

## Mechanical Engineering Department

### Publication Details

Author(s)	Title	Journal Name/conference	Vol(No)	Page No	Year	Indexed in	No of Citations
Shahid Husain & M. Altamush Siddiqui	Experimental and Numerical Analyses of Natural Convection flow in a partially heated Vertical Annulus	Numerical Heat Transfer- Part A, Taylor & Francis	70 (Issue 7)	Pages: 763-775	2016	SCI	--
Jawed Mustafa, Shahid Husain & M. Altamush Siddiqui	Experimental Studies on Natural Convection of Water in a Closed Loop Vertical Annulus	Experimental Heat Transfer- A Taylor & Francis	(In Press)		ISSN: 0891 - 6152	SCI	2
Wasil Jamal and M. Altamush Siddiqui	Effect of water depth and still orientation on productivity for passive solar distillation	International Journal of Engineering Research and Applications	Vol.2, Issue. 2	pp. 1659 - 1665	ISSN: 2248 - 9622 Mar-Apr 2012	Google	4
Mohammad Seraj, M. Altamush Siddiqui	Performance Analysis of Parallel Flow Single and Double Effect Absorption Cycles	Int. Journal of Innov. Research in Science, Engg and Technology	Vol. 2, Issue 5	pp. 1570 - 1576	ISSN: 2319 - 8753 May 2013	Google	2
Md Azhar and M. Altamush Siddiqui	Thermodynamic Analysis of a Gas Operated Triple Effect Absorption Cycle	Int. Journal of Innov. Research in Science, Engg and Technology	Vol. 2, Issue 5	pp. 1610 - 1616	ISSN: 2319 - 8753 May 2013	Google	1

Shahid Husain, Jawed Mustafa & M. Altamush Siddiqui	Investigation of the Effect of Partial Heating in an Internally Heated Vertical annulus	Int. Journal of Innov. Research in Science, Engg and Technology	Vol. 4, Issue 5	pp. 3228 - 3238	ISSN: 2319 - 8753 May 2015	Google	
Jawed Mustafa, M Altamush Siddiqui and S. Fahad Anwer	Experimental and Numerical Analysis of Heat Transfer in a Tall Vertical Concentric Annular Thermo-siphon at Constant heat Flux Condition	Proc. 23rd Nat Heat & Mass Transfer Conf and 1st Int ISHMT-ASTFE Heat Mass Trans. Conf.	IHMTC -2015	Paper No. 1061-17-20	Dec. 2015		
Shahid Husain, M. Altamush Siddiqui And Jawed Mustafa	1D- unsteady numerical and experimental study on natural convection of water in a vertical annulus	2nd Nat Conf on Adv in Heat Transfer and Fluid Dynamics		pp. 119-124	March 23-24, 2013		
Noman Ashraf, M. Altamush Siddiqui and Jawed Mustafa	Experimental and numerical analysis of natural convection over a constant heat flux vertical plate	2nd Nat Conf on Adv in Heat Transfer and Fluid Dynamics		pp. 125-130	March 23-24, 2013		
Saif Akram, M. Altamush Siddiqui and Jawed Mustafa	Numerical analysis of heat transfer and flow field in solar cooker	2nd Nat Conf on Adv in Heat Transfer and Fluid Dynamics		pp. 197-200	March 23-24, 2013		

MohammadSe raj and M. AltamushSiddi qui	Energy saving through parallel distribution of fluids in the single and double effect absorption cycles	2nd Nat Conf on Adv in Heat Transfer and Fluid Dynamics		pp. 239- 244	Marc h 23- 24, 2013		
MdAzhar and M. AltamushSiddi qui	Thermodyna mic analysis of a triple effect absorption cycle	2nd Nat Conf on Adv in Heat Transfer and Fluid Dynamics		pp. 245- 250	Marc h 23- 24, 2013		
Haroon, A and Baig, M.F.,	Modelling Turbulent drag- reduction using active control of streamwise- travelling wall-normal velocity waves	2 <sup>nd</sup> National Conference on Advances in Fluid Mechanics and Heat Transfer, Aligarh, March 2013			2013		
Baig, M.F., and Fuaad, P.A.,	Turbulent drag reduction using periodically arrayed surface heating	Seventh MIT Conference on Computational Fluid and Solid Mechanics, Boston, USA, June 2013			2013		
Fuaad, P.A., and Baig, M.F.,	Stably stratified heating for turbulent drag- reduction	Indian Conference on Applied Mechanics, IIT Madras, Jul 2013			2013		
Haroon, A., Fuaad, P.A., and Baig, M.F.,	Turbulent drag- reduction using active control of streamwise- travelling wall-normal	International Conference on Computer Aided Engineering, IIT Madras, December, 2013			2013		

	velocity waves						
Khan, B.A., and Baig, M.F.,	Turbulent drag reduction in channel flows using weak-pressure forcing	IUTAM Conference, Goa, December 2014			2014		
Kulshrestha, M., Khan, B.A., and Baig, M.F.,	Separation delay on wings using tubercles	IUTAM Conference, Goa December 2014			2014		
Kulshrestha, M., and Baig, M.F.,	Development of parallelized dynamo solver in spherical shells	IUTAM Conference, Goa, December 2014			2014		
Khan, F.A., and Baig, M.F.,	Turbulent drag-reduction using wall-jets at flight scale Reynolds number	European Turbulence Consortium-15, Delft, Aug. 2015			2015		
Khan, B.A., and Baig, M.F.,	Liquid metals in stably stratified turbulent channel flows	ASHMT- ASTFE heat and mass transfer conference, Thiruvanthapuram , December 2015			2015		
Haroon, A., Baig, M.F. and Fuaad P.A. ,	Turbulent drag-reduction using active control of streamwise travelling waves of wall-normal velocity	European Journal of Mechanics/B	Vol. 49	250-263	2015		4
Fuaad P.A., Baig, M.F., and Haroon,A.,	Drag-reduction in buoyant and neutrally-buoyant	International Journal of heat and mass transfer	Vol.93	1020 - 1033	2016		2

	turbulent flows over hydrophobic surfaces in transverse orientation						
Fuaad P.A., Baig, M.F., and Khan B.A.,	Turbulent drag-reduction using active control of buoyancy forces	International Journal of heat and fluid flow			2016		1
MA Iqbal, SH Khan, R Ansari, NK Gupta	<u>Experimental and numerical studies of double-nosed projectile impact on aluminum plates</u>	International Journal of Impact Engineering	54	232-245	2013		
TU Hasan, R Ansari	Study of the Impact Response of Glass Fiber Reinforced Aluminium Laminates for Conical and Blunt Nose Projectiles	International Journal of Engineering Research and Application	3 (4)	580-587	2013		
NKG S.H Khan , M.A Iqbal , Senthil K , R. Ansari	Ballistic Response of 1100-H14 Thin Aluminum Plates against Blunt and Conical Nose Projectiles	4 <sup>th</sup> Int Conf on Impact Loading of Lightweight Structures (ICILLS), 12 – 16 Jan 2014, Cape Town, South Africa			2014		
Masood Ashraf, M Muzammil, Abid Ali Khan	Effect of Drilling Speed and Task Duration on	Humanising work and work Environment (HWWE-2015)					

