

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

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
Maqbool A.; Lone N.F.; Khan N.Z.; Siddiquee A.N.; Chen D.	Exceptional tensile strength-ductility synergy in friction stir processed Mg-Y-Nd-Zr alloy achieved through bimodal grain size distribution	2025	Materials Science and Engineering: A	919			
Javaid M.; Haleem A.; Singh R.P.; Dhall S.	Role of virtual reality in advancing education with sustainability and identification of Additive Manufacturing as its cost-effective enabler	2024	Sustainable Futures	8			
Javaid M.; Haleem A.; Singh R.P.; Sinha A.K.	Digital economy to improve the culture of industry 4.0: A study on features, implementation and challenges	2024	Green Technologies and Sustainability	2	2		
Saifi F.; Javaid M.; Haleem A.; Anas S.M.	Computational Fluid Dynamics Approach for Predicting Pipeline Response to Various Blast Scenarios: A Numerical Modeling Study	2024	CMES - Computer Modeling in Engineering and Sciences	140	3	2747	2777
Javaid M.; Haleem A.; Singh R.P.; Ahmed M.	Computer vision to enhance healthcare domain: An overview of features, implementation, and opportunities	2024	Intelligent Pharmacy	2	6	792	803
Khan S.; Haleem A.; Khan M.I.	A risk assessment framework using neutrosophic theory for the halal supply chain under an uncertain environment	2024	Arab Gulf Journal of Scientific Research	42	3	852	870
Singh R.; Khan S.; Dsilva J.; Akram U.; Haleem A.	Modelling the Organisational Factors for Implementation of Corporate Social Responsibility: A Modified TISM Approach	2024	Global Journal of Flexible Systems Management	25	2	283	301
Khan S.; Haleem A.; Khan M.I.	Enablers to Implement Circular Initiatives in the Supply Chain: A Grey DEMATEL Method	2024	Global Business Review	25	1	68	84
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	2024	International Journal on Interactive Design and Manufacturing	18	4	2055	2066
Khurana S.; Mannan B.; Luthra S.; Haleem A.; Jain V.	Investigating Barriers of Sustainable Supply Chain in Apparel & Textile Sector for Realizing Net Zero Economy: An AHP Approach	2024	CSR, Sustainability, Ethics and Governance	Part F2880		177	185

Ahmad M.; Javaid M.; Haleem A.	A study on fused deposition modeling (FDM) and laser-based additive manufacturing (LBAM) in the medical field	2024	Intelligent Pharmacy	2	3	381	391
Fatma N.; Haleem A.	Evaluating Eco-Innovation Performance: Evidence from BRICS Countries	2024	Lecture Notes in Electrical Engineering	1239 LNEE		163	172
Haleem A.; Javaid M.; Singh R.P.	Exploring the competence of ChatGPT for customer and patient service management	2024	Intelligent Pharmacy	2	3	392	414
Akhtar M.N.; Haleem A.; Javaid M.; Mathur S.; Vaish A.; Vaishya R.	Artificial intelligence-based orthopaedic perpetual design	2024	Journal of Clinical Orthopaedics and Trauma	49			
Dixit C.; Haleem A.; Javaid M.	Role of Digital Supply Chain in Industry 4.0: A Bibliometric Analysis	2024	Journal of Industrial Integration and Management				
Khurana S.; Mannan B.; Jain V.; Haleem A.; Bhardwaj V.	Embracing Environmental Sustainability by Resilient Net Zero Carbon Supply Chains: A Fuzzy AHP Approach	2024	Approaches to Global Sustainability, Markets, and Governance	2024		49	68
Mohammad Husain A.; Muzaffarul Hasan M.; Khan Z.A.; Asjad M.	A robust decision-making approach for the selection of an optimal renewable energy source in India	2024	Energy Conversion and Management	301			
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	2024	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	238	2-Jan	164	174
Qazi A.M.; Lone N.F.; Ali N.; Mukhopadhyay A.K.; Khan T.; Khan Z.A.; Siddiquee A.N.	Electrochemical behavior of friction stir welded AA2519 plates	2024	Sadhana - Academy Proceedings in Engineering Sciences	49	1		
Khan Z.A.; Badruddin I.A.	A critical review on smart manufacturing	2024	Smart Systems: Methodological Approaches and Applications			16	33
Kumari S.; Ahmad K.; Khan Z.A.	An Overview of Treatment Approaches for Handling of Common Effluent Treatment Plant's Sludge	2024	IOP Conference Series: Earth and Environmental Science	1326	1		
Khanam S.; Khan O.; Ahmad S.; Sherwani A.F.; Khan Z.A.; Yadav A.K.; Ağbulut Ü.	A Taguchi-based hybrid multi-criteria decision-making approach for optimization of performance characteristics of diesel engine fuelled with blends of biodiesel-diesel and cerium oxide nano-additive	2024	Journal of Thermal Analysis and Calorimetry	149	8	3657	3676

Khan O.; Mufazzal S.; Khan Z.A.; Sherwani A.F.; Yahya Z.; Alhodaib A.	Optimizing the performance parameters of vacuum evaporation technology for management of anaerobic digestate in a waste water treatment plant using fuzzy MCDM method	2024	Desalination and Water Treatment	320			
Equbal A.; Equbal M.A.; Khan Z.A.; Badruddin I.A.	A review on the rapid liquid printing (RLP): future 3D printing technology	2024	Progress in Additive Manufacturing				
Momina M.; Ahmad K.; Khan Z.A.	Facile synthesis of biomass derived economically viable carbon dot polymer nanocomposite: A perspective towards sustainable removal of dyes from synthetic wastewater	2024	Journal of Water Process Engineering	58			
Faris M.; Suhaib M.; Ahmed M.; Sultana	Characterization of Aluminium Hybrid Composites by Analysing the Effects of Mustard Husk Ash and Silicon Nitride Compaction	2024	Journal of The Institution of Engineers (India): Series D	105	2	813	825
Kumar S.; Singh A.; Asjad M.; Suhaib M.; Kulshrestha C.; Sirohi S.	An ISM and AHP-Based Analysis of Barriers to Healthcare 4.0	2024	Journal of Industrial Integration and Management	9	3	455	474
Qazi A.M.; Arif M.; Ahmad T.; Suhaib M.; Lone N.F.; Siddiquee A.N.	Preliminaries on Hybrid Friction Stir Processing for in-situ Metal Matrix Composite Fabrication	2024	National Academy Science Letters				
Bhargava A.; Suhaib M.; Singholi A.S.	A review of recent advances, techniques, and control algorithms for automated guided vehicle systems	2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering	46	7		
Kumar H.; Singh A.P.; Ghoshal S.K.; Suhaib M.; Kumar S.	Design, development and metrological investigations of EN 24 steel based square ring shaped force transducer	2024	International Journal on Interactive Design and Manufacturing	18	3	1539	1555
Shahid M.; Karimi M.N.; Mishra A.K.	Optimum insulation thickness for external building walls for different climate zone in India	2024	Journal of Thermal Engineering	10	5	1198	1211
Khan F.; Karimi M.N.; Khan O.; Yadav A.K.; Alhodaib A.; Gürel A.E.; Ağbulut Ü.	A hybrid MCDM optimization for utilization of novel set of biosynthesized nanofluids on thermal performance for solar thermal collectors	2024	International Journal of Thermofluids	22			
Khan M.N.; Karimi M.N.; Usmani A.Y.; Qidwai M.O.	A comprehensive analysis of a rectangular microchannel heat sink furnished with a circular perforated cylindrical pinfin	2024	Numerical Heat Transfer; Part A: Applications	85	13	2128	2144

Khatoon S.; Karimi M.N.	Thermodynamic and carbon emission analysis with low GWP refrigerants in automobile air conditioning system	2024	International Journal of Global Energy Issues	46	6	693	717	
Lone N.F.; Bajaj D.; Gangil N.; Abidi M.H.; Chen D.; Arora A.; Siddiquee A.N.	Implementing high entropy alloy synthesis via friction stir processing: Simultaneous solid-state alloying and ultra-refinement of copper	2024	Vacuum	222				
Arif M.; Kumar D.; Siddiquee A.N.	Morphological and Mechanical Characterization of Friction Stir Welded Zones in Acrylonitrile Butadiene Styrene (ABS) Polymer	2024	Journal of Materials Engineering and Performance	33	13	6769	6779	
Sachan D.; Narayanan R.G.; Siddiquee A.N.	Influence of Tool Rotational Speed on the Mechanical Properties of Friction Stir Spot Welded AA5052-H32/PU Foam/AA5052-H32 Sandwich Sheets	2024	Springer Proceedings in Materials	53		145	152	
Lone N.F.; Ali N.; Abidi M.H.; Bajaj D.; Khan T.; Chen D.; Al-Ahmari A.; Siddiquee A.N.	Strategy for double-side friction stir welding of thick Mg4Y3Gd alloy joints	2024	International Journal of Advanced Manufacturing Technology	131	10-Sep	5305	5323	
Mittal A.; Angra S.; Siddiquee A.N.	Friction stir welding of AA6063 pipe: Effect of double pass on microstructure, strength and defects	2024	MRS Advances	9	14	1137	1143	
Ahmad T.; Khan N.Z.; Siddiquee A.N.; Ahmad B.	Impact of intermetallics on strength-ductility synergy in friction stir welded WE43 -AA7075 dissimilar joints	2024	Vacuum	228				
Bajaj D.; Siddiquee A.N.; Chen D.L.; Konovalov S.; Chen X.; Haider J.; Serier M.	Specifics of Formability in Recent Developments of Tailor-Welded Blanks	2024	National Academy Science Letters	47	4	451	456	
Gangil N.; Mishra A.; Lone N.F.; Bajaj D.; Chen D.; Haider J.; Chen X.; Konovalov S.; Siddiquee A.N.	Linear Friction Welding of Similar and Dissimilar Materials: A Review	2024	Metals and Materials International					
Siddiquee A.N.; Khan N.Z.; Gangil N.; Bajaj D.; Mohammed S.M.A.K.; Chen D.L.	Autogenous Dissimilar Welding of Copper-to-Stainless Steel via Electron Beam Welding: A Novel Strategy for Achieving Defect-Free Joints	2024	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	55	2	635	651	

