nandan D.	Big data applications to take up major challenges across manufacturing industries: A brief review	2021	Materials Today: Proceedings	49		339	348
93.	Azeem M., Haleem A., Javaid M.	Symbiotic Relationship between Machine Learning and Industry 4.0: A Review	2021	Journal of Industrial Integration and Management	2130002			
94.	Sajid S., Haleem A., Bahl S., Javaid M., Goyal T., Mittal M.	Data science applications for predictive maintenance and materials science in context to Industry 4.0	2021	Materials Today: Proceedings	45		4898	4905
95.	Ammar M., Haleem A., Javaid M., Walia R., Bahl S.	Improving material quality management and manufacturing organizations system through Industry 4.0 technologies	2021	Materials Today: Proceedings	45		5089	5096
96.	Fatima S., Haleem A., Bahl S., Javaid M., Mahla S.K., Singh S.	Exploring the significant applications of Internet of Things (IoT) with 3D printing using advanced materials in medical field	2021	Materials Today: Proceedings	45		4844	4851
97.	Rizvi A.T., Haleem A., Bahl S., Javaid M.	Artificial Intelligence (AI) and Its Applications in Indian Manufacturing: A Review	2021	Lecture Notes in Mechanical Engineering	52		825	835

98.	Fatma N., Haleem A., Bahl S., Javaid M.	Prospects of Jewelry Designing and Production by Additive Manufacturing	2021	Lecture Notes in Mechanical Engineering	52		869	879
99.	Ashima R., Haleem A., Bahl S., Javaid M., Mahla S.K., Singh S.	Automation and manufacturing of smart materials in additive manufacturing technologies using Internet of Things towards the adoption of industry 4.0	2021	Materials Today: Proceedings	45		5081	5088
100.	Singh R.P., Javaid M., Haleem A., Vaishya R., Bahl S.	Significance of health information technology (Hit) in context to covid-19 pandemic: Potential roles and challenges	2020	Journal of Industrial Integration and Management	5	4	427	440
101.	Javaid M., Haleem A.	Exploring smart material applications for covid-19 pandemic using 4d printing technology	2020	Journal of Industrial Integration and Management	5	4	481	494
102.	Ali S., Singh R.P., Javaid M., Haleem A., Pasricha H., Suman R., Karloopia J.	A review of the role of smart wireless medical sensor network in covid-19	2020	Journal of Industrial Integration and Management	5	4	413	425
103.	Haleem A., Javaid M.	Medical 4.0 and its role in healthcare during covid-19 pandemic: A review	2020	Journal of Industrial Integration and Management	5	4	531	545
104.	Javaid M., Haleem A., Vaish A., Vaishya R., Iyengar K.P.	Robotics applications in covid-19: A review	2020	Journal of Industrial Integration and Management	5	4	441	451
105.	Javaid M., Haleem A., Singh R.P., Ul Haq M.I., Raina A., Suman R.	Industry 5.0: Potential applications in covid-19	2020	Journal of Industrial Integration and Management	5	4	507	530

106.	Kushwaha S., Bahl S., Bagha A.K., Parmar K.S., Javaid M., Haleem A., Singh R.P.	Significant applications of machine learning for covid-19 pandemic	2020	Journal of Industrial Integration and Management	5	4	453	479
107.	Bahl S., Singh R.P., Javaid M., Khan I.H., Vaishya R., Suman R.	Telemedicine technologies for confronting covid-19 pandemic: A review	2020	Journal of Industrial Integration and Management	5	4	547	561
108.	Haleem A., Javaid M., Vaishya R.	3D printing applications for the treatment of cancer	2020	Clinical Epidemiology and Global Health	8	4	1072	1076
109.	Rab S., Afjal, Javaid M., Haleem A., Vaishya R.	An update on the global vaccine development for coronavirus	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	6	2053	2055
110.	Rab S., Javaid M., Haleem A., Vaishya R.	Face masks are new normal after COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	6	1617	1619
111.	Imtyaz A., Abid Haleem, Javaid M.	Analysing governmental response to the COVID-19 pandemic	2020	Journal of Oral Biology and Craniofacial Research	10	4	504	513
112.	Mishra D., Haleem A., Javaid M.	Analysing the behaviour of doubling rates in 8 major countries affected by COVID-19 virus	2020	Journal of Oral Biology and Craniofacial Research	10	4	478	483
113.	Khan I., Haleem A., Javaid M.	Analysing COVID-19 pandemic through cases, deaths, and recoveries	2020	Journal of Oral Biology and Craniofacial Research	10	4	450	469
114.	Haleem A., Javaid M.	Industry 4.0 and its applications in dentistry	2020	Indian Journal of Dental Research	31	5	824	825
115.	Javaid M., Haleem A.	Critical components of industry 5.0 towards a successful adoption in the field of manufacturing	2020	Journal of Industrial Integration and Management	5	3	327	348