	Discomfort Score and Metal Removal Rate on Workers Performing a Drilling Task	Vidyasagar University, Midnapore, West Bengal, India					
Bano, F., Farooq, M., Khan, A.A., and Muzammil, M.	Muscular discomfort due to handle orientation of bicycle ergometer	Global Sci-Tech, India					
Ziaurrahman and Muzammil, M.	Evaluation of tool handle coating materials based on finite element analysis	Global Sci-Tech, India					
B Yadav, S Singhal, SF Hashmi, M Muzammil, AK Singh	Effects of workplace noise on hearing and cardiovascular system	National Journal Of Medical And Allied Sciences					
G Raghav, M Farooq, AA Khan, M Muzammil	Ergonomic evaluation of the wood cutting task using chain saw.	Journal of environmental science & engineering					
AA Khan, M Farooq, M Muzammil	EFFECTS OF UPPER LIMB POSTURES ON SELF PACED CYCLE TIME (SPCT)	Humanising work and work Environment (HWWE-2015)  Vidyasagar University, Midnapore, West Bengal, India					
S Bhardwaj, AA Khan, M Muzammil	Electromyography in Physical	National Conference on Mechanical Engineering –					

	Rehabilitation: A Review	Ideas, Innovations & Initiatives (NCMEI3-2016), Aligarh					
S Arif, M A Alam, M R Arif and A H. Ansari	Fabrication of PMMA/CaCO <sub>3</sub> Nanocomposites: Optimization of Tensile Strength through Taguchi's Analysis	International Journal of Scientific and Research Publications ,ISSN 2250-3153	5(7)	1-6	2015		
S Arif, M A Alam and A H. Ansari	Effect of Stirring Speed and Filler Concentration on Hardness of PMMA/CaCO <sub>3</sub> Nanocomposites and its Optimization through Taguchi's Analysis	International Journal of Innovative Research in Science, Engineering and Technology ISSN(Online): 2319-8753 ISSN	4(6)	4080 - 4087	2015		
M. T. Alam and A. H. Ansari	X-ray diffraction analysis and micro structural examination of Al-SiC composite fabricated by stir casting technique	Int. J. Of Science, Technology & Management, ISSN (ONLINE):2394-1537	4( 01)	941-955	2015		
S Ahmad, M. T. Alam, A Siddiqui and A. H. Ansari	Morphological and Flow Characteristics of Synthesized Polystyrene Composites	IJMET, Journal ISSN Print: 0976 – 6340, ISSN Online: 0976 – 6359	6( 5)	17-24	2015		

S Ahmad, M. T. Alam, A Siddiqui and A. H. Ansari	Wear and Hardness Characterization of Synthesized Polystyrene Composites	IJRSET, Journal ISSN (Online): 2319-8753, ISSN (Print): 2347-6710	4 (8)	7679 - 7686	2015		
S Ahmad, M. T. Alam, A Siddiqui and A. H. Ansari	Tensile Strength of Synthesized Polystyrene Composites	IJSRET Journal ISSN (Online): 2278 – 0882	4(10)	1038 - 1040	2015		
M. Muaz and A.H. Ansari	Effect of injection pressure on tensile properties of polypropylene matrix composites reinforced by mica	Int. J. Of Advanced Technology in Engg and Science ISSN-2348-7550	03 (01)	1504 – 1508	2015		
R Ansari and A. H. Ansari	Nanocomposite Reinforced with Silicon Carbide Mechanical Properties of Aluminium Matrix	International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064		703-706	2014		
S. Haque, A. H. Ansari, P. K. Bharti	Effect of Casting Process Parameters of Al6061-Cu- SiCp metal matrix Composite on Material Removal Rate by Electrical Discharge Machining	Mor. J. Chem	2(4)	343-349	2014		
S. Haque, A. H. Ansari, P. K. Bharti	Effect of pouring temperature and stirring speed on mechanical,	International Journal of Research in Engineering and Technology, Volume:, Jun-,	03 (10)	104 - 109	2014		



	microstructure and machining properties of Al6061-Cu reinforced SiCp metal matrix composites						
S. Haque, A. H. Ansari, P. K. Bharti	Effect of Process Parameters on Wear Rate of Al 6061-Cu reinforced SiCp Metal Matrix Composites	J. Mater. Environ. Sci	5 (5)	1485 - 1489	2014		
S. Haque, P.K. Bharti, A. H. Ansari	Mechanical and Machining Properties Analysis of Al6061-Cu-Reinforced SiCP Metal Matrix Composite	Journal of Minerals and Materials Characterization and Engineering,.	2	54-60	2014		
M. Khan, M Hameedullah, A.H. Ansari, E. Ahmad, MB Lohani, R.H. Khan, M M. Alam, W. Khan, F M Husain, I Ahmad	Flower-shaped ZnO nanoparticles synthesized by a novel approach at near-room temperatures with antibacterial and antifungal properties	International Journal of Nanomedicine	9	1-12	2014		
M. F. Khan, A. H. Ansari, M. Hameedullah, M. B. Lohani, M. M. Alam, Z. A. AlOthman, A. M. Khan, and M. K. Khan	Synthesis, Characterization, Modeling and Antibacterial Properties of Peanut-shaped ZnO	Nano Hybrids	4	61-85	2013		

	Nano-bunches						
Abdullah Y. Usmani, Naiem Akhtar	Existing correlations of top heat loss factor of flat plate solar collectors and impact on useful energy	International Journal of Emerging Technology and Advanced Engineering	Vol. 3, Issue 3	607-612	2013	-	1
Basharat Jamil, Naiem Akhtar	Statistical analysis of short term solar radiation data over Aligarh (India)	International Conference on Clean Energy (ICCE-2014), Istanbul, Turkey, 08-12 <sup>th</sup> June, 2014	Progress in Clean Energy, Volume 2 Novel Systems and Applications, Springer, 2015. (Hardcover ISBN: 978-3-319-17030-5, eBook ISBN: 978-3-319-17031-2)	937-948, doi: 10.1007/978-3-319-17031-2_61	2015	Scopus	-
Basharat Jamil, Naiem Akhtar	Frequency distribution and probabilistic model of global solar radiation	International Conference on Environment and Energy (ICEE-2014), JNTUH, Hyderabad, India, December 15-17 <sup>th</sup> , 2014.	Proceedings of the International Conference on Environment	-	2014	-	-

			and Energy (ISBN 978-93-81212-96-7)				
Basharat Jamil, Naiem Akhtar	Desalination of brackish water using solar stills - A review	International Conference on Environment and Energy (ICEE-2014), JNTUH, Hyderabad, India, December 15-17 <sup>th</sup> , 2014.	Proceedings of the International Conference on Environment and Energy (ISBN 978-93-81212-96-7)	-	2014	-	-
Basharat Jamil, Naiem Akhtar,	Effect of gap between absorber plate and condenser cover on the performance of a solar still (111-330-2-RV)	Global Conference on Global Warming (GCGW-2015), Athens, Greece, May 24-27 <sup>th</sup> , 2015	Energy, Transportation and Global Warming, Springer 2016. (Hardcover ISBN: 978-3-319-30126-6, eBook ISBN:978-3-319-30127-3) DOI: 10.1007/978-3-	161-173, doi: 10.1007/978-3-319-30127-3	2016	Scopus	-