Serier M.; Jassim R.J.; Al-Sabur R.; Siddiquee A.N.	Thermal Diffusivity Modeling for Aluminum AA6060 Plates During Friction Stir Welding	2024	AIP Conference Proceedings	3051	1		
Wang M.; Chen X.; Dai F.; Siddiquee A.N.; Konovalov S.	Effects of different laser shock processes on the surface morphology and roughness of TC4 titanium alloy	2024	Journal of Materials Processing Technology	325			
Al-Sabur R.; Serier M.; Siddiquee A.N.	Analysis and construction of a pneumatic-powered portable friction stir welding tool for polymer joining	2024	Advances in Materials and Processing Technologies	10	2	1052	1066
Ahmad T.; Khan N.Z.; Siddiquee A.N.; Ahmad B.	Investigations on surface properties and surface morphology in dissimilar joining of WE43 and AA-7075 alloy	2024	Tribology International	192			
Sachan D.; Narayanan R.G.; Siddiquee A.N.	Summary of Efforts in Manufacturing of Sandwich Sheets by Various Joining Methods Including Solid-State Joining Method	2024	Friction Stir Welding and Processing: Fundamentals to Advancements			193	203
Pal P.K.; Yadav J.; Gond S.; Gangil N.; Bhardwaj T.; Siddiquee A.N.	Issues and Strategies in Friction Stir Welding of Al-Mg-Si Alloy Pipes	2024	Proceedings - 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024				
Mir F.A.; Khan N.Z.; Parvez S.; Siddiquee A.N.	Investigations on surface properties of friction stir welded dissimilar AA2024-T3 and 304 stainless steel joints	2024	Tribology International	193			
Nisar L.; Maqbool A.; Khan N.Z.; Gull A.; Siddiquee A.N.	Enhancing ductility, strength, and hardness of WE43 Mg alloy-based metal matrix composite fabricated via friction stir processing: Effect of hybrid reinforcement and Volume percentage	2024	Materials Chemistry and Physics	323			
Dwivedi P.; Maheshwari S.; Siddiquee A.N.	Microstructure and Mechanical Properties of SiC + Fe + Mn + Sn Hybrid Reinforced Surface Composites Fabricated by Friction Stir Processing: Effect of Double Pass	2024	Metals and Materials International	30	11	3172	3183
Lone N.F.; Gangil N.; Bajaj D.; Arora A.; Chen D.; Siddiquee A.N.	Innovating 4D-printed microstructures via gas metal arc welding assisted wire-arc additive manufacturing	2024	Journal of Manufacturing Processes	132		416	424
Yadav J.; Gangil N.; Siddiquee A.N.	Microstructural Analysis and Defect Evaluation during Friction Stir Welding of AA6063 Aluminium Pipes	2024	Proceedings - 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024				
Gangil N.; Siddiquee A.N.; Yadav J.; Yadav S.; Khare V.; Mittal N.;	Friction stir welding and processing of pipes: a status report on joining, materials, and industry applications	2024	World Journal of Engineering				

Sharma S.; Srivastava R.; Mohammed S.M.A.K.M.A.K.							
Mir F.A.; Khan N.Z.; Siddiquee A.N.; Parvez S.	Effect of tool–pin offset on microstructure, mechanical properties, and corrosion behavior of friction stir welded AA2024-T3 and SS304 dissimilar joints	2024	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	238	7	1239	1255
Salmaz U.; Siddiquee A.N.; Islam T.	A Novel Inexpensive Capacitive Sensor for Instant Milk Adulteration Detection	2024	IEEE Transactions on Instrumentation and Measurement	73		1	8
Ali D.; Kumar A.; Muzakkir S.M.; Afzal M.	Development of level set methodologies for different geometric discontinuities	2024	Enriched Numerical Techniques: Implementation and Applications			1	31
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	2024	Journal of Vibration Engineering and Technologies	12	2	1309	1322
Ahamad S.; Khan S.	Synthesis of Kinematic Chains and Their Derived Mechanisms	2024	Lecture Notes in Mechanical Engineering			313	330
Ahamad S.; Khan S.; Mohammad A.	Structural Synthesis of Planar Kinematic Chains and Their Detection of Isomorphism	2024	Journal of The Institution of Engineers (India): Series C	105	1	141	159
Ahamad S.; Khan S.; Mohammad A.	Detection of Isomorphism of Kinematic Chains Using two DOF Using CSJV Matrix	2024	Journal of The Institution of Engineers (India): Series C	105	2	313	326
Rawat P.; Ashwni; Sherwani A.F.	Optimization of single and double pass solar air heater-phase change material (SAH-PCM) system based on thickness to length ratio	2024	International Journal of Heat and Mass Transfer	224			
Ali M.; Sharma A.K.	Investigation of Laminar and Turbulent Natural Convection Combined with Radiation in a Square Enclosure with a Vertical Partition	2024	Lecture Notes in Mechanical Engineering			265	275
Ali M.; Sharma A.K.	Numerical Simulation of Combined Natural Convection and Radiation Inside a Square Enclosure with a Horizontal Partition	2024	Lecture Notes in Mechanical Engineering			329	337
Anas M.; Asjad M.	Role of spiritual personality for effective management in smart manufacturing	2024	Smart Systems: Methodological Approaches and Applications			230	240

Rathi P.; Kumar G.; Asjad M.; Soni U.	Reliability Improvement of a Multistage Reciprocating Compressor with Redundancies Using Markov Approach	2024	Journal of Industrial Integration and Management	9	1	97	115
Haque I.; Alam T.; Yadav J.; Gupta N.K.; Haque Siddiqui M.I.; Siddiqui T.U.; Ali N.; Srivastava S.; Yadav A.S.; Sharma A.; Khargotra R.; Thakur A.K.	Numerical analysis of various shapes of lozenge pin-fins in microchannel heat sink	2024	International Journal of Chemical Reactor Engineering	22	1	31	43
Ali N.; Srivastava S.; Haque I.; Yadav J.; Alam T.; Siddiqui T.U.; Siddiqui M.I.H.; Cuce E.	Heat dissipation and fluid flow in micro-channel heat sink equipped with semi-elliptical pin-fin structures: A numerical study	2024	International Communications in Heat and Mass Transfer	155			
Kumar L.; Tripathi S.; Gaikwad K.K.	Valorization of cactus biomass to manufacture sustainable packaging films: moisture sorption behavior and influence of citric acid as crosslinking agent	2024	Biomass Conversion and Biorefinery	14	18	23031	23043
Jain P.; Kumar L.; Singh S.; Gaikwad K.K.	Catechu (Senegalia catechu) based oxygen scavenger for active food packaging: A sustainable alternative	2024	Sustainable Chemistry and Pharmacy	37			
Kumar L.; Deshmukh R.K.; Hakim L.; Gaikwad K.K.	Halloysite Nanotube as a Functional Material for Active Food Packaging Application: A Review	2024	Food and Bioprocess Technology	17	1	33	46
Tripathi S.; Kumar L.; Deshmukh R.K.; Gaikwad K.K.	Ultraviolet Blocking Films for Food Packaging Applications	2024	Food and Bioprocess Technology	17	6	1563	1582
Nayak B.; Jain P.; Kumar L.; Mishra A.A.; Gaikwad K.K.	UV blocking edible films based on corn starch/moringa gum incorporated with pine cone extract for sustainable food packaging	2024	International Journal of Biological Macromolecules	267			
Kathuria A.; Kumar L.; Gaikwad K.K.; Badawy A.E.; Kivy M.B.	Micro-encapsulation of citral using edible γ -cyclodextrin metal organic framework	2024	Journal of Inclusion Phenomena and Macrocyclic Chemistry	104	4-Mar	99	108
Kumar L.; Deshmukh R.K.; Gaikwad K.K.	Functional Agents from Agro-Waste for Active and Intelligent Food Packaging	2024	Agro-Waste Derived Biopolymers and Biocomposites: Innovations and Sustainability in Food Packaging			205	240

Ansari I.A.; Kar K.K.; Ramkumar J.	Development and characterization of fly ash-ground tire rubber-based abrasive flow finishing media and its performance assessment	2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering	46	4		
Equbal A.; Equbal M.D.A.; Ahmad R.; Kumar M.; Hrishikesh; Khan O.; Yahya Z.; Alhodaib A.; Yadav A.K.	RSM-BASED STATISTICAL APPROACH TO ENHANCE THE COMPRESSIVE PERFORMANCE OF ABS P400 PARTS FABRICATED VIA FDM TECHNOLOGY	2024	Surface Review and Letters				
Alhodaib A.; Yahya Z.; Khan O.; Equbal A.; Equbal M.S.; Parvez M.; Kumar Yadav A.; Idrisi M.J.	Sustainable coatings for green solar photovoltaic cells: performance and environmental impact of recyclable biomass digestate polymers	2024	Scientific Reports	14	1		
Khan O.; Alsaduni I.; Equbal A.; Parvez M.; Yadav A.K.	Performance and emission analysis of biodiesel blends enriched with biohydrogen and biogas in internal combustion engines	2024	Process Safety and Environmental Protection	183		1013	1037
Equbal M.S.; Khan O.; Equbal A.; Parvez M.; Ahmad S.; Yahya Z.; Alhodaib A.; Yadav A.K.; Ağbulut Ü.	Comparative analysis of machine learning and artificial intelligence models for optimizing mixed refrigerant characteristics in a hydrogen pre-cooling storage system	2024	Journal of Energy Storage	102			
Equbal A.; Murmu R.; Kumar V.; Equbal M.A.	A recent review on advancements in dimensional accuracy in fused deposition modeling (FDM) 3D printing	2024	AIMS Materials Science	11	5	950	990
Ravindrannair P.; Equbal A.; Equbal M.A.; Saxena K.K.; Equbal M.I.	Grey based Taguchi method for multi-response optimization of FSW of aluminium AA 6061 alloy	2024	International Journal on Interactive Design and Manufacturing	18	3	1279	1290
Hassan T.; Khan O.; Khan M.Z.; Kumari P.; Parvez M.; Equbal A.; Ahamad T.	Comparative analysis of nano-additives for enhanced photocatalytic hydrogen production: A hybrid approach using MEREK and sensitivity methods	2024	Nano-Structures and Nano-Objects	40			
Khan O.; Khan M.Z.; Habib I.; Parvez M.; Alhodaib A.; Yahya Z.; Tripathi M.	Development of a novel energy efficient integrated system for concurrent waste water treatment, hydrogen production and carbon capture- A sustainable approach	2024	International Journal of Hydrogen Energy				

Khan O.; Parvez M.; Seraj M.; Yahya Z.; Devarajan Y.; Nagappan B.	Optimising building heat load prediction using advanced control strategies and Artificial Intelligence for HVAC system	2024	Thermal Science and Engineering Progress	49			
Khan O.; Parvez M.; Alhodaib A.; Yahya Z.; Ahamad T.; Kumar Yadav A.; Kumar Shukla A.	Development and selection of lignocellulose biomass and nano-additive combination for co-pyrolysis operation in power generation using hybrid prediction and Machine learning model – A k-means cluster approach	2024	Sustainable Energy Technologies and Assessments	72			
Parvez M.; Khan O.; Lal S.; Ahmad M.	Thermodynamic analysis of a solar-biomass cogeneration power and cooling by employing an ejector and single-effect absorption refrigeration system	2024	Biomass and Bioenergy	184			
Khan O.; Parvez M.; Yahya Z.; Alhodaib A.; Yadav A.K.; Hoang A.T.; Ağbulut Ü.	Waste-to-energy power plants: Multi-objective analysis and optimization of landfill heat and methane gas by recirculation of leachate	2024	Process Safety and Environmental Protection	186		957	968
Parvez M.; Ahamad T.; Lal S.; Khan O.; Khalid F.; Yahya Z.	Energy, Exergy, Economic, and environmental assessment of a trigeneration system for combined power, cooling, and water desalination system driven by solar energy	2024	International Journal of Thermofluids	22			
Parvez M.; Khan O.; Howari H.	Investigation of (3E) energy, exergy, and environmental analysis of syngas production for combined power and cooling plant by testing six different biomasses	2024	Biomass Conversion and Biorefinery	14	19	24265	24279
Shaad M.; Gupta P.; Parvez M.; Khan O.; Kumari P.	Recent trends and future potential of sustainable energy efficient materials for commercial buildings	2024	Handbook of Emerging Materials for Sustainable Energy			725	739
Qadeer A.; Parvez M.; Khan O.; Kumari P.; Yahya Z.; Alhodaib A.; Idrisi M.J.	Simulation of 1 MWe hybrid solar power plant by the use of nano-fluid with eccentric backup system	2024	Scientific Reports	14	1		
Seraj M.; Parvez M.; Khan O.; Yahya Z.	Optimizing smart building energy management systems through industry 4.0: A response surface methodology approach	2024	Green Technologies and Sustainability	2	2		