116.	Ali A., Soni M., Javaid M., Haleem A.	A comparative analysis of different rapid prototyping techniques for making intricately shaped structure	2020	Journal of Industrial Integration and Management	5	3	393	407
117.	Shams S.A., Haleem A., Javaid M.	Analyzing COVID-19 pandemic for unequal distribution of tests, identified cases, deaths, and fatality rates in the top 18 countries	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	5	953	961
118.	Javaid M., Haleem A.	3D printing applications towards the required challenge of stem cells printing	2020	Clinical Epidemiology and Global Health	8	3	862	867
119.	Haleem A., Javaid M., Khan I.	Holography applications toward medical field: An overview	2020	Indian Journal of Radiology and Imaging	30	3	354	361
120.	Haleem A., Javaid M., Khan I.H., Vaishya R.	Significant Applications of Big Data in COVID-19 Pandemic	2020	Indian Journal of Orthopaedics	54	4	526	528
121.	Vaishya R., Haleem A., Vaish A., Javaid M.	Emerging Technologies to Combat the COVID-19 Pandemic	2020	Journal of Clinical and Experimental Hepatology	10	4	409	411
122.	Suman R., Javaid M., Haleem A., Vaishya R., Bahl S., Nandan D.	Sustainability of Coronavirus on Different Surfaces	2020	Journal of Clinical and Experimental Hepatology	10	4	386	390
123.	Pratap Singh R., Javaid M., Haleem A., Vaishya R., Ali S.	Internet of Medical Things (IoMT) for orthopaedic in COVID-19 pandemic: Roles, challenges, and applications	2020	Journal of Clinical Orthopaedics and Trauma	11	4	713	717
124.	Singh R.P., Javaid M., Kataria R., Tyagi M., Haleem A., Suman R.	Significant applications of virtual reality for COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	661	664
125.	Singh R.P., Javaid M., Haleem A., Suman R.	Internet of things (IoT) applications to fight against COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	521	524

126.	Javaid M., Haleem A.	Significant advancements of 4D printing in the field of orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S485	S490
127.	Javaid M., Haleem A., Vaishya R., Bahl S., Suman R., Vaish A.	Industry 4.0 technologies and their applications in fighting COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	419	422
128.	Haleem A., Javaid M., Vaishya R., Deshmukh S.G.	Areas of academic research with the impact of COVID-19	2020	American Journal of Emergency Medicine	38	7	1524	1526
129.	Vaishya R., Javaid M., Khan I.H., Haleem A.	Artificial Intelligence (AI) applications for COVID-19 pandemic	2020	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	14	4	337	339
130.	Javaid M., Haleem A.	Impact of industry 4.0 to create advancements in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S491	S499
131.	Haleem A., Javaid M., Khan I.H.	Virtual reality (VR) applications in dentistry: An innovative technology to embrace	2020	Indian Journal of Dental Research	31	4	666	667
132.	Javaid M., Haleem A.	Virtual reality applications toward medical field	2020	Clinical Epidemiology and Global Health	8	2	600	605
133.	Javaid M., Haleem A.	3D printed tissue and organ using additive manufacturing: An overview	2020	Clinical Epidemiology and Global Health	8	2	586	594
134.	Haleem A., Javaid M., Vaishya R., Vaish A.	Effects of COVID-19 pandemic in the field of orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11	3	498	499
135.	Haleem A., Javaid M.	3D printed medical parts with different materials using additive manufacturing	2020	Clinical Epidemiology and Global Health	8	1	215	223
136.	Haleem A., Javaid M., Khan I.H.	Internet of things (IoT) applications in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S105	S106

137.	Haleem A., Vaishya R., Javaid M., Khan I.H.	Artificial Intelligence (AI) applications in orthopaedics: An innovative technology to embrace	2020	Journal of Clinical Orthopaedics and Trauma	11		S80	S81
138.	Haleem A., Javaid M., Khan R.H., Suman R.	3D printing applications in bone tissue engineering	2020	Journal of Clinical Orthopaedics and Trauma	11		S118	S124
139.	Ali S., Choudhary Y., Javaid M., Haleem A., Singh R.P., Suman R., Rab S.	Make-over in the sustainable working platform during COVID-19 pandemic	2020	Sustainable Operations and Computers	1		8	12
140.	Haleem A., Javaid M., Khan S., Khan M.I.	Retrospective investigation of flexibility and their factors in additive manufacturing systems	2020	International Journal of Industrial and Systems Engineering	36	3	400	429
141.	Haleem A., Javaid M., Rab S.	Impact of additive manufacturing in different areas of Industry 4.0	2020	International Journal of Logistics Systems and Management	37	2	225	238
142.	Haleem A., Gupta P., Bahl S., Javaid M., Kumar L.	3D scanning of a carburetor body using COMET 3D scanner supported by COLIN 3D software: Issues and solutions	2020	Materials Today: Proceedings	39		331	337
143.	Suman R., Nandan D., Haleem A., Bahl S., Javaid M.	Comparative study of silicon dioxide and kaolinite ratio for temperature and humidity variations of earth energy enabled cooling system and traditional cooler	2020	Materials Today: Proceedings	28		1598	1604
144.	Suman R., Nandan D., Haleem A., Bahl S., Javaid M.	Experimental study of electroless plating on acrylonitrile butadiene styrene polymer for obtaining new eco-friendly chromium-free processes	2020	Materials Today: Proceedings	28		1575	1579