			319-30127-3				
Basharat Jamil, Naiem Akhtar,	Measurement and analysis of solar radiation data over Aligarh (India) (176-404-2-RV)	Global Conference on Global Warming (GCGW-2015), Athens, Greece, May 24-27th, 2015	Conference Proceedings - GCGW 2015 - Athens, Greece, 24-27 May 2015	-	2015	-	-
Basharat Jamil, Naiem Akhtar	Performance Analysis of a Single-Slope Solar Still: Experimental and Numerical Studies	International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) March 17-19th, 2016, Jaipur National University, Jaipur, India.	Accepted for Publication in Material Today Proceedings, Elsevier Publications Journal ISSN:	Not yet issued	2016	Scopus	-
Basharat Jamil, Abid T. Siddiqui, Naiem Akhtar	Estimation of solar radiation and optimum tilt angles for south-facing surfaces in Humid Subtropical Climatic Region of India	Engineering Science and Technology, An International Journal, Elsevier Publications. Journal ISSN:	doi.org/10.1016/j.jestch.2016.10.004	Not yet Issued	2016	EBSCOhost Academic Search (EBSCO) Academic Search Premier (EBSCO) TOC Premier OmniFile Full Text Select (H.W. Wilson) Science and Technology Collection	-
Basharat Jamil, Naiem Akhtar	Estimation of monthly average diffuse solar radiation using	Current research topics in Power, Nuclear, Fuel and Energy (PNFE-2016), St. Peters Engineering	Paper id: PNFE-2016_paper_169	Not yet Issued	2016	Scopus	-

	empirical models in humid subtropical climatic region of India	College, Hyderabad, India during 25th-27th October 2016.	Accepted for Publication in Energy Procedia, Elsevier Publications Journal ISSN:				
Khan I.A.	Multi-Response Ergonomic Analysis of Middle Age Group CNC Machine Operators.	International Journal of Science, Technology and Society.	2(5)	133-151	2014	DRJI, WZB, CNKI Scholar, Journal Seek.	
Khan I.A.	Multi-Response Ergonomic Evaluation of Higher Age Group CNC Machine Operators.	International Journal of Engineering Research and Applications.	4(8) version 7	01-21	2014	DOAJ	
Khan I.A.	Multi-response ergonomic evaluation of female CNC machine operators.	International Journal of Human Factors and Ergonomics.	3(1)	32-64	2014	<a href="#">Academic OneFile (Gale)</a> <a href="#">Google Scholar</a> <a href="#">Info Trac (Gale)</a> <a href="#">Inspec (Institution of Engineering and Technology)Scopus.</a>	
Khan I.A.	Multi-response ergonomic design of human-CNC machine interface.	International Journal of Interactive Design and Manufacturing.	8(1)	13-31	2014	IP PRIMECA, Virtual Concept, SCOPUS, INSPEC, Google Scholar,	

						Academic OneFile, EI-Compendex, Expanded Academic, OCLC, SCImago, Summon by ProQuest	
Khan I.A., Rajput T.S.	Modeling of Wire Electrical Discharge Machining of Alloy Steel (HCHCr).	International Journal of Precision Engineering and Manufacturing.	13(11)	1989 - 1995	2013	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, INSPEC, Google Scholar, CSA, Academic OneFile, Earthquake Engineering Abstracts, OCLC, SCImago, Summon by ProQuest	
Mohammed Ali, Mohd. Murshid	Performance Evaluation of Flexible Manufacturing System Under Different Material Handling Strategies	Global Journal of Flexible Systems Management	Vol. 17, No. 3	287-305	2016	SCOPUS, Google Scholar, CSA Environmental Sciences, EBSCO Discovery Service, OCLC, Research Papers in Economics (RePEc), SCImago, Summon by ProQuest	NIL
Wasif Ullah Khan, Mohammed Ali	Effect of Sequencing Flexibility on the	International Journal of industrial and	Vol. 21, No. 4	474-498	2015	Scopus (Elsevier)	1

	Performance of Flexibility Enabled Manufacturing System	System Engineering				Compendex [formerly Ei] (Elsevier) <u>Academic OneFile</u> (Gale) Expanded Academic ASAP (Gale) Business Collection (Gale) General OneFile (Gale) Google Scholar Info Trac (Gale) Inspec (Institution of Engineering and Technology) ProQuest Advanced Technologies Database with Aerospace	
Mohammed Ali, Zameer Ahmad	A Simulation Study of FMS under Routing and Part Mix flexibility	Global Journal of Flexible Systems Management (	Vol. 15, No. 4	277-294	2014	SCOPUS, Google Scholar, CSA Environmental Sciences, EBSCO Discovery Service, OCLC, Research Papers in Economics (RePEc), SCImago, Summon by ProQuest	3
Ajay Singholi, Mohammed Ali, Chitra Sharma	Evaluating the effect of Machine and Routing	International Journal of Services and Operations Management	Vol. 16, No. 2	240-261	2013	<u>Scopus</u> (Elsevier)	8

	Flexibility on Flexible Manufacturing System Performance					<u>Academic OneFile (Gale) Inspec (Institution of Engineering and Technology) International Abstracts in Operations Research (Palgrave Macmillan)</u>	
Mohammed Ali	Information Based Decision and Control in Flexible Manufacturing Systems	Industrial Engineering Journal	Vol. 6, No. 6	12-19	2013		
Mohd. Murshid, Sanyam Sharma, Mohammed Ali	Performance Analysis of Flexible Manufacturing System by ANOVA	1 <sup>st</sup> International Conference on Mechanical Engineering: Emerging Trends for Sustainability  29-31, January, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, MP.		764-772	2014		
Mohammed Ali	Discrete Event Simulation: An Effective Tool to Evaluate Flexibility in Manufacturing Systems	Thirteenth Global Conference on Flexible Systems Management  13-15, December, IIT-Delhi		632-645	2013		
Irfan Haider, Mohammed Ali, Rafid Suhail	Effect of AGV Fleet Size and Manufacturing Flexibility	Thirteenth Global Conference on Flexible Systems Management		666-679	2013		