Khan O.; Alsaduni I.; Parvez M.; Yahya Z.; Yadav A.K.	Role of hydrogen-enrichment on performance and emission characteristics of a diesel engine fuelled with metal oxide nanoparticles added biodiesel/diesel blends:A combined neuro Fuzzy-Gaussian Mixture Model analysis	2024	International Journal of Hydrogen Energy	93		1113	1126
Khan O.; Parvez M.; Kumari P.; Yahya Z.; Alhodaib A.; Yadav A.; Shukla A.	Optimization of Thermal Performance in Lauric Acid-Based Phase Change Materials Using a Priority Clustering Approach	2024	Energy Storage	6	6		
Parvez M.; Khan O.	A theoretical thermodynamic investigation on solar-operated combined electric power, heating, and ejector cooling cycle driven by an ORC turbine waste heat, tri-generation cycle system	2024	International Journal of Thermofluids	24			
Khan F.; Khan O.; Parvez M.; Ahmad S.; Yahya Z.; Alhodaib A.; Kumar Yadav A.; Ağbulut Ü.	K-means clustering optimization of various quantum dots and nanoparticles-added biofuels for engine performance, emission, vibration, and noise characteristics	2024	Thermal Science and Engineering Progress	54			
Khan O.; Ali V.; Parvez M.; Alhodaib A.; Yahya Z.; Yadav A.K.; Ağbulut Ü.	Exploring the performance of biodiesel-hydrogen blends with diverse nanoparticles in diesel engine: A hybrid machine learning K-means clustering approach with weighted performance metrics	2024	International Journal of Hydrogen Energy	78		547	563
Khan O.; Parvez M.; Yadav A.K.	A comparative analysis of various nanocomposites for the remediation of heavy metals from biomass liquid digestate using multi-criteria decision methods	2024	Biomass and Bioenergy	186			
Alsaduni I.; Siddiqui M.A.	Thermodynamic and economic evaluation of a developed solar-driven system for efficient production of power and cooling	2024	International Journal of Exergy	45	4-Mar	219	235
Siddiqui M.A.	Thermodynamic Analysis and Performance Assessment of a Novel Solar-Based Multigeneration System for Electricity, Cooling, Heating, and Freshwater Production	2024	Journal of Solar Energy Engineering	146	2		
Siddiqui M.A.; Khan T.M.Y.	Thermodynamic analysis of solar tower collector integrated with steam Rankine cycle, organic Rankine cycle and absorption refrigeration cycles for cogeneration of power and cooling	2024	International Journal of Exergy	43	3	229	250

Almatrafi E.; Siddiqui M.A.	Thermodynamic investigation of a hydrogen enriched natural gas fueled HCCI engine for the efficient production of power, heating, and cooling	2024	International Journal of Hydrogen Energy	82		111	122
Siddiqui M.A.; Alsaduni I.	Performance assessment of solar tower collector based integrated system for the cogeneration of power and cooling	2024	Heliyon	10	21		
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
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
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	16	2	668	683
Khan M.; Haleem A.; Javaid M.	Changes and improvements in Industry 5.0: A strategic approach to overcome the challenges of Industry 4.0	2023	Green Technologies and Sustainability	1	2		
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
Mannan B.; Khurana S.; Haleem A.	Exploring the Constructs and Measures of Innovation Management in Indian MSMEs	2023	Lecture Notes in Mechanical Engineering			1	20
Khan M.; Haleem A.; Javaid M.; Bahl S.; Prakash C.; Singh R.; Bagha A.K.	Screw-Based Extruder Design for 3D Printing of Food Using Food Layered Technology	2023	Lecture Notes in Mechanical Engineering			479	492
Tiwari A.; Haleem A.; Bahl S.; Javaid M.; Sharma S.; Prakash C.; Buddhi D.	Future Scope and Developments on Nano Refrigerants in the Refrigeration System: A Review	2023	Lecture Notes in Mechanical Engineering			371	380
Javaid M.; Haleem A.; Singh R.P.; Khan S.; Khan I.H.	Unlocking the opportunities through ChatGPT Tool towards ameliorating the education system	2023	BenchCouncil Transactions on Benchmarks, Standards and Evaluations	3	2		
Javaid M.; Haleem A.; Singh R.P.; Suman R.	5G technology for healthcare: Features, serviceable pillars, and applications	2023	Intelligent Pharmacy	1	1	2	10

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
Javaid M.; Haleem A.; Singh R.P.; Suman R.	Towards insighting cybersecurity for healthcare domains: A comprehensive review of recent practices and trends	2023	Cyber Security and Applications	1			
Haleem A.; Javaid M.; Pratap Singh R.; Suman R.	Exploring the revolution in healthcare systems through the applications of digital twin technology	2023	Biomedical Technology	4		28	38
Javaid M.; Haleem A.; Singh R.P.; Suman R.	An integrated outlook of Cyber–Physical Systems for Industry 4.0: Topical practices, architecture, and applications	2023	Green Technologies and Sustainability	1	1		
Shoeb M.; Kumar L.; Haleem A.	3D printed medical surgical cotton fabric- poly lactic acid biocomposite: A feasibility study	2023	Sustainable Operations and Computers	4		130	146
Javaid M.; Khan S.; Haleem A.; Rab S.	Adoption of modern technologies for implementing industry 4.0: an integrated MCDM approach	2023	Benchmarking	30	10	3753	3790
Javaid M.; Haleem A.; Suman R.	Digital Twin applications toward Industry 4.0: A Review	2023	Cognitive Robotics	3		71	92
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	16	3	745	772
Javaid M.; Haleem A.; Singh R.P.	ChatGPT for healthcare services: An emerging stage for an innovative perspective	2023	BenchCouncil Transactions on Benchmarks, Standards and Evaluations	3	1		
Haleem A.; Javaid M.; Khan I.H.; Mohan S.	Significant Applications of Artificial Intelligence Towards Attaining Sustainability	2023	Journal of Industrial Integration and Management	8	4	489	520
Akhtar M.N.; Haleem A.; Javaid M.	Scope of health care system in rural areas under Medical 4.0 environment	2023	Intelligent Pharmacy	1	4	217	223
Khan S.; Haleem A.; Khan M.I.	Risk assessment model for halal supply chain using an integrated approach of IFN and D number	2023	Arab Gulf Journal of Scientific Research	41	3	338	358
Haleem A.; Javaid M.; Singh R.P.; Rab S.; Suman R.	Applications of nanotechnology in medical field: a brief review	2023	Global Health Journal	7	2	70	77

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	38	3	651	659
Faiz A.; Shamsi M.; Haleem A.; Bahl S.; Javaid M.; Prakash C.	Application of Augmented Reality on the Windshield of Vehicle	2023	Lecture Notes in Mechanical Engineering			551	557
Javaid M.; Haleem A.; Singh R.P.; Rab S.; Suman R.; Kumar R.	Studies on the Metrological Need and Capabilities of 3D Scanning Technologies	2023	Journal of Industrial Integration and Management	8	3	321	339
Dhall S.; Rab S.; Pal S.K.; Javaid M.; Khan A.A.; Haleem A.	Identifying the feasibility of 'travelator roads' for modern-era sustainable transportation and its prototyping using additive manufacturing	2023	Sustainable Operations and Computers	4		119	129
Haleem A.; Javaid M.; Rab S.; Singh R.P.; Suman R.; Kumar L.	Significant potential and materials used in additive manufacturing technologies towards sustainability	2023	Sustainable Operations and Computers	4		172	182
Yadav S.; Haleem A.; Arora P.K.; Kumar H.	Preface	2023	Smart Innovation, Systems and Technologies	290		v	
Ansari F.A.; Haleem A.; Bahl S.; Javaid M.; Buddhi D.; Prakash C.; Sharma R.C.	Advancement in Solar Energy Technology and Its Future Growth	2023	Lecture Notes in Mechanical Engineering			347	357
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
Haleem A.; Javaid M.; Singh R.P.; Suman R.; Qadri M.A.	A pervasive study on Green Manufacturing towards attaining sustainability	2023	Green Technologies and Sustainability	1	2		
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	7-Jun	961	971
Fatma N.; Haleem A.	Exploring the Nexus of Eco-Innovation and Sustainable Development: A Bibliometric Review and Analysis	2023	Sustainability (Switzerland)	15	16		
Javaid M.; Haleem A.; Singh R.P.; Suman R.	Sustaining the healthcare systems through the conceptual of biomedical engineering: A study with recent and future potentials	2023	Biomedical Technology	1		39	47

Javaid M.; Haleem A.; Khan I.H.; Suman R.	Understanding the potential applications of Artificial Intelligence in Agriculture Sector	2023	Advanced Agrochem	2	1	15	30
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
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	2023	Australian Journal of Mechanical Engineering	21	5	1489	1512
Ahmad S.; Khan Z.A.; Ali M.; Asjad M.	An ANN Model to Predict Select Performance Measures for Job Scheduling System	2023	Journal of Industrial Integration and Management	8	4	549	566
Asjad M.; Gani A.; Khan Z.A.	Synthesis and Analysis of Vital Social Sustainability Indicators Using Pareto Analysis	2023	Lecture Notes in Mechanical Engineering			333	343
Ishrat S.I.; Khan Z.A.; Siddiquee A.N.	Introduction to Aviation Operations Management	2023	Introduction to Aviation Operations Management			1	211
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
Ahmad S.; Khan Z.A.; Ali M.; Asjad M.	A Novel Framework Based on Integration of Simulation Modelling and MCDM Methods for Solving FMS Scheduling Problems	2023	Informatica (Slovenia)	47	4	501	514
Equbal A.; Masood S.; Equbal I.; Ahmad S.; Khan N.Z.; Khan Z.A.	Artificial Intelligence against COVID-19 Pandemic: A Comprehensive Insight	2023	Current Medical Imaging	19	1	1	18
Rahman W.U.; Khan R.I.A.; Ahmad S.; Yahya S.M.; Khan Z.A.; Rokhum S.L.; Halder G.	Valorizing waste palm oil towards biodiesel production using calcareous eggshell based heterogeneous catalyst	2023	Bioresource Technology Reports	23			
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			
Khan O.; Mufazzal S.; Sherwani A.F.; Khan Z.A.; Parvez M.; Idrisi M.J.	Experimental investigation and multi-performance optimization of the leachate recirculation based sustainable landfills using Taguchi approach and an integrated MCDM method	2023	Scientific Reports	13	1		

Kumari S.; Ahmad K.; Khan Z.A.; Ahmad S.	Failure mode and effects analysis of common effluent treatment plants of humid sub-tropical regions using fuzzy based MCDM methods	2023	Engineering Failure Analysis	145			
Shaikh M.B.N.; Ali M.; Khan Z.A.; Asjad M.	An MCDM approach for multi-response optimisation of machining parameters in turning of EN8 steel (AISI-1040) for sustainable manufacturing	2023	International Journal on Interactive Design and Manufacturing	17	6	3159	3176
Alam M.N.; Siddiquee A.N.; Khan Z.A.	Machining of ZrO ₂ using wire EDM: an experiment based investigation via assisted electrode	2023	Advances in Materials and Processing Technologies				
Ahmad S.; Masood S.; Khan N.Z.; Badruddin I.A.; Ompal; Ahmadian A.; Khan Z.A.; Khan A.H.	Analysing the impact of COVID-19 pandemic on the psychological health of people using fuzzy MCDM methods	2023	Operations Research Perspectives	10			
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			
Katna R.; Suhaib M.; Agrawal N.	Performance of non-edible oils as cutting fluids for green manufacturing	2023	Materials and Manufacturing Processes	38	12	1531	1548
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				
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
Faris M.; Suhaib M.; Ahmed M.; Sultana	EFFECT OF MHA ON TRIBO-BEHAVIOUR OF Al-MHA-Si ₃ N ₄ HYBRID COMPOSITES	2023	Composites Theory and Practice	2023	1	37	43
Bhargava A.; Singholi A.S.; Suhaib M.	Design and Development of a Visual - SLAM based Automated Guided Vehicle	2023	Proceedings of IEEE 2023 5th International Conference on Advances in Electronics, Computers and Communications, ICAECC 2023				
Parveen S.; Suhaib M.; Majid M.A.	Multifinger Robotic Gripper: A Review	2023	2023 International Conference on Recent Advances in Electrical, Electronics and Digital Healthcare Technologies, REEDCON 2023			466	470
Waseem M.; Ahmad M.; Parveen A.; Suhaib M.	Battery technologies and functionality of battery management system for EVs: Current status, key challenges, and future prospectives	2023	Journal of Power Sources	580			
Waseem M.; Ahmad M.; Parveen A.; Suhaib M.	A Study of Energy Storage System for E-Rickshaw in India	2023	Lecture Notes in Mechanical Engineering			469	480