145.	Vaishya R., Vaish A., Haleem A., Javaid M.	Letter to the Editor on “Digital Orthopedics. A Glimpse Into the Future in the Midst of a Pandemic”	2020	Journal of Cleaner Production				
146.	Javaid M., Haleem A., Khan S., Luthra S.	Different flexibilities of 3D scanners and their impact on distinctive applications: An analysis	2020	International Journal of Business Analytics	7	1	37	43
147.	Haleem A., Javaid M.	Additive manufacturing applications in industry 4.0: A review	2019	Journal of Industrial Integration and Management	4	4		
148.	Haleem A., Javaid M.	Polyether ether ketone (PEEK) and its manufacturing of customised 3D printed dentistry parts using additive manufacturing	2019	Clinical Epidemiology and Global Health	7	4	654	660
149.	Haleem A., Javaid M.	Polyether ether ketone (PEEK) and its 3D printed implants applications in medical field: An overview	2019	Clinical Epidemiology and Global Health	7	4	571	577
150.	Haleem A., Javaid M., Vaishya R.	Holography applications for orthopaedics	2019	Indian Journal of Radiology and Imaging	29	4	477	479
151.	Haleem A., Javaid M.	Expected role of four-dimensional (4D) CT and four-dimensional (4D) MRI for the manufacturing of smart orthopaedics implants using 4D printing	2019	Journal of Clinical Orthopaedics and Trauma	10		S234	S235
152.	Javaid M., Haleem A.	4D printing applications in medical field: A brief review	2019	Clinical Epidemiology and Global Health	7	3	317	321
153.	Gupta P., Haleem A., Javaid M.	Designing of a carburettor body for ethanol blended fuel by using	2019	Journal of Scientific and Industrial Research	78	7	466	472

		CFD analysis tool and 3D scanning technology						
154.	Javaid M., Haleem A.	Current status and applications of additive manufacturing in dentistry: A literature-based review	2019	Journal of Oral Biology and Craniofacial Research	9	3	179	185
155.	Haleem A., Javaid M., Vaishya R.	5D printing and its expected applications in Orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	4	809	810
156.	Haleem A., Javaid M.	Industry 5.0 and its applications in orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	4	807	808
157.	Javaid M., Haleem A., Kumar L.	Current status and applications of 3D scanning in dentistry	2019	Clinical Epidemiology and Global Health	7	2	228	233
158.	Haleem A., Javaid M.	3D scanning applications in medical field: A literature-based review	2019	Clinical Epidemiology and Global Health	7	2	199	210
159.	Haleem A., Javaid M., Vaishya R.	Industry 4.0 and its applications in orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	3	615	616
160.	Haleem A., Javaid M., Vaish A., Vaishya R.	Three-dimensional-printed polyether ether ketone implants for orthopedics	2019	Indian Journal of Orthopaedics	53	2	377	379
161.	Javaid M., Haleem A.	Current status and challenges of Additive manufacturing in orthopaedics: An overview	2019	Journal of Clinical Orthopaedics and Trauma	10	2	380	386
162.	Javaid M., Haleem A., Kumar L.	Dimensional errors during scanning of product using 3D scanner	2019	Lecture Notes in Mechanical Engineering	727	736		
163.	Javaid M., Haleem A.	Using additive manufacturing applications for design and development of food and agricultural equipments	2019	International Journal of Materials and Product Technology	58	02-Mar	225	238

164.	Haleem A., Javaid M., Saxena A.	Additive manufacturing applications in cardiology: A review	2018	Egyptian Heart Journal	70	4	433	441
165.	Mohd Imran Khan M., Shahbaz Khan M., Abid Haleem D., Mohd Javaid M., Imran Khan M., Khan S., Javaid M.	Prioritising Barriers towards Adoption of Sustainable Consumption and Production Practices using TOPSIS	2018	IOP Conference Series: Materials Science and Engineering	404	1		
166.	Haleem A., Javaid M., Vaishya R.	4D printing and its applications in Orthopaedics	2018	Journal of Clinical Orthopaedics and Trauma	9	3	275	276
167.	Haleem A., Javaid M.	Role of CT and MRI in the design and development of orthopaedic model using additive manufacturing	2018	Journal of Clinical Orthopaedics and Trauma	9	3	213	217
168.	Javaid M., Haleem A.	Additive manufacturing applications in orthopaedics: A review	2018	Journal of Clinical Orthopaedics and Trauma	9	3	202	206
169.	Kumar L., Shuaib M., Tanveer Q., Kumar V., Javaid M., Haleem A.	3 D scanner integration with product development	2018	International Journal of Engineering and Technology(UAE)	7	2.13 Special Issue 13	225	
Dr. Mohd Shoeb								
1.	Shoeb M., Kumar L., Haleem A., Javaid M.	Trends in additive manufacturing: an exploratory study	2022	Advances in Additive Manufacturing: Artificial Intelligence, Nature-Inspired, and Biomanufacturing			15	25