	on the Performance of FMS	13-15, December, IIT-Delhi					
Mohd. Shabaan Hussain, Mohammed Ali	Flexibility Enabled Makespan Reduction of a Discrete Part manufacturing system: A Simulation Study	Thirteenth Global Conference on Flexible Systems Management 13-15, December, IIT-Delhi		680-688	2013		
Wasif Ullah Khan, Mohammed Ali	Performance study of RFEMS under Stochastic Environment	National Conference on Mechanical Engineering: Ideas, Innovations and Initiatives 16-17, April, Department of Mechanical Engineering, A.M.U., Aligarh		1-7	2016		
Shahnawaz Mohsin, Imtiaz Ali Khan, Mohammed Ali	Ergonomic Evaluation of a CNC Lathe Environment Using Energy Expenditure Prediction Program	National Conference on Mechanical Engineering: Ideas, Innovations and Initiatives 16-17, April, Department of Mechanical Engineering, A.M.U., Aligarh		8-17	2016		
Mohd. Shaaban Hussain, Mohammed Ali	Sustainability in Manufacturing Systems Operations	National Conference on Mechanical Engineering: Ideas, Innovations and Initiatives 16-17, April, Department of Mechanical Engineering, A.M.U., Aligarh		32-36	2016		

Shafi Ahmad, Mohammed Ali,	Integrated CAD/CAM System for Manufacturi ng of Complex Components	National Conference on Mechanical Engineering: Ideas, Innovations and Initiatives  16-17, April, Department of Mechanical Engineering, A.M.U., Aligarh		201- 205	2016		
Mohammed Ali	Decision and Information based Performance Evaluation of Flexible Systems	National Conference on Industrial Engineering and Technology Management  29-31, October, NITIE and IIE, Mumbai.			2014		
Bano, F., Mallick, Z., and Khan, A.A.,	The effect of grip force, stroke rotation and frequency on discomfort for torquing task	WORK: A Journal of Prevention, Assessment & Rehabilitation (IOS Press)	53 (4), 691- 708.		2016		
Bano, F., Mallick, Z., and Khan, A.A.	Optimization of the levels of grip force, stroke rotation, frequency and grip span for a torquing task	International Journal of Occupational Safety and Ergonomics (JOSE)	21(4) 94-104.		2015		
Farooq. M., and Khan, A.A.,	Effect of Shoulder rotation combined with elbow flexion on discomfort and EMG activity of ECRB muscle	International Journal of Industrial Ergonomics (Elsevier, UK)	44 (6), 882– 889.		2014		

Singh, J., and Khan, A.A.	Effect of coating over the handle of a drill machine on vibration transmissibility	Applied Ergonomics (Elsevier)	- 45, 239-246		2014		
Farooq, M., Khan, A.A., and Muzammil, M.	Effects Upper Limb Postures on Self-Paced Cycle Time (SPCT)	Indian Journal of Biological Sciences	19:10-16 (ISSN No. 0972-8503).		2013		
Raghav, G., Farooq, M., Khan, A.A., and Muzammil, M.	Ergonomic evaluation of the wood cutting task using Chainsaw	Journal of Environmental Science and Engineering, NEERI (India)	55(4), 498-516.		2013		
Khan, A.A., Khan, Z., and Mukarram, M.	Effect of elbow flexion on grip strength in Vertical and Horizontal directions	, Journal of Human Ergology (Japan),	42, 13-22.		2013		
Bano, F., Mallick, Z., and Khan, A.A.,	EMG Investigation s Regarding Handle Size, Grip Force and Stroke Rotation in Screw Driving	International Journal of Ergonomics (IJEG),	Volume (4): Issue (1): 1-14.		2013		
A Husain, AA Khan, F Hasan,	Ergonomic evaluation of effects of handle shape and task orientation on human performance in screw driving task	International Journal of Advancements in Technology	4 (1), 105-114.		2013		
Ahmed, S.S., Khan, A.A., and Farooq, O.,	Evaluation of voluntary bite force in	Inter. Conf. on Emerging Trends	AMU, March6-8, 2016		2016		

	North Indian Population	in Biomedical Sciences					
Khan A.A.,	Lead Lecture: Control Strategies for Lower Limb Rehabilitation and Future Scope: A Review	Caring for People, International Ergonomics Conference HWWE2015, IIT Pawoi, Mumbai			2015		
Khan A.A	Lead Lecture: Electromyography Applications for User Centered Design in Occupational Tasks and Prosthetics; User centered design and occupational wellbeing,	HWWE2014, Editor: D. Chakrabarti, McGrawHill			2014		
Bhardwaj, S., and Khan, A.A.,	Electromyography consideration in hand router handle design; User centered design and occupational wellbeing,	HWWE2014, Editor: D. Chakrabarti, McGrawHill			2014		
Bano, F., Farooq, M., Khan, A.A., and Muzammil, M.,	Muscular discomfort due to Handle orientation of bicycle Ergometer	ICAME-2014, Al-Falah School of Engineering & Technology, Faridabad			2014		
Bhardawaj, S. and Khan, A.A.,	Psychophysical factors in wood routing tasks,	ICAME-2014, Al-Falah School of Engineering &			2014		

		Technology, Faridabad.					
Bhardwaj, S., Khan, A.A., Farooq, O.,	Ergonomic assessment of wood routing task,	BEATS-2014, University of Punjab, Chandigarh.			2014		
Chaudhary, N., Khan, A.A., Bano, F.,	EMG control of upper- limb prostheses - A review,	BEATS-2014, University of Punjab, Chandigarh.			2014		
Siddiqui, M., Farooq, O., Khan, A. A., Khan, Y. U.,	Statistical features for muscle fatigue detection using surface electromyog raphy (EMG),	BEATS-2014, University of Punjab, Chandigarh.			2014		
Bano, F., Mallick, Z., and Khan, A.A.,	EMG of forearm muscles in torqueing task with respect to grip force, stroke rotation and frequency	HWWE 2013, Ergonomics and Rural Development, URI: <a href="http://hdl.handle.net/123456789/1">http://hdl.handle.net/123456789/1</a> 132, ISBN: 9789351749059.					
Abbass, B, Pafrooq, O., Uzzaman, Y., Khan, A.A., Vyas, A.L.,	Enhancing Classification Accuracy of Wrist Movement by Denoising sEMG signals.	Proceedings of 35th Annual International Conference of the IEEE EMBS, Osaka, Japan, 3 - 7 July, 2013, 5762-5764.			2013		
Bano, F., Mallick, Z., and Khan, A.A., 2013,	The Effect of Stroke Rotation and Frequency of Exertion on Discomfort in Gripping Task,	International Conference on Automation and Mechanical Systems, March 21 and 22, 2013, Lingaya's University, Faridabad India			2013		