Mansoor M.; Prajapati P.; Suhaib M.	Some Study on Multifinger Robotic Gripper	2023	2023 International Conference on Recent Advances in Electrical, Electronics and Digital Healthcare Technologies, REEDCON 2023	460	465		
Jain V.; Ajmera P.; Suhaib M.	Modelling the factors affecting the QoWL in the employees of manufacturing organisations in India using ISM approach	2023	International Journal of Process Management and Benchmarking	14	1	1	22
Khan M.A.; Suhaib M.; Ansari M.A.	Investigations on fluid flow and mixing in fractal tree like biomimetic microchannel based on Murray's law	2023	Chemical Engineering and Processing - Process Intensification	194			
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
Bhargava A.; Singholi A.S.; Suhaib M.	A study on design and control of Omni-directional mecanum wheels based AGV system	2023	2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023				
Yadav M.; Karimi M.N.; Yadav A.K.	Effect of graphene oxide nano-particles dispersed biodiesel on combustion, performance and emission characteristics of a diesel engine	2023	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering				
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
Khan F.; Karimi M.N.; Khan O.	Exploring the scalability and commercial viability of biosynthesized nanoparticles for cooling panels with the help of Artificial Intelligence and solar energy systems	2023	Green Technologies and Sustainability	1	3		
Khan M.N.; Karimi M.N.; Qidwai M.O.	Effect of circular perforated pin fin on heat transfer and fluid flow characteristics of rectangular microchannel heat sink	2023	Numerical Heat Transfer; Part A: Applications	83	6	594	608
Khatoon 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		
Khatoon S.; Khan S.; Karimi M.N.	Dual evaporator system as an alternative for air-conditioning and refrigeration in automobiles	2023	International Journal of Vehicle Performance	9	3	290	313
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
Dwivedi P.; Maheshwari S.; Siddiquee A.N.	Fe-SiC-Sn-Mn reinforced surface composite via FSP: A comprehensive analysis	2023	Materials Today Communications	35			
Singh N.; Batra U.; Kumar K.; Siddiquee A.N.	Evaluating the Electrochemical and In Vitro Degradation of an HA-Titania Nano-Channeled	2023	Coatings	13	1		

	Coating for Effective Corrosion Resistance of Biodegradable Mg Alloy						
Rajput D.; Yadav S.; Gangil N.; Siddiquee A.N.	INVESTIGATION OF SHAPE MEMORY ALLOY REINFORCED ALUMINUM METAL MATRIX COMPOSITE	2023	Proceedings of the International Astronautical Congress, IAC	2023-October			
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
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
Abidi M.H.; Moiduddin K.; Siddiquee A.N.; Mian S.H.; Mohammed M.K.	Development of Aluminium Metal Foams via Friction Stir Processing by Utilizing MgCO ₃ Precursor	2023	Coatings	13	1		
Ali N.; Lone N.F.; Khan T.; Qazi A.M.; Mukhopadhyay A.K.; Siddiquee A.N.	A Comparative Study of Effect of Tool-Offset Position on Defect Dynamics and Formation of Intermetallic Compounds in Friction Stir Welding of Al-Ti Dissimilar Joints	2023	Journal of Materials Engineering and Performance				
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
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
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	237	9	1897	1909
Gupta K.K.; Hirani H.; Muzakkir S.M.	Online Gear Wear Particle Detection and Categorization Using a Convolutional Neural Network Algorithm Integrated with Cascade Classifier	2023	Tribology in Industry	45	2	212	225

Mufazzal S.; Muzakkir S.M.; Khanam S.	A dynamic model for simulating vibration response of ball bearings with extended outer race defects for precise spall size estimation	2023	Journal of Sound and Vibration	552			
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
Mufazzal S.; Muzakkir S.M.; Khanam S.	Study of Time-Varying Oil Film Damping and Contact Stiffness of Ball Bearings	2023	Mechanisms and Machine Science	137		535	551
Gupta K.K.; Muzakkir S.M.	A Model for Prediction of Outer Race Defects of Rolling Contact Bearing based on Vibration Data Using Machine Learning Algorithms	2023	Tribology in Industry	45	4	676	685
Gupta K.K.; Muzakkir S.M.	Prediction of Gearbox Oil Degradation Based on Online Sensor Data and Machine Learning Algorithms	2023	Tribology in Industry	45	3	487	502
Hussain M.Z.; Khan S.; Sarmah P.	Effect of dry sliding wear parameters on the specific wear rate of α -MnO ₂ -epoxy nanocomposites	2023	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	237	6	1370	1392
Goyal A.; Rawat P.; Sherwani A.F.; Rana R.	Advanced exergy, economic, and environmental evaluation of an Organic Rankine Cycle driven dual evaporators vapour-compression refrigeration system using organic fluids; [Évaluation exergétique, économique et environnementale avancée d'un système frigorifique à compression de vapeur à double évaporateur fonctionnant selon le cycle organique de Rankine et utilisant des fluides organiques]	2023	International Journal of Refrigeration	150		170	184
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			
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			
Ashwni; Sherwani A.F.	Exergy analysis and multi-objective optimisation of ORC using NSGA-II	2023	International Journal of Exergy	40	2	130	143
Ashwni; Sherwani A.F.	Assessment of the Impact of using Zeotropic Mixture on the Thermodynamic Performance of Organic	2023	Evergreen	10	2	1094	1099

	Rankine Cycle Integrated Vapor Compression Refrigeration System						
Goyal A.; Sherwani A.F.	Optimization of exergetic performance and payback period of organic rankine cycle integrated vapor compression refrigeration system based on exergy, economic, and environmental criteria	2023	Journal of Thermal Engineering	9	3	648	658
Ali M.; Sharma A.K.	Investigation of combined natural convection and radiation in a square enclosure with a partition	2023	Sadhana - Academy Proceedings in Engineering Sciences	48	3		
James A.T.; Kumar G.; James J.; Asjad M.	Development of a micro-level circular economy performance measurement framework for automobile maintenance garages	2023	Journal of Cleaner Production	417			
Kumar G.; Bhujel R.C.; AniketAggarwal; 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
James A.T.; Kumar G.; Khan A.Q.; Asjad M.	Maintenance 4.0: implementation challenges and its analysis	2023	International Journal of Quality and Reliability Management	40	7	1706	1728
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
Gani A.; Asjad M.; Talib F.	A review of Socio-economic indicators of sustainable Manufacturing	2023	E3S Web of Conferences	391			
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
Singh A.; Asjad M.; Singh Y.V.; Alam S.	Machine Configuration Based on Machine Reliability and Production Rate Criteria Through Line Balancing Algorithm in Reconfigurable Manufacturing System (RMS)	2023	Lecture Notes in Mechanical Engineering			157	175
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			
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	16	3	718	744

Khargotra R.; Alam T.; Thu K.; András K.; Siddiqui T.U.; Singh T.	Influence of heat enhancement technique on the thermal performance of solar water heater for sustainable built environment. Start-of-the-art review	2023	Sustainable Energy Technologies and Assessments	57			
Singhi H.; Kumar L.; Sarkar P.; Gaikwad K.K.	Chitosan based antioxidant biofilm with waste Citrus limetta pomace extract and impregnated with halloysite nanotubes for food packaging	2023	Journal of Food Measurement and Characterization	17	3	2741	2754
Kumar L.; Gaikwad K.K.	Advanced food packaging systems for space exploration missions	2023	Life Sciences in Space Research	37		7	14
Kumar P.; Kumar L.; Tanwar R.; Singh S.; Gaikwad K.K.	Active edible coating based on guar gum with mint extract and antibrowning agents for ber (Ziziphus mauritiana) fruits preservation	2023	Journal of Food Measurement and Characterization	17	1	129	142
Deepika; Kumar L.; Gaikwad K.K.	Carbon dots for food packaging applications	2023	Sustainable Food Technology	1	2	185	199
Hakim L.; Kumar L.; Gaikwad K.K.	Screen printing of catechu (Senegalia catechu)/guar gum based edible ink for food printing and packaging applications	2023	Progress in Organic Coatings	182			
Deshmukh R.K.; Kumar L.; Gaikwad K.K.	Halloysite nanotubes for food packaging application: A review	2023	Applied Clay Science	234			
Sultana A.; Kumar L.; Gaikwad K.K.	Lignocellulose nanofibrils/guar gum-based ethylene scavenging composite film integrated with zeolitic imidazolate framework-8 for food packaging	2023	International Journal of Biological Macromolecules	243			
Ansari I.A.; Kar K.K.; Ramkumar J.	Development of Novel Low-Cost Sustainable Abrasive Flow Finishing Media From Ground Tire Rubber and Its Performance Evaluation	2023	Journal of Manufacturing Science and Engineering	145	2		
Ansari I.A.; Kar K.K.; Ramkumar J.	Effect of ground tire rubber media's viscoelasticity and flow passage geometry on the abrasive flow finishing of helical gear	2023	Journal of Manufacturing Processes	101		219	233
Patra B.; Nema P.; Khan M.Z.; Khan O.	Optimization of solar energy using MPPT techniques and industry 4.0 modelling	2023	Sustainable Operations and Computers	4		22	28
Ahamad T.; Parvez M.; Lal S.; Khan O.; Idrisi M.J.	4-E analysis and multiple objective optimizations of a novel solar-powered cogeneration energy system for the simultaneous production of electrical power and heating	2023	Scientific Reports	13	1		
Howari H.; Parvez M.; Khan O.; Alhodaib A.; Mallah A.; Yahya Z.	Multi-Objective Optimization for Ranking Waste Biomass Materials Based on Performance and Emission Parameters in a Pyrolysis Process—An AHP–TOPSIS Approach	2023	Sustainability (Switzerland)	15	4		