Husain, A., Khan, A.A., Hasan, F.	EMG activities in screw driving regarding handle shape and work surface orientation	International conference TMU, Moradabad.			2013		
Bano, F., Mallick, Z., and Khan, A.A.,	The effect of self pace cycle time for combinations of grip force and stroke rotation,	International conference TMU, Moradabad.			2013		
Farooq, O., Khan, Y.U., Khan, A.A., Abbas, B.	A computer assisted method of discriminating wrist movements in surface EMG,	International conference TMU, Moradabad.			2013		
M Sarim, MN Alam	Effect of Piezoelectric Layer on Beam Parameters using Zigzag Theory	AMAE International Journal on Manufacturing and Material Science	3		2013		
M Furqan, MN Alam	Modeling and Analysis of Laminated Composite Beams using Higher Order Theory	AMAE International Journal on Manufacturing and Material Science	3		2013		1
Najeeb ur Rahman, M. Naushad Alam	Finite element modeling for buckling analysis of hybrid piezoelectric beam under electromechanical loads	Latin American Journal of Solids and Structures	11	770-789	2014	SCIE	1
M. Anas, M.N.Alam	Dynamic response	IJETR	2	77-82	2014		

	comparison for symmetric beams using 3-noded and 2-noded beam element						
Najeeb ur Rahman, M. Naushad Alam	Structural Control of Piezoelectric Laminated Beams under Thermal Load	Journal of Thermal Stresses, 38: 69–95, 2015	38	69-95	2015	SCIE	
M. Naushad Alam, Adnan Akhlaq and Najeeb ur Rahman	Dynamic analysis and vibration control of a multi-body system using MSC Adams	Latin American Journal of Solids and Structures	12	1505 - 1524	2015	SCIE	1
Ateeb Ahmad Khan, M. Naushad Alam, Najeeb ur Rahman and Mustafa Wajid	Finite element modelling for static and free vibration response of functionally graded beam	Latin American Journal of Solids and Structures	13(4)	690-714	2016	SCIE	1
M Furqan, MN Alam	Finite element analysis of a stewart platform using flexible joint	Proc. Of iNaCoMM2013, IIT Roorke		1044 - 1049	2013		
Najeeb ur Rahman, M. Naushad Alam,	Effect of Thickness of Piezoelectric Layer on Dynamic Parameters of a Laminated Composite Beam	Proceedings of the International Mechanical Engineering Congress (IMEC), NIT-Trichy.		319-323	June 13-15, 2014		
Mohd Atif Jamil, Najeeb	Relative function of	Proceedings of the International		354-357	June 13-		

ur Rahman, M. Naushad Alam	Piezoelectric Patches as Exciter/Actuator for Active Vibration Control: An Experimental Study	Mechanical Engineering Congress (IMEC), NIT-Trichy.			15, 2014		
Mohd Junaid, M. Naushad Alam, and Najeeb-ur-Rahman	Finite element modelling and analysis of shallow composite shell	Proceedings of the International Mechanical Engineering Congress (IMEC), NIT-Trichy.		533-536	June 13-15, 2014		
Mohd Junaid, M. Naushad Alam, Najeeb-ur-Rahman and Mohd. Atif Jameel	Dynamic analysis of shallow composite cylindrical shell	ICAME-2014, Department of Mechanical Engineering, Al-Falah University, Dhauj, Faridabad.			7-8 August, 2014		
Mohd. Atif Jameel, Najeeb-ur-Rahman, M. Naushad Alam, and Mohd Junaid	Vibration Analysis and Signal Processing based on Virtual Instrumentation using LabVIEW	International Conference on Advancements in Mechanical Engineering ICAME-2014, Department of Mechanical Engineering, Al-Falah University, Dhauj, Faridabad			7-8 August, 2014.		
Ateeb Ahmad Khan, M. Naushad Alam and Najeeb ur Rahman	Modelling and Analysis of Functionally Graded Beam	Poster presentation in National Conference on Hydrocarbon, Energy and Environment HEEcon- 2015, Department of Petroleum Studies, Aligarh Muslim University, Aligarh			April 25, 2015		
M. Jamil Ahmad et al.	Optimum insulation thickness for building	International Journal of Research in Engineering and Technology	4	214-218	2015		Nil



	envelope: A Review						
Basharat Jamil, M. Jamil Ahmad	Comparison of energy reduction potential of an adobe house under different climatic conditions in india	13th International Conference on Clean Energy (ICCE-2014) 8-12 May			2014		
M. Jamil Ahmad	Estimation of global solar radiation in India	National Conference on Nanotechnology and Renewable Energy	Jamia Millia Islamia, New Delhi	28-29 April	2014		
Shah Shahood Alam	Effect of Ambient Temperature and Composition on Liquid Droplet Combustion	Intl. Journal of Engineering Research and Applications	4	18-29	2014		
Shah Shahood Alam	Effect of Ambient Pressure and Droplet Size on Droplet Vaporisation and Combustion	Intl. Journal of of Scientific and Engineering Research	5	1090 - 1106	2014		
Shah Shahood Alam et. al	Fundamental Aspects of Droplet Combustion Modelling	Intl. Journal of Engineering Research and Applications	4	10-26	2014		
Shah Shahood Alam et. al	Single and Multicomponent Droplet Models for Spray Applications	American Journal of Energy Engineering	2	108-126	2014		

Shah Shahood Alam	Burning Behaviour of Liquid Fuel Droplets	Intl. Journal of Engineering Research and Applications	5	43-54	2015		
A. Balabel, M. Faizan, A Muttalib	Effect of Extreme Environmental Conditions on the Pavement Performance in Saudi Arabia	Wulfenia Journal	22 (10)	303-311	2015	Thomson Reuters	
M. Faizan	Dissolution of Copper and formation of IMC in bulk lead-free solders, ,	Materials and Manufacturing Processes	30	169 – 174	2015	Thomson Reuters	1
M. Faizan	Dissolution Kinetics of Copper in Lead-Free Liquid Solders	Soldering & Surface Mount Technology	27 (2)	84-89	2015	Thomson Reuters	1
M. Faizan	Effect of Intermetallic Phase Morphology on Substrate Dissolution during Reflow Soldering	International Journal of Mechanical Engineering and Computer Applications	2 (2)	28-32	2014		
M. Faizan	On the Mathematical Modelling of Copper Dissolution and IMC Growth in Liquid Solder	International journal of Mechanical Engineering	3 (2)	17-26	2014		
M. Faizan	Parametric Analysis of Environmental and Physiological Parameters on Comfort	International Journal of Scientific & Engineering Research	5 (10)	386-392	2014		