Khan O.; Khan M.Z.; Alam M.T.; Ullah A.; Abbas M.; Saleel C.A.; Shaik S.; Afzal A.	Comparative Study of Soft Computing and Metaheuristic Models in Developing Reduced Exhaust Emission Characteristics for Diesel Engine Fueled with Various Blends of Biodiesel and Metallic Nanoadditive Mixtures: An ANFIS-GA-HSA Approach	2023	ACS Omega	8	8	7344	7367
Singh D.; Singh S.; Yadav A.K.; Khan O.; Dewangan A.; Alkahtani M.Q.; Islam S.	From Theory to Practice: A Sustainable Solution to Water Scarcity by Using a Hybrid Solar Distiller with a Heat Exchanger and Aluminum Oxide Nanoparticles	2023	ACS Omega	8	37	33543	33553
Nasim M.A.G.; Khan O.; Parvez M.; Bhatt B.K.	Optimizing ultrasonic reactor operating variables using intelligent soft computing models for increased biodiesel production	2023	Green Technologies and Sustainability	1	3		
Khan O.; Ul Islam S.M.; Hassan T.; Ahmad H.; Ur Rahman M.A.; Dewangan A.K.	Optimization of solar collector system based on different nanofluids	2023	Thermal Energy Systems: Design, Computational Techniques, and Applications		41	57	
Khan O.; Parvez M.; Kumari P.; Yadav A.K.; Akram W.; Ahmad S.; Parvez S.; Idrisi M.J.	Modelling of compression ignition engine by soft computing techniques (ANFIS-NSGA-II and RSM) to enhance the performance characteristics for leachate blends with nano-additives	2023	Scientific Reports	13	1		
Ghani Nasim M.A.; Parvez M.; Khan O.; Warsi G.H.; Hassaan M.; Dewangan A.K.	Performance evaluation of diesel engine with fuels prepared from hydrogen and nanoparticle blended biodiesel by varying injection pressure	2023	Thermal Energy Systems: Design, Computational Techniques, and Applications		231	247	
Akram W.; Parvez M.; Rafi K.M.; Khan O.	First and Second Law Analyses of an Organic Rankine Cycle to Recover the Waste Heat from the Solar-Operated Combined Cycle Power Plants with Grid	2023	Springer Proceedings in Materials	28		369	376
Nasim M.A.G.; Khan O.; Parvez M.; Chouhan P.S.	Maximizing biodiesel production: An intelligent software-driven optimization of ultrasonic reactor operating variables	2023	Bioresource Technology Reports	22			
Akram W.; Parvez M.; Khan O.	Parametric analysis of solar-assisted trigeneration system based on energy and exergy analyses	2023	Journal of Thermal Engineering	9	3	764	775
Khan O.; Parvez M.; Kumari P.; Parvez S.; Ahmad S.	The future of pharmacy: How AI is revolutionizing the industry	2023	Intelligent Pharmacy	1	1	32	40

Ahamad T.; Parvez M.; Lal S.; Khan O.; Yahya Z.; Saeed Azad A.	Assessing Water Desalination in the United Arab Emirates: An Overview	2023	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023			1373	1377
Seraj M.; Parvez M.; Ahmad S.; Khan O.	Sustainable energy transition and decision-making for enhancing the performance of building equipment in diverse climatic conditions	2023	Green Technologies and Sustainability	1	3		
Khan O.; Parvez M.; Alansari M.; Farid M.; Devarajan Y.; Thanappan S.	Application of artificial intelligence in green building concept for energy auditing using drone technology under different environmental conditions	2023	Scientific Reports	13	1		
Khan O.; Khan M.Z.; Bhatt B.K.; Alam M.T.; Tripathi M.	Multi-objective optimization of diesel engine performance, vibration and emission parameters employing blends of biodiesel, hydrogen and cerium oxide nanoparticles with the aid of response surface methodology approach	2023	International Journal of Hydrogen Energy	48	56	21513	21529
Ansari M.I.H.; Bhateja A.; Sharma I.	Axial segregation of granular mixtures in laterally shaken multi-trapezium channels	2023	Powder Technology	417			
Siddiqui M.A.; Almatrafi E.	Development and assessment of a novel integrated system powered by parabolic trough collectors for combined power, heating and freshwater production	2023	Clean Energy	7	5	1110	1124
Almatrafi E.; Siddiqui M.A.	Novel proposal and assessment of a solar-powered supercritical CO ₂ cycle integrated with adsorption desalination system for electricity, heating and desalination	2023	Case Studies in Thermal Engineering	49			
Siddiqui M.A.	Development and assessment of a novel natural gas fuelled HCCI engine based combined power, heating, and refrigeration system	2023	Energy	283			
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
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
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

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		
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				
Shoeb M.; Kumar L.; Haleem A.; Javaid M.	Composites in Context to Additive Manufacturing	2022	Lecture Notes on Multidisciplinary Industrial Engineering	Part F41		491	503
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
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
Javaid M.; Haleem A.; Singh R.P.; Khan S.; Suman R.	An extensive study on Internet of Behavior (IoB) enabled Healthcare-Systems: Features, facilitators, and challenges	2022	BenchCouncil Transactions on Benchmarks, Standards and Evaluations	2	4		
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
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
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
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
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
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
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

Vaishya R.; Haleem A.	Technology and orthopaedic surgeons	2022	Journal of Orthopaedics	34		414	415
Haleem A.; Javaid M.; Singh R.P.; Khan S.	Guest editorial: Industry 4.0 special issue	2022	Industrial Robot	49	3	385	
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
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
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
Khan S.; Haleem A.; Fatma N.	Effective adoption of remanufacturing practices: a step towards circular economy	2022	Journal of Remanufacturing	12	2	167	185
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
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
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
Azeem M.; Haleem A.; Javaid M.	Symbiotic Relationship Between Machine Learning and Industry 4.0: A Review	2022	Journal of Industrial Integration and Management	7	3	401	433
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
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
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

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
Javaid M.; Haleem A.; Singh R.P.; Suman R.; Khan S.	A review of Blockchain Technology applications for financial services	2022	BenchCouncil Transactions on Benchmarks, Standards and Evaluations	2	3
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
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
Haleem A.; Javaid M.; Singh R.P.	An era of ChatGPT as a significant futuristic support tool: A study on features, abilities, and challenges	2022	BenchCouncil Transactions on Benchmarks, Standards and Evaluations	2	4
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
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
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
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
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
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		

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
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
Khurana S.; Luthra S.; Haleem A.; Kumar A.; Mannan B.	Can sustainability be achieved through sustainable oriented innovation practices? Empirical evidence of micro, small and medium scale manufacturing enterprises	2022	Sustainable Development	30	6	1591	1615
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
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
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
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				
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
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
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
Rab S.; Yadav S.; Haleem A.	A laconic capitulation of high pressure metrology	2022	Measurement: Journal of the International Measurement Confederation	187			
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

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
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			
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
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
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
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
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
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
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		
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
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			

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		
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
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
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			
Hassan A.K.; Muzaffarul Hasan M.; Khan M.E.	Heat transfer and fluid flow investigation in dimple roughened solar duct arranged in multiple arc pattern	2022	International Journal of Ambient Energy	43	1	1866	1877
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		
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
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
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
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
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

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
Equbal A.; Ali M.; Equbal M.A.; Srivastava S.C.; Khan Z.A.; Equbal M.I.; Badruddin I.A.; El-Hady K.M.; Kamangar S.	Characteristics of Conventional and Microwave Sintered Iron Ore Preform	2022	Materials	15	7		
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
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	9	3	1340	1355
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
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		
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
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		
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

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			
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
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
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		
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
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
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				
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
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
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
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
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	12-Nov	7133	7144
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

Kumar K.; Jain A.; Siddiquee A.N.	Special Issue: Multi-Functional Nanostructured Sustainable Coatings	2022	Coatings	12	12		
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 L: Journal of Materials: Design and Applications	236	5	917	932
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
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		
Majeed T.; Siddiquee A.N.; Mehta Y.	Effect of friction stir welding parameters on microstructure-based defect formation and mechanical properties of Tailor Welded Blanks	2022	Materials Today Communications	33			
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
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		
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			
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		
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		
Li Q.; Chen X.; Chen X.; Siddiquee A.N.; B. Deev	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

V.; Konovalov S.; Wen M.							
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		
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
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
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
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
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
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
Ahmad Z.; Khan S.; Câmara Cozza R.; Penchaliah R.; Verma V.	Assessment of the tribological behavior of a metallic tribopair: LM25 alloy-Si3N4 composites against EN 31 steel	2022	Materials Today: Proceedings	67		431	437
Hussain M.Z.; Khan S.	Fabrication and tribological behavior of MnO2/epoxy nanocomposites	2022	High Performance Polymers	34	7	742	758
Zakir Hussain M.; Khan S.; Sarmah P.	Effect of parameters: Milling time and wt. % Al2O3 on mass density and hardness of Al2O3/Cu micro-composite	2022	Materials Today: Proceedings	62		671	678
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

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
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
Ashwni; Sherwani A.F.	Analysis of solar energy driven organic Rankine cycle-vapor compression refrigeration system	2022	Thermal Science and Engineering Progress	35			
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
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
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
Ashwni; Sherwani A.F.	Advanced exergy analysis of renewable heat source driven ORC-VCR system	2022	Materials Today: Proceedings	56		3687	3691
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
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
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			
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
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
Javaid M.; Khan I.H.; Suman R.; Khan S.	Role of virtual reality for healthcare education	2022	Extended Reality for Healthcare Systems: Recent Advances in Contemporary Research			95	113

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
Javaid M.; Khan I.H.	Virtual Reality (VR) Applications in Cardiology: A Review	2022	Journal of Industrial Integration and Management	7	2	183	202
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
Kumar L.; Ramakanth D.; Akhila K.; Gaikwad K.K.	Edible films and coatings for food packaging applications: a review	2022	Environmental Chemistry Letters	20	1	875	900
Kumar L.; Deshmukh R.K.; Gaikwad K.K.	Antimicrobial packaging film from cactus (Cylindropuntia fulgida) mucilage and gelatine	2022	International Journal of Biological Macromolecules	215		596	605
Equbal A.; Israr Equbal M.; Badruddin I.A.; Algahtani A.	A critical insight into the use of FDM for production of EDM electrode	2022	Alexandria Engineering Journal	61	5	4057	4066
Khan O.; Emran Khan M.; Parvez M.; Ahmed K.A.A.R.; Ahmad I.	Extraction and Experimentation of Biodiesel Produced from Leachate Oils of Landfills Coupled with Nano-Additives Aluminium Oxide and Copper Oxide on Diesel Engine	2022	Materials Horizons: From Nature to Nanomaterials			319	332
Seraj M.; Khan O.; Khan M.Z.; Parvez M.; Bhatt B.K.; Ullah A.; Alam M.T.	Analytical research of artificial intelligent models for machining industry under varying environmental strategies: An industry 4.0 approach	2022	Sustainable Operations and Computers	3		176	187
Khan O.; Khan M.Z.; Khan E.; Bhatt B.K.; Afzal A.; Ağbulut Ü.; Shaik S.	An enhancement in diesel engine performance, combustion, and emission attributes fueled with Eichhornia crassipes oil and copper oxide nanoparticles at different injection pressures	2022	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	3	6501	6522
Asjad Siddiqui M.; Khaliq A.; Kumar R.	Thermodynamic Investigations of a Turbocharged Homogeneous Charge Compression Ignition (HCCI) Engine Running on Wet Ethanol	2022	Lecture Notes in Mechanical Engineering			439	447
Siddiqui M.A.; Khaliq A.; Kumar R.	Thermodynamic and Comparative Analysis of Ejector Refrigeration Cycle and Absorption Refrigeration Cycle Integrated Wet Ethanol-Fueled HCCI Engine for Cogeneration of Power and Cooling	2022	Journal of Thermal Science and Engineering Applications	14	4		

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
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
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
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		
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
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
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			
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
Haleem A.; Javaid M.; Singh R.P.; Suman R.	Telemedicine for healthcare: Capabilities, features, barriers, and applications	2021	Sensors International	2			
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
Javaid M.; Haleem A.; Rab S.; Pratap Singh R.; Suman R.	Sensors for daily life: A review	2021	Sensors International	2			
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
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			