	Air-Conditioning						
Farooque, P; Suhail, A, and Faisal, N.	A grey-based model for uncertainties and performance in automotive supply chains	Intl J of Industrial and Systems Engineering	Forthcoming 24(4)		2016	Scopus (Elsevier) Compendex [formerly Ei] (Elsevier) Academic OneFile (Gale) Expanded Academic ASAP (Gale) Business Collection (Gale)	----
Farooque, P; Suhail, A, and Faisal, N.	Uncertainty assessment in automotive supply chains	J of Supply Chain Management Systems	3(4)		2014	Business Source Complete, Ulrich's Web, Cabell's Directory of Publishing Opportunities	-----
Adnan Hafiz et al	Energetic and exergetic analysis of some models of vapour absorption chillers using LiBr and water	Journal of Basic and Applied Engineering Research	2	326-329	2015		Nil
Adnan Hafiz et al	Thermodynamic analysis of vapour absorption heat transformer	The Indian Journal of Technical Education	39	47-52	2016		Nil
VSN Kumar Ranjit, BP Patel, AH Khan	<u>On Analytical Modeling of Impact on Laminated Composite Panels</u>	Journal of Proc Indian National Science Academy	79 (4,A)	763-771	2013	SCI(E)	

AH Khan, BP Patel	<u>Nonlinear forced vibration response of bimodular laminated composite plates</u>	Composite Structures	108	524-537	2014	SCI(E)	12
AH Khan, BP Patel	<u>Periodic response of bimodular laminated composite cylindrical panels with and without geometric nonlinearity</u>	International Journal of Non-Linear Mechanics	67	209-217	2014	SCI	02
AH Khan, BP Patel	<u>On the nonlinear dynamics of bimodular laminated composite conical panels</u>	Nonlinear Dynamics,	79 (2)	1495 - 1509	2015	SCI	01
AH Khan, BP Patel	<u>Periodic Response of Bimodular Angle-ply Composite Plates under Harmonic Excitation</u>	Proceedings of Indian Conference on Applied Mechanics (INCAM),	-	pp. 1-5	2013	-	
Arshad H. Khan	On the Stability of Periodic Response of Bimodular Laminated Composite Plate	International Conference on Recent Trends in Engineering and Materials Science (ICEMS-2016), JNU Jaipur India	ID 2-IC-712		2016		
Ahmad Saood, Arshad H. Khan & Ahmad A Khan	Steady State Periodic Response of Laminated Composite Plates with/without Geometric Nonlinearity	International Conference on Recent Trends in Engineering and Materials Science (ICEMS-2016), JNU Jaipur India	ID 2-IC-703		2016		

Jain, S., Niranjan, N., Hasan, F., Kumar, A	An Integrated Reverse Engineering and rapid prototyping approach towards reconstruction of damaged impeller	International Journal of Industrial and Systems Engineering	23(4)	393-404	2016	Scopus, Scholar	
Hasan, F., Jain, P.K.	A Neural Network Based Approach for Part Family Classification for a Reconfigurable Manufacturing System	International Journal of Operational Research	25(2)	143-167	2016	Scopus, Scholar	1
Hasan, F., Jain, P.K. and Kumar, D.	Scalability of reconfigurable manufacturing systems based on bowl phenomenon: an implication of modular machines	International Journal of Industrial and Systems Engineering	22(1)	73-95	2016	Scopus, Scholar	
Masood, A., Hasan, F.	Product Family Formation based on Multiple Product Similarities for a Reconfigurable Manufacturing System	International Journal of Modeling in Operations Management	5(3/4)	247-265	2015	Scopus, Scholar	1
Mehmood, A., Noor, M.F., Upadhyay, S.,	Part Family Formation using Skip Moves and	International Journal of Modeling in	5 (3/4)	196-208	2015	Scopus, Scholar	

Hasan, F., Masood	Lazy Machines in a Reconfigurable Manufacturing System	Operations Management					
Hasan, F., Jain, P.K.	Genetic Modeling for Selecting Optimal Machine Configurations in Reconfigurable Manufacturing System	Applied Mechanics and Materials	789-790	1229 - 1239	2015	Scholar, Scopus	
Hasan, F., Jain, P.K. and Kumar, D.	Prediction of Machine Reconfigurability using Artificial Neural Network for a Reconfigurable Serial Product Flow Line	International Journal of Industrial and Systems Engineering	18(3)	283-305	2014		
Hasan, F., Jain, P.K., and Kumar, D.	Optimum configuration selection in Reconfigurable Manufacturing System involving Multiple Part Families	OPSEARCH	Vol. 51(2)	297-311.	2014	SCI	9
Hasan, F., Jain, S.	Configuration Selection for Optimal Throughput from a Reconfigurable Manufacturing Line using Genetic Algorithm	XVIII Annual International Conference of the Society of Operations Management			2014	Scholar	2

Hasan, F., Jain, P.K., Dinesh, K.	Performance based optimal machine assignment in Reconfigurable Manufacturing System using genetic algorithm	5 <sup>th</sup> International and 26 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference, AIMTDR-2014			2014	Scholar	2
Afzal Husain, Farhan Ahsan Khan, Noorul Huda Huda, Mohammad O. Hamdan and M. A. Ansari	Split and Recombination Micromixer with Offset Inlets	INTERNATIONAL CONFERENCE on RECENT ADVANCES in MECHANICAL ENGINEERING (RAME), 14th & 15th October, 2016			2016		
Mubashshir Ahmad Ansari, Sung Yang	Segregation of particles on a droplet using surface acoustic waves	KMEMS 2015, Jeju, South Korea		285-286	2015		
G Destgeer, S Im, BH Ha, JH Jung, MA Ansari, HJ Sung	Adjustable, rapidly switching microfluidic gradient generation using focused travelling surface acoustic waves	Applied Physics Letters 104 (2), 023506	104	023506	2014	SCI	28
G Destgeer, BH Ha, JH Jung, MA Ansari, HJ Sung	Submicron separation resolution via focused travelling surface acoustic waves	1st International Conference on MICRO & NANOFUIDICS Fundamentals and Applications Twente, Netherlands, May 18-21			2014		
MA Ansari, CW Park, N Hur, D Kim	Non-aligned bilayer square wave	J. of mechanical Science and Technology	27	3851 - 3859	2013	SCI	

	bend microchannel for mixing,						
G.Destgeer, S.Im, J.H.Jung, H.W.Kang, K.H.Lee, M.A.Ansari, A.Alazzam and H.J.Sung	Particle Separation, Chemical Gradient Control and Micromixing via Focused Travelling Surface Acoustic Waves (F-TSAW)	The 17th International Conference on Miniaturized Systems for Chemistry and Life Sciences (microTAS 2013), Freiburg, Germany, October 27-31, 2013			2013		
G.Destgeer, B.H.Ha, J.H.Jung, M.A.Ansari and H.J.Sung	"Microfluidic Gradient Generation via Focused Travelling Surface Acoustic Waves (F-TSAW)	The Symposium of The Korean Society of Visualization, November 29, 2013, Jinju, Korea			2013		
MA Ansari, KY Kim, K Anwar, SM Kim	Vortex micro T-mixers,	Chemical Engineering Journal	181	846-850	2012	SCI	
MA Ansari, KY Kim	Numerical study of the effect on mixing of the position of fluid stream interfaces in a rectangular microchannel	Microsystem Technologies	16	1757 - 1763	2010	SCI	13
MA Ansari, KY Kim, K Anwar, SM Kim	A novel passive micromixer based on unbalanced split and collisions of fluid streams, 055007	J. of Micromechanics and Microengineering	20	055007	2010	SCI	76



MA Ansari, KY Kim	Mixing performance of unbalanced split and recombine micromixers with circular and rhombic sub-channels, 760-767	Chemical Engineering Journal	162	760-767	2010	SCI	25
S Hossain, MA Ansari, A Husain, KY Kim	Analysis and optimization of a micromixer with a Modified Tesla structure	Chemical Engineering Journal	158	305-314	2010	SCI	28
MA Ansari, KY Kim	A numerical study of mixing and flow field in microchannel with circular mixing chambers,	AIChE	55	2217 - 2225	2009	SCI	
S Hossain, MA Ansari, KY Kim	Evaluation of the mixing performance of three passive micromixers	Chemical Engineering Journal	150	492-501	2009	SCI	74
MA Ansari, KY Kim	Parametric study on mixing of two fluids in a three-dimensional Serpentine Microchannel,	Chemical Engineering Journal	146	439-448	2009	SCI	48
MA Ansari, KY Kim	Evaluation of surrogate models for optimization	J. of mechanical Science and Technology	22	387-396	2008	SCI	2

	of herringbone groove micromixer						
MA Ansari, KY Kim	Shape optimization of a micromixer with staggered herringbone groove,	Chemical Engineering Science	62	6687 - 6695	2007	SCI	75
MA Ansari	Application of the Radial Basis Neural Network to Optimization of a Micromixer,	Chemical Engineering Technology	30	962-966	2007	SCI	17
MA Ansari	Shape optimization of A micromixer with herringbone grooves using Krigging Model	KSME-B	31	711-717	2007		1
Saleem Anwar Khan, Mohammad Rafiq Saifi, Md. Samiullah Ansari, Altaf Hussain and Md. Aarif Hussain Siddiqui	Qualitative comparison of Experimental result with Numeical Simulation of Flow past a Circular Cylinder	International Journal of Mechanical Engineering & Research	Vol. 3, Number 6 ISSN:22 49-0019	671-676	2013		0
Md. Abu Shahzer & Saleem Anwar Khan	Effect of Buoyancy on Mixing of Non-Isothermal Interacting Jets in CIJRs	International Conference on Mechanical & Industrial Engineering, Pune, India	ISBN: 978-93-81693-78-2	1-7	2013		0
Khanam, S., Dutt, J. K., and Tandon, N.	Extracting Rolling Element Bearing	ASME Journal of Vibration and Acoustics	136	0310 08-1-11.	2014		11

	Faults from Noisy Vibration Signal Using Kalman Filter						
Khanam, S., Tandon, N., and Dutt, J. K.	Fault Size Estimation in the Outer Race of Ball Bearing Using Discrete Wavelet Transform of the Vibration Signal	Procedia Technology	14	12-19	2014		14
Khanam, S., Tandon, N., and Dutt, J. K.,	A System Dynamic Approach to Bearing Fault Identification with the Application of Kalman and $H_{\infty}$ Filters	Journal of Vibration and Control	22(13)	3032 - 3056	2016		1
Khanam, S., Dutt, J. K., and Tandon, N.	Impact Force Based Model for Bearing Fault Identification	ASME Journal of Vibration and Acoustics	137	0510-02-1-13	2015		7
Khanam, S., Tandon, N., and Dutt, J. K.	Multi-Event Excitation Force Model for Inner Race Defect in a Rolling Element Bearing	ASME Journal of Tribology	138	0110-6-1-15	2016		2
Khanam, S., Tandon, N., and Dutt, J. K.	Fault Identification of Rolling Element Bearings from Vibration Signals: An Application of Kalman	Proceedings of 10 <sup>th</sup> International Conference on Vibrations in Rotating Machinery (VIRM10), IMechE, London		703-713	2012		6

	and $H_{\infty}$ Filters						
Khanam, S., Tandon, N., and Dutt, J. K	Fault Size Estimation in the Outer Race of Ball Bearing Using Discrete Wavelet Transform of the Vibration Signal	2 <sup>nd</sup> International Conference on Innovations in Automation and Mechatronics Engineering (ICIAME-2014), Vallabh Vidyanagar, India		13	2014		14
Khanam, S., Tandon, N., and Dutt, J. K	Force Analysis due to Local Defect in Rolling Bearings for Fault Diagnosis	9 <sup>th</sup> IFToMM International Conference on Rotor Dynamics, Italy  Mechanisms and Machine Science	21	577-586	2014		1
Gautam, S., Tandon, N., and Khanam, S.	Defect Detection Methods for Gears: A Review	2 <sup>nd</sup> International and 17 <sup>th</sup> National Conference on Machines and Mechanisms (iNaCoMM15-183), IIT Kanpur, India		1-8	2015		0
Khanam, S., Tandon, N., and Dutt, J. K.	A Review of Vibration Modeling of Ball Bearings with Local Defect	International Conference on Condition Monitoring ICCM-2016, India		215-222	2016		0
Faisal, M.N. and Talib, F.	Implementing traceability in Indian food supply chains: an interpretive structural modeling approach	Journal of Foodservice Business Research (JFBR)	19(2)	171-196	2016	Scopus	02
Faisal, M.N. and Talib, F.	E-government to m-government: a study in a developing economy	International Journal of Mobile Communications (IJMC)	14(6)	568-592	2016	Scopus	

Khanam, S, Siddiqui, J. and Talib, F.	A DEMATEL approach for prioritizing the TQM enablers and IT resources in the Indian ICT industry	International Journal of Applied Management Sciences and Engineering (IJAMSE)	3(1)	11-29	2016	<u>Cabell's Directories</u>	
Khanam, S. and Talib, F.	Study of TQM enablers and IT resources in Indian ICT organizations	Proceedings of National Conference on Mechanical Engineering – Ideas, Innovations & Initiatives (NCMEI3-2016)-MED, AMU	April 16-17	18-26	2016		
Khan, H., Talib, F. and Faisal, M.N.	An Analysis of the Barriers to the Proliferation of M-Commerce in Qatar: A Relationship Modeling Approach	Journal of Systems and Information Technology (JSIT)	17(1)	54-81	2015	Scopus	06
Talib, F. and Rahman, Z.	Identification and prioritization of barriers to total quality management implementation in service industry: an analytic hierarchy process approach	The TQM Journal	27(5)	591-615	2015	Scopus	03
Talib, F. and Rahman, Z.	An interpretive structural modeling for sustainable healthcare quality dimensions	International Journal of Qualitative Research in Services (IJQRS)	2(1)	28-46	2015	Google Scholar	01