Javaid M.; Haleem A.; Pratap Singh R.; Suman R.	Significance of Quality 4.0 towards comprehensive enhancement in manufacturing sector	2021	Sensors International	2			
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	4-Mar	256	271
Haleem A.; Javaid M.; Singh R.P.; Rab S.; Suman R.	Hyperautomation for the enhancement of automation in industries	2021	Sensors International	2			
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
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
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
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			
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
Haleem A.; Khan M.I.; Khan S.	Understanding the Adoption of Halal Logistics through Critical Success Factors and Stakeholder Objectives	2021	Logistics	5	2		
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			
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
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

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
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
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 COVID-19, climate changes and other crises	2021	Journal of Cleaner Production	280			
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
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
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			
Kumar L.; Haleem A.; Javaid M.	Impact of three dimensional printing in orthopedics	2021	Global Health Journal	5	4	178	182
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
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
Javaid M.; Haleem A.	3D bioprinting applications for the printing of skin: A brief study	2021	Sensors International	2			
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
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
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

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
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
Haleem A.; Javaid M.; Singh R.P.; Suman R.; Rab S.	Biosensors applications in medical field: A brief review	2021	Sensors International	2			
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
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
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
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
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
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
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
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
Javaid M.; Haleem A.; Singh R.P.; Rab S.; Suman R.	Exploring the potential of nanosensors: A brief overview	2021	Sensors International	2			
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

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
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
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			
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
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
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
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
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
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
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
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
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	229

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
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
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
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
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		
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
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
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
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			
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
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

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
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			
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
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
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
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
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		
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
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		
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
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		
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

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		
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
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
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
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			
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
Jacob A.; Maheshwari S.; Siddiquee A.N.; Al-Ahmari A.; Abidi M.H.; Konovalov 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
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
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
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

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		
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			
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
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
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
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
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		
Gangil N.; Siddiquee A.N.; Maheshwari S.	Recent Advancements in Shape Memory Alloy Reinforced Metal Matrix Composites	2021	Handbook of Polymer and eramic Nanotechnology: Volume 1,2	1		639	664
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
Khan T.; Bajaj D.; Siddiquee A.N.	Friction stir engineering for fabrication of ultra-refined CuNiMgZn alloys	2021	Materials Letters	291			

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
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			
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
Akhtar I.; Kirmani S.; Hasan S.; Khan S.	Advanced control approach for solar assisted electric vehicle drive	2021	Materials Today: Proceedings	46		10806	10810
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
Ahmad Z.; Khan S.	Mechanical characterization of LM25 alloy matrix composite reinforced with boron carbide	2021	Journal of Composite Materials	55	22	3151	3158
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
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
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
Singh S.K.; Wagmare 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			
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
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		
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
Ashwni; Sherwani A.F.	Thermodynamic analysis of hybrid heat source driven organic Rankine cycle integrated flash tank vapor-compression refrigeration system; [Analyse thermodynamique d'un système frigorifique à	2021	International Journal of Refrigeration	129		267	277

	compression de vapeur à cycle organique de Rankine intégré et alimenté par une source de chaleur hybride]						
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
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
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
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		
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			
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			
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
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
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
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

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
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
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
Hasan M.; Patel B.P.; Pradyumna S.	Influence of cross-sectional velocity profile on flow characteristics of arterial wall modeled as elastic and viscoelastic material	2021	International Journal for Numerical Methods in Biomedical Engineering	37	6		
Hasan MD.; Patel B.P.; Pradyumna S.	A benchmark study on the axial velocity profile of wave propagation in deformable blood vessels	2021	Physics of Fluids	33	4		
Hasan M.; Patel B.P.; Pradyumna S.	Computationally efficient finite element formulation for blood flow analysis in multi-layered aorta modeled as viscoelastic material	2021	International Journal for Numerical Methods in Engineering	122	16	4313	4332
Gupta G.A.; Ansari I.A.; Ramkumar J.; Kar K.K.	Rheological characterization of newly developed fly-ash mixed polymeric media and its finishing performance through abrasive flow machining	2021	Cleaner Engineering and Technology	2			
Ansari I.A.; Gupta G.A.; Ramkumar J.; Kar K.K.	Fly ash-mixed polymeric media for abrasive flow machining process	2021	Handbook of Fly Ash			681	713
Ansari I.A.; Sharma D.; Kar K.K.; Ramkumar J.	Investigation of precision finishing of helical gears using newly developed silicon carbide mixed styrene butadiene media and abrasive flow finishing process	2021	Current Nanomaterials	6	2	140	150
Equbal A.; Akhter S.; Sood A.K.; Equbal I.	The usefulness of additive manufacturing (AM) in COVID-19	2021	Annals of 3D Printed Medicine	2			
Prakash J.; Equbal M.I.; Equbal A.	Investigative study on dimensional accuracy of machined cavity formed during EDM of AISI 1035	2021	Materials Today: Proceedings	47		3217	3220
Zeeshan M.; Alam M.R.; Khan O.; Parvez M.; Azad A.S.	Thermal load calculation of building envelope set up with the help of a drone setup	2021	Proceedings of the 1st International Conference on Advances in Computing and Future Communication Technologies, ICACFCT 2021			186	190
Khaliq A.; Almohammadi B.A.; Alharthi M.A.; Siddiqui M.A.; Kumar R.	Investigation of a Combined Refrigeration and Air Conditioning System Based on Two-Phase Ejector Driven by Exhaust Gases of Natural Gas Fueled Homogeneous Charge Compression Ignition Engine	2021	Journal of Energy Resources Technology, Transactions of the ASME	143	12		
Siddiqui M.A.; Khaliq A.; Kumar R.	Proposal and analysis of a novel cooling-power cogeneration system driven by the exhaust gas heat of HCCI engine fuelled by wet-ethanol	2021	Energy	232			

Siddiqui M.A.; Khaliq A.; Kumar R.	Thermodynamic analysis of exhaust waste heat recovery from turbocharged HCCI engine fueled by wet-ethanol using an absorption refrigeration cycle (ARC)	2021	Materials Today: Proceedings	47		6257	6261
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
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
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
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
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
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 Arthroplasty	35	10	3055	3056
Haleem A.; Javaid M.; Khan I.	Holography applications toward medical field: An overview	2020	Indian Journal of Radiology and Imaging	30	3	354	361
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
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
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
Haleem A.; Javaid M.	Industry 4.0 and its applications in dentistry	2020	Indian Journal of Dental Research	31	5	824	825
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
Haleem A.; Javaid M.; Vaishya R.	3D printing applications for the treatment of cancer	2020	Clinical Epidemiology and Global Health	8	4	1072	1076

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
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
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
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
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
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
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
Javaid M.; Haleem A.	Significant advancements of 4D printing in the field of orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S485	S490
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
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
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
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
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

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
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
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
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
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			1	17
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
Javaid M.; Haleem A.	3D printed tissue and organ using additive manufacturing: An overview	2020	Clinical Epidemiology and Global Health	8	2	586	594
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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
Haleem A.; Javaid M.	3D printed medical parts with different materials using additive manufacturing	2020	Clinical Epidemiology and Global Health	8	1	215	223
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
Javaid M.; Haleem A.	Impact of industry 4.0 to create advancements in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S491	S499
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

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
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
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
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
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
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
Kumar S.; Haleem A.; Sushil; Qadri M.A.	Analysis of Firm-Level Innovativeness Indicators	2020	Lecture Notes in Mechanical Engineering			635	642
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
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
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
Haleem A.; Javaid M.; Khan I.H.	Internet of things (IoT) applications in orthopaedics	2020	Journal of Clinical Orthopaedics and Trauma	11		S105	S106
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
Javaid M.; Haleem A.	Virtual reality applications toward medical field	2020	Clinical Epidemiology and Global Health	8	2	600	605
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
Afzal A.; Saleel C.A.; Badruddin I.A.; Khan T.M.Y.; Kamangar S.	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			

Mallick Z.; Samuel O.D.; Soudagar M.E.M.							
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
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
Meraj Md.; Khan M.E.; Azhar Md.	Performance analyses of photovoltaic thermal integrated concentrator collector combined with single effect absorption cooling cycle: Constant flow rate mode	2020	Journal of Energy Resources Technology, Transactions of the ASME	142	12		
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
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
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
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
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
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
Seraj M.; Yahya S.M.; Badruddin I.A.; Anqi	Multi-response optimization of nanofluid-based I. C. engine cooling system using fuzzy PIV method	2020	Processes	8	1		

A.E.; Asjad M.; Khan Z.A.							
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
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
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		
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
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
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
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
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
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
Ali M.; Anjum S.; Siddiquee A.N.; Khan Z.A.; Chen X.	Defect formation during dissimilar aluminium friction stir welded T-joints	2020	Mechanics and Industry	21	2		

Konovalov S.; Anjum A.; Shakeel S.; Ibrahimi H.							
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
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
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
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				
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			
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
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
Kumar S.; Suhaib M.; Asjad M.	Industry 4.0: Complex, disruptive, but inevitable	2020	Management and Production Engineering Review	11	1	43	51
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
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		
Waseem M.; Sherwani A.F.; Suhaib M.	Highway Gradient Effects on Hybrid Electric Vehicle Performance	2020	Lecture Notes in Civil Engineering	58		583	592
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

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
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
Waseem M.; Sherwani A.F.; Suhaib M.	Driving Pattern-based Optimization and Design of Electric Propulsion System for Three-Wheeler Battery Vehicle	2020	International Journal of Performability Engineering	16	3	342	353
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
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
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
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
Xizhang Chen; Fang Y.; Zhao S.; Wang Y.; Gangil N.; Siddiquee A.N.; Konovalov 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
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
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
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

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
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		
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		
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		
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
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
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
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
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			
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			

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			
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
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
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
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
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
Siddiqui T.U.; Singh M.K.	Experimental investigations on the performance of nanoboric acid suspensions in coconut oil during milling operation on Al 6061-T6 alloy	2020	IOP Conference Series: Materials Science and Engineering	988	1		
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	10-Sep	2855	2880
Parvez M.; Khan O.	Parametric simulation of biomass integrated gasification combined cycle (BIGCC) power plant using three different biomass materials	2020	Biomass Conversion and Biorefinery	10	4	803	812
Parvez M.; Khalid F.; Khan O.	Thermodynamic performance assessment of solar-based combined power and absorption refrigeration cycle	2020	International Journal of Exergy	31	3	232	248
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
Kumar S.; Haleem A.; Sushil	Assessing innovativeness of manufacturing firms using an intuitionistic fuzzy based MCDM framework	2019	Benchmarking	26	6	1823	1844
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

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
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
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
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	3-Feb	225	238
Haleem A.; Javaid M.; Vaishya R.	Holography applications for orthopaedics	2019	Indian Journal of Radiology and Imaging	29	4	477	479
Javaid M.; Haleem A.; Kumar L.	Dimensional errors during scanning of product using 3D scanner	2019	Lecture Notes in Mechanical Engineering			727	736
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
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		
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
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
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
Haleem A.; Javaid M.	Industry 5.0 and its applications in orthopaedics	2019	Journal of Clinical Orthopaedics and Trauma	10	4	807	808
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
Khurana S.; Haleem A.; Mannan B.	Determinants for integration of sustainability with innovation for Indian manufacturing enterprises: Empirical evidence in MSMEs	2019	Journal of Cleaner Production	229		374	386
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

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
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
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
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
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
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		
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		
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
Khan M.I.; Khan S.; Haleem A.	Compensating impact of globalisation through fairtrade practices	2019	Contributions to Management Science			269	283
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
Haleem A.; Javaid M.	Additive manufacturing applications in industry 4.0: A review	2019	Journal of Industrial Integration and Management	4	4		
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
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
Haleem A.; Javaid M.	3D scanning applications in medical field: A literature-based review	2019	Clinical Epidemiology and Global Health	7	2	199	210

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
Shuaib M.; Haleem A.; Kumar L.; Rohan; Sharma D.	Design and analysis of steering knuckle joint	2019	Lecture Notes in Mechanical Engineering			423	431
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
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
Javaid M.; Haleem A.	4D printing applications in medical field: A brief review	2019	Clinical Epidemiology and Global Health	7	3	317	321
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			
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
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
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
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
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
Siddiquee A.N.; Khan Z.A.; Goel P.	Engineering Mechanics: Problems and Solutions	2019	Engineering Mechanics: Problems and Solutions			1	788

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		
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		
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
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
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
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		
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
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
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		
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

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
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		
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			
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		
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		
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		
Parveen A.; Chauhan N.R.; Suhaib M.	Study of Si ₃ N ₄ reinforcement on the morphological and tribo-mechanical behaviour of aluminium matrix composites	2019	Materials Research Express	6	4		
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
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
Neha E.; Suhaib M.; Mukherjee S.	Design issues in multi-finger robotic hands: An overview	2019	Lecture Notes in Mechanical Engineering			335	343
Neha E.; Suhaib M.; Mukherjee S.	Grasp Force Analysis of Four-finger Tendon Actuated Robotic Hand	2019	ACM International Conference Proceeding Series				
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

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
Chen X.; Liu K.; Guo W.; Gangil N.; Siddiquee A.N.; Konovalov S.	The fabrication of NiTi shape memory alloy by selective laser melting: a review	2019	Rapid Prototyping Journal	25	8	1421	1432
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
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		
Rathee S.; Maheshwari S.; Siddiquee A.N.; Srivastava M.	Investigating the Effects of SiC Particle Sizes on Microstructural and Mechanical Properties of AA5059/SiC Surface Composites During Multi-Pass FSP	2019	Silicon	11	2	797	805
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
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		
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
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		
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
Wang Y.; Chen X.; Konovalov 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

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
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
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		
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		
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
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
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
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
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
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
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
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

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
Pradeep A.; Sharma A.K.	Numerical investigation of single bubble dynamics in liquid sodium pool	2019	Sadhana - Academy Proceedings in Engineering Sciences	44	3		
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			
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
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
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
Singh A.; Asjad M.; Gupta P.	A conceptual development of reconfigurable drill machine tool (RDMT)	2019	SN Applied Sciences	1	10		
Sood A.K.; Equbal A.	Feasibility of FDM-electroplating process for EDM electrode fabrication	2019	Materials Today: Proceedings	28		1154	1157
Equbal A.; Equbal M.I.; Sood A.K.	An investigation on the feasibility of fused deposition modelling process in EDM electrode manufacturing	2019	CIRP Journal of Manufacturing Science and Technology	26		10	25
Equbal A.; Equbal M.I.; Sood A.K.	PCA-based desirability method for dimensional improvement of part extruded by fused deposition modelling technology	2019	Progress in Additive Manufacturing	4	3	269	280
Ohdar R.K.; Equbal A.; Israr Equbal Md.	Hot deformation studies of AISI 1035 steel using thermo mechanical simulator	2019	Materials Today: Proceedings	26		3305	3310
Meraj M.; Emran Khan M.; Tiwari G.N.; Khan O.	Optimization of electrical power of solar cell of photovoltaic module for a given peak power and photovoltaic module area	2019	Lecture Notes in Mechanical Engineering			417	433
Ansari M.I.; Siddique M.H.; Samad A.; Anwer S.F.	On the optimal morphology and performance of a modeled dragonfly airfoil in gliding mode	2019	Physics of Fluids	31	5		

Hussain M.S.; Ali M.	A Multi-agent Based Dynamic Scheduling of Flexible Manufacturing Systems	2019	Global Journal of Flexible Systems Management	20	3	267	290
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
Khan M.I.; Haleem A.; Khan S.	Defining Halal Supply Chain Management	2018	Supply Chain Forum	19	2	122	131
Shahbaz Khan M.; Mohd Imran Khan M.; Abid Haleem D.; Mohd Shuaib M.; Khan S.; Shuaib M.	Selection of Traceable Technology in Food Supply Chain	2018	IOP Conference Series: Materials Science and Engineering	404	1		
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
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	220	225
Javaid M.; Haleem A.	Additive manufacturing applications in orthopaedics: A review	2018	Journal of Clinical Orthopaedics and Trauma	9	3	202	206
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		
Mohd Imran Khan M.; Shahbaz Khan M.; Abid Haleem D.; Mohd Javaid M.; Khan S.	Prioritising Barriers towards Adoption of Sustainable Consumption and Production Practices using TOPSIS	2018	IOP Conference Series: Materials Science and Engineering	404	1		
Shahbaz Khan M.; Mohd Imran Khan M.; Abid Haleem D.; Khan S.	Towards Effective Management of Cold Chain: A DEMATEL Approach	2018	IOP Conference Series: Materials Science and Engineering	404	1		
Mohd Imran Khan M.; Shahbaz Khan M.; Abid Haleem D.; Khan S.	Facilitating Fair Trade Practices as a Development Strategy	2018	IOP Conference Series: Materials Science and Engineering	404	1		
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
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

Abid Haleem D.; Mohd Imran Khan M.; Shahbaz Khan M.; Abdul Hafaz Ngah D.; Khan S.; Hafaz Ngah A.	Assessing Barriers to Adopting and Implementing Halal Practices in Logistics Operations	2018	IOP Conference Series: Materials Science and Engineering	404	1		
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		
Haleem A.; Javaid M.; Vaishya R.	4D printing and its applications in Orthopaedics	2018	Journal of Clinical Orthopaedics and Trauma	9	3	275	276
Haleem A.; Javaid M.; Saxena A.	Additive manufacturing applications in cardiology: A review	2018	Egyptian Heart Journal	70	4	433	441
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		
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
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
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
Yadav A.K.; Khan M.E.; Pal A.; Ghosh U.	Performance and emission characteristics of a stationary diesel engine fuelled by Schleichera Oleosa Oil Methyl Ester (SOME) produced through hydrodynamic cavitation process	2018	Egyptian Journal of Petroleum	27	1	89	93
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
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			30	33

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 (<i>Thevetia peruviana</i>) oil biodiesel produced through hydrodynamic cavitation method	2018	International Journal of Ambient Energy	39	4	365	371
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
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		
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		
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
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
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		
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		
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
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		
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

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
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
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
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		
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
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
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
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		
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
Chen X.; Su C.; Wang Y.; Siddiquee A.N.; Konovalov 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
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

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
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
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
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
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
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		
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		
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		
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		
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
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
Mufazzal S.; Muzakkir S.M.	Identification of Optimal Alternative as a Prospective Candidate for Further Design Improvements using Preference Selection Index Method	2018	International Conference on Innovations in Control, Communication and Information Systems, ICICCI 2017				

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
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
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
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			
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
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
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		
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
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
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
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
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

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
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
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
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
Asjad M.; Alam A.; Hasan F.	A comparative study of classifier techniques for lift index data analysis	2018	Benchmarking	25	2	632	641
Asjad M.; Talib F.	Selection of optimal machining parameters using integrated MCDM approaches	2018	International Journal of Advanced Operations Management	10	2	109	129
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		
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- und Stoffuebertragung	54	12	3739	3745
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
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	4-Jan	1505	1528
Equbal M.I.; Equbal A.; Mukerjee D.	A Full Factorial Design-Based Desirability Function Approach for Optimization of Hot Forged Vanadium Micro-alloyed Steel	2018	Metallography, Microstructure, and Analysis	7	5	504	523
Equbal M.I.; Equbal A.; Equbal M.A.; Pranav R.	Optimisation of forging parameters of 35C8 steel using grey relational analysis	2018	International Journal of Microstructure and Materials Properties	13	4-Mar	198	212
Equbal A.; Equbal M.A.; Sood A.K.; Pranav R.; Equbal M.I.	A Review and Reflection on Part Quality Improvement of Fused Deposition Modelled Parts	2018	IOP Conference Series: Materials Science and Engineering	455	1		

Ansari I.H.; Rivas N.; Alam M.	Phase-coexisting patterns, horizontal segregation, and controlled convection in vertically vibrated binary granular mixtures	2018	Physical Review E	97	1		
Ansari M.I.H.; Qurashi A.; Nazeeruddin M.K.	Frontiers, opportunities, and challenges in perovskite solar cells: A critical review	2018	Journal of Photochemistry and Photobiology C: Photochemistry Reviews	35		1	24
Ansari M.I.; Anwer S.F.	Numerical analysis of an insect wing in gliding flight: Effect of corrugation on suction side	2018	Fluid Dynamics and Materials Processing	14	4	259	279
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		
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
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
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
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
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
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	2-Jan	42	61
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
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

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
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
Yadav A.K.; Khan M.E.; Pal A.; Dubey A.M.	Experimental Investigations of Performance and Emissions Characteristics of Kusum (Schleichera Oleosa) Biodiesel in a Multi-Cylinder Transportation Diesel Engine	2017	Waste and Biomass Valorization	8	4	1331	1341
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
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
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
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
Khan N.Z.; Siddiquee A.N.; Khan Z.A.	Friction stir welding: Dissimilar aluminum alloys	2017	Friction Stir Welding: Dissimilar Aluminium Alloys			1	168
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
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
Mohammed M.T.; Khan Z.A.	Investigations on the Biomechanical Compatibility of a Novel Titanium Alloy	2017	Materials Today: Proceedings	4	9	10432	10436
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
Furqan M.; Suhaib M.; Ahmad N.	Studies on Stewart platform manipulator: A review	2017	Journal of Mechanical Science and Technology	31	9	4459	4470

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	229	233		
Neha E.; Suhaib M.; Mukherjee S.	Motion planning for a four-fingered robotic hand	2017	ACM International Conference Proceeding Series	Part F132085			
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		
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
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
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
Rathee S.; Maheshwari S.; Siddiquee A.N.; Srivastava M.	Investigating Effects of Groove Dimensions on Microstructure and Mechanical Properties of AA6063/SiC Surface Composites Produced by Friction Stir Processing	2017	Transactions of the Indian Institute of Metals	70	3	809	816
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		
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
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	717			719
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		
Tiwari D.; Sherwani A.F.; Atheaya D.; Arora A.	Energy and exergy analysis of solar driven recuperated organic Rankine cycle using glazed	2017	Solar Energy	155		1431	1442

	reverse absorber conventional compound parabolic concentrator (GRACCPC) system						
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
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
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
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
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
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
Siddiqui T.U.; Ramkumar J.	Micro-wire electric discharge machining of Mg alloy used in biodegradable orthopaedic implants	2017	Materials Today: Proceedings	4	9	10273	10277
Equbal A.; Equbal M.I.; Sood A.K.; Equbal M.A.	A comparative study on electroplating of FDM parts	2017	International Journal of Technology	8	5	930	938
Equbal A.; Banerjee R.; Khan Z.R.; Dixit R.B.	Construction disputes in construction work sites and their probable solutions	2017	International Journal of Civil Engineering and Technology	8	3	74	81
Equbal A.; Sood A.K.; Ansari A.R.; Equbal M.A.	Optimization of process parameters of FDM part for minimizing its dimensional inaccuracy	2017	International Journal of Mechanical and Production Engineering Research and Development	7	2	57	66
Equbal M.A.; Equbal A.; Kumari A.; Ohdar R.	A comprehensive model for supply chain performance measurement: Application in the coal beneficiation plant of steel manufacturing company	2017	IEEE International Conference on Industrial	2017-December		1401	1406

			Engineering and Engineering Management				
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
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
Kumar S.; Haleem A.	Benchmarking using an index for bullwhip effect mitigation	2016	Uncertain Supply Chain Management	4	2	161	170
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
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	8-Jul	604	620
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
Mannan B.; Khurana S.; Haleem A.	Modeling of critical factors for integrating sustainability with innovation for Indian small- and medium-scale manufacturing enterprises: An ISM and MICMAC approach	2016	Cogent Business and Management	3	1		
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				
Kumar S.; Duhan M.; Haleem A.	Evaluation of factors important to enhance productivity	2016	Cogent Engineering	3	1		
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
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
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

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
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
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
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
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
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
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
Kamboj S.K.; Karimi M.N.	A comparison of the performance analysis of the spark ignition engine fuelled with ethanol-iso-octane and methanol-iso-octane fuel blends	2016	International Journal of Sustainable Energy	35	3	205	216
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
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
Muzakkir S.M.	Novel approach for the design of valve system	2016	International Journal of Applied Engineering Research	11	2	1464	1468
Lijesh K.P.; Muzakkir S.M.; Hirani H.	Failure mode and effect analysis of passive magnetic bearing	2016	Engineering Failure Analysis	62		1	20

Muzakkir S.M.	Methodology for the control of wear of journal bearing operating in mixed lubrication regime	2016	International Journal of Applied Engineering Research	11	1	665	668
Muzakkir S.M.	Design of valve system using up-gradation approach	2016	International Journal of Applied Engineering Research	11	1	692	697
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
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
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
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
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
Equbal M.I.; Ohdar R.; Equbal A.; Sood A.K.	Grey-based Taguchi method for optimisation of hot forging of connecting rod	2016	International Journal of Manufacturing Research	11	1	89	109
Ansari I.H.; Alam M.	Pattern transition, microstructure, and dynamics in a two-dimensional vibrofluidized granular bed	2016	Physical Review E	93	5		
Ansari M.I.H.; Hassan S.; Qurashi A.; Khanday F.A.	Microfluidic-integrated DNA nanobiosensors	2016	Biosensors and Bioelectronics	85		247	260
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
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
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
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

Kumar S.; Luthra S.; Haleem A.	Benchmarking supply chains by analyzing technology transfer critical barriers using AHP approach	2015	Benchmarking	22	4	538	558
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
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
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
Bano F.; Mallick Z.; Khan A.A.	Optimization of the levels of grip force, stroke rotation, frequency and grip span for a torquing task	2015	International Journal of Occupational Safety and Ergonomics	21	1	94	104
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
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
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
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
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/Al hybrid composite	2015	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	229	5	802	812
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	5-Apr	1450	1457

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
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
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
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
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
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	5-Apr	1388	1397
Muzakkir S.M.; Kumar S.	Design of mechanical oil seal and gasket	2015	International Journal of Applied Engineering Research	10	12	30911	30926
Muzakkir S.M.; Talreja V.	Design of flywheel for maximization of storage energy using ANSYS	2015	International Journal of Applied Engineering Research	10	19	40291	40300
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
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
Lijesh K.P., Phd; Muzakkir S.M.	Experimental evaluation of MR brake with elliptical profile	2015	International Journal of Applied Engineering Research	10	24	45541	45545

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
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
Lijesh K.P.; Muzakkir S.M.	Models for boundary lubrication	2015	International Journal of Applied Engineering Research	10	24	45533	45540
Lijesh K.P., Ph. D.; Muzakkir S.M.	Service life estimation of rubber seals	2015	International Journal of Applied Engineering Research	10	24	45577	45583
Lijesh K.P.; Muzakkir S.M.	Problems related to synthesis and application of MR fluids	2015	International Journal of Applied Engineering Research	10	24	45489	45495
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
Maillick 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
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
Asjad M.; Kulkarni M.S.; Gandhi O.P.	Optimal support strategy for mechanical systems under contract realm	2015	Benchmarking	22	7	1395	1416
Equbal A.; Sood A.K.	Investigations on metallization in FDM build ABS part using electroless deposition method	2015	Journal of Manufacturing Processes	19		22	31
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
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
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

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
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
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
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
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
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
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
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
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
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
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	4-Jan	479	486
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

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	9-Jul	1597	1600
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
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
Equbal A.; Sood A.	Metallization on FDM parts using the chemical deposition technique	2014	Coatings	4	3	574	586
Shukla P.; Ansari I.H.; Van Der Meer D.; Lohse D.; Alam M.	Nonlinear instability and convection in a vertically vibrated granular bed	2014	Journal of Fluid Mechanics	761		123	167
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
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		
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
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
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
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
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
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

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
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
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
Suhaib M.; Mukherjee S.	Finger gaiting for rotation of sphere by multifingered robot hand	2013	ACM International Conference Proceeding Series				
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
Muzakkir S.M.; Hirani H.; Thakre G.D.	Lubricant for heavily loaded slow-speed journal bearing	2013	Tribology Transactions	56	6	1060	1068
Das S.K.; Sharma A.K.; Hemanth Rao E.; Anandan J.; Avinash C.H.S.S.; Kondala Rao R.; Murthy S.S.; Malarvizhi B.; Lydia G.; Kumaresan M.; Ponraju D.; Nashine B.K.; Chellapandi P.	Post-accident heat removal: Numerical and experimental simulation	2013	Nuclear Engineering and Design	265		1246	1254
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
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
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
Equbal A.; Sood A.K.	Problems and challenges in EDM electrode fabrication using RP: A critical review	2013	World Applied Sciences Journal	28	8	1127	1133

Ansari I.H.; Alam M.	Patterns and velocity field in vertically vibrated granular materials	2013	AIP Conference Proceedings	1542		775	778
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
Khan U.; Haleem A.	Smart organisations: Modelling of enablers using an integrated ISM and fuzzy-MICMAC approach	2012	International Journal of Intelligent Enterprise	1	4-Mar	248	269
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
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
Haleem A.; Sushil; Qadri M.A.; Kumar S.	Analysis of critical success factors of world-class manufacturing practices: An application of interpretative structural modelling and interpretative ranking process	2012	Production Planning and Control	23	11-Oct	722	734
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
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	12-Sep	859	871
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
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	4-Jan	2	21
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
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
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

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
Javaid M.; Garg D.; Ali A.	Increasing sale, profit rate and productivity improvement using supply chain management: A case study	2012	International Journal of Applied Engineering Research	7	11 SUPPL.	1351	1357
Siddiqui T.U.; Shukla M.	Experimental and analytical investigations for abrasive waterjet hole trepanning of thick Kevlar-epoxy composites used in ballistic applications	2012	BHR Group - 21st International Conference on Water Jetting: Looking to the Future, Learning from the Past			35	45
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	4-Jan	385	404
Saxena L.K.; Jain P.K.	A model and optimisation approach for reconfigurable manufacturing system configuration design	2012	International Journal of Production Research	50	12	3359	3381
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	2-Jan	81	89
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
Siddiqui F.Z.; Khan M.E.	Landfill gas recovery and its utilization in India: Current status, potential prospects and policy implications	2011	Journal of Chemical and Pharmaceutical Research	3	5	174	183
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
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
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
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

Suhaib M.; Khan R.A.; Mukherjee S.	Contact force optimization for stable grasp of multifingire robotic grippers	2011	Proceedings of the World Congress on Engineering 2011, WCE 2011	3		2194	2197
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
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
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
Siddiqui T.U.; Shukla M.	Abrasive waterjet hole trepanning of thick Kevlar-epoxy composites for ballistic applications - Experimental investigations and analysis using design of experiments methodology	2011	International Journal of Machining and Machinability of Materials	10	3	172	186
Saxena L.K.; Jain P.K.	Dynamic cellular manufacturing systems design - A comprehensive model	2011	International Journal of Advanced Manufacturing Technology	53	4-Jan	11	34
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	12-Sep	983	992
Mallick Z.	Optimization of the operating parameters of a grass trimming machine	2010	Applied Ergonomics	41	2	260	265
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
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

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
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
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
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
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
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
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			
Siddiqui T.U.; Shukla M.	Modeling of depth of cut in abrasive waterjet cutting of thick Kevlar-epoxy composites	2010	Key Engineering Materials	443		423	427
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
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
Lal R.; Haleem A.	Governance in rural India: An empirical study	2009	Proceedings of the European Conference on e-Government, ECEG			423	429
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
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
Sushil; Haleem A.	Special issue - GLOGIFT 08	2009	Global Journal of Flexible Systems Management	10	1	iii	

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
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
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
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	4-Jan	300	307
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
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	6-Jan	522	533
Al-Darrab I.A.; Khan Z.A.; Ishrat S.I.	Determination of optimum level of factors for producing high-quality biscuits using the Taguchi method	2009	Journal of Culinary Science and Technology	7	3-Feb	105	118
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
Suhail A.; Khan Z.A.	Fuzzy production control with limited resources and response delay	2009	Computers and Industrial Engineering	56	1	433	443
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
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
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

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
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	12-Nov	2858	2870
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
Haleem A.	Flexibility in Business Excellence in Knowledge Economy	2008	Global Journal of Flexible Systems Management	9	1	iii	
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
Khan F.; Haleem A.	Role of technological and people capabilities in India: An empirical study	2008	Global Journal of Flexible Systems Management	9	3-Feb	31	40
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
Mallick Z.	Optimization of operating parameters for a back-pack type grass trimmer	2008	International Journal of Industrial Ergonomics	38	1	101	110
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
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
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
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
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

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
Khan T.A.; Khaliq A.	Second-law based thermodynamic performance assessment of coal-fired electricity generation plant	2008	Journal of the Institution of Engineers (India): Mechanical Engineering Division	89	JULY	29	35
Siddiqui T.U.; Shukla M.; Tambe P.B.	Minimisation of surface roughness in abrasive water jet cutting of transport aircraft glass fibre composite components	2008	19th International Conference on Water Jetting			323	335
Tauseef U.; Shukla M.; Pankaj B.	Optimisation of surface finish in abrasive water jet cutting of Kevlar composites using hybrid Taguchi and response surface method	2008	International Journal of Machining and Machinability of Materials	3	4-Mar	382	402
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
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
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
Lal R.; Haleem A.	e-Governance in rural India: An empirical study	2007	Proceedings of the European Conference on e-Government, ECEG			251	257
Haleem A.	Special issue - GLOGIFT 06	2007	Global Journal of Flexible Systems Management	8	2-Jan	iii	
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
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
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
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

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
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
Bafail A.O.; Ishrat S.I.; Khan Z.A.	Optimization of hydroforming process for manufacturing of stainless steel corrugated flexible hose pipe using the Taguchi method	2007	International Journal of Mechanical and Materials Engineering	2	2	173	179
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
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
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	4-Mar	625	639
Khaliq A.; Khan T.A.	Energetic and exergetic efficiency analysis of an indirect fired air-turbine combined heat and power system	2007	International Journal of Exergy	4	1	38	53
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
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
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
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
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			

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			
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
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
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
Gyanaprakash T.; Varadharaju R.; Kian Y.C.; Zainal Z.A.; Quadir G.A.; Khan Z.A.; Aswathanarayana P.A.; Seetharamu K.N.	Transient analysis of a liquid solar collector	2005	Renewable Energy	30	13	2045	2056
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
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
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	2-Jan	27	46
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