	in hospital services						
Khanam, S, Siddiqui, J. and Talib, F.	Modeling the TQM enablers and IT resources in the ICT industry: An ISM-MICMAC approach	International Journal of Information Systems and Management (IJISAM)	1(3)	195-218	2015	ACM Digital Library	01
Talib, F. and Rahman, Z.	“An interpretive structural modeling for sustainable healthcare quality dimensions in hospital services	International Journal of Qualitative Research in Services (IJQRS)	2(1)	28-46	2015	<u>Cabell's Directories</u>	
Talib, F., Azam, M and Rahman, Z.	Service Quality in Healthcare Establishments: A Literature Review	International Journal of Behavioural and Healthcare Research (IJBHR)	5(1&2)	1-24	2015	Academic OneFile (Gale)	
Azam, M., Qureshi, M.N. and Talib, F.	AHP Model For Identifying Best Health Care Establishment	International Journal of Productivity Management and Assessment Technologies (IJPMAT)	3(2)	34-66	2015	<u>ACM Digital Library</u>	
Khanam, S, Talib, F. and Siddiqui, J.	Identification of TQM Enablers and IT Resources for ICT Industry: A Pareto Analysis Approach	International Journal of Information Quality (IJIQ)	4(1)	18-41	2015	Scopus	
Khanam, S., Siddiqui, J. and Talib, F.	An Empirical Assessment of Awareness Levels of IT for TQM in ICT: An	Proceedings of 2nd International Conference on Research and Business Sustainability (ICRBS-2015)	December 4-6	720-725	2015		

	Indian Case Study						
Khanam, S., Siddiqui, J. and Talib, F.	Prioritising the TQM Enablers and IT Resources in the ICT Industry: An AHP Approach	Proceedings of 17th International Conference on Information Technology, Systems and Management (ICITSM-2015), and published in the International Journal of Social, Behavioral, Educational, Economic and Management Engineering (IJSBEEME)-Berlin, Germany	May 21-22,	1668 - 1675	2015		
Khanam, S., Talib, F. and Siddiqui, J.	A Review of TQM and IT Research in the ICT Industry: An Agenda for Future	International Journal of Information and Computer Science (IJICS)	3(1)	64-84	2014	Copernicus International	05
Talib, F. and Rahman, Z.	Identification and adoption of total quality management practices in Indian information and communication technology and banking industries: an empirical study	Proceedings of 3rd International Conference on Sustainability and Management Strategy (ICSMS-2014)-IMT-Nagpur	March 21-22		2014		02
Khanam, S., Siddiqui, J. and Talib, F.	Assessing the awareness of total quality management and information technology	Proceedings of 18 <sup>th</sup> Annual International Conference of the Society of Operations Management (SOM-2014)-IITR	December 12-14	834-839	2014		02

	in the Indian information and communication technology industry: An empirical analysis						
Khanam, S., Siddiqui, J. and Talib, F.	A Theoretical Model on Total Quality Management Enablers and Information Technology Resources for the Information and Communication Technology Industry	Proceedings of International Conference on Research and Sustainable Business (ICRSB-2014)-IITR	March 08-09	831-843	2014		02
Talib, F. and Rahman, Z.	An Empirical Investigation of TQM Barriers in Indian ICT and Banking Industries	Proceedings of 18 <sup>th</sup> Annual International Conference of the Society of Operations Management (SOM-2014)-IITR	December 12-14	251-262	2014		
Khanam, S., Siddiqui, J. and Talib, F.	Identification and ranking of TQM enablers and IT resources in the Indian ICT industry	Published in the abstracts, National Conference on Recent Innovations & Advancements in Information Technology (RIAIT-2014)-Rajouri, Jammu & Kashmir	November 26-27	-	2014		
Talib, F., Rahman, Z. and Qureshi, M.N.	An empirical investigation of relationship between total quality	International Journal of Quality and Reliability Management (IJQRM)	30(3)	280-318	2013	Scopus	56



	management practices and quality performance in Indian service companies						
Talib, F.	An overview of total quality management: understanding the fundamentals in service organization	International Journal of Advanced Quality Management (IJAQM)	1(1)	1-20	2013		19
Talib, F., Rahman, Z. and Akhtar, A	An instrument for measuring the key practices of total quality management in ICT industry: an empirical study in India	Services Business Journal	7(2)	275-306	2013	Scopus	19
Khanam, S, Siddiqui, J. and Talib, F.	Role of Information Technology in Total Quality Management: A Literature Review	International Journal of Advanced Research in Computer Engineering and Technology (IJARCET)	2(8)	2433 - 2445	2013	Copernicus International	15
Talib, F., Rahman, Z. and Qureshi, M.N.	Survey on the usage of total quality management tools and techniques in Indian service industries: an empirical analysis	International Journal of Quality and Innovation (IJQI)	2(2)	105-119	2013	Academic OneFile (Gale)	05

Talib, F., and Rahman, Z.	“Current health of Indian healthcare and hospitality industries: a demographic study	International Journal of Business Research and Development (IJBRD)	2(1)	1-17	2013		03
Khanam, S, Siddiqui, J. and Talib, F.	Identificatio n of Total Quality Managemen t Enablers and Information Technology Resources in the Information and Communicat ion Technology Industry	Proceedings of International Conference on Smart Technologies for Mechanical Engineering (STME-2013)-DTU	October 25-26	558-567	2013		01
Khanam, S, Siddiqui, J. and Talib, F.	Role of Information Technology in Total Quality Managemen t: A Literature Review	International Journal of Advanced Research in Computer Engineering and Technology (IJARCET)	2(8)	2433 - 2445	2013	Copernicus International	15
Talib, F., Rahman, Z. and Qureshi, M.N.	Survey on the usage of total quality managemen t tools and techniques in Indian service industries: an empirical analysis	International Journal of Quality and Innovation (IJQI)	2(2)	105–119	2013	Academic OneFile (Gale)	05
Khanam, S., Talib, F. and Siddiqui, J.	A Review of TQM and IT Research in the ICT Industry: An	International Journal of Information and Computer Science (IJICS)	3(1)	64-84	2014	Copernicus International	05

	Agenda for Future						
Talib, F., and Rahman, Z.	"Current health of Indian healthcare and hospitality industries: a demographic study	International Journal of Business Research and Development (IJBRD)	2(1)	1-17	2013		03
Talib, F. and Rahman, Z.	Identification and prioritization of barriers to total quality management implementation in service industry: an analytic hierarchy process approach	The TQM Journal	27(5)	591-615	2015	Scopus	03
Khan, H., Talib, F. and Faisal, M.N.	An Analysis of the Barriers to the Proliferation of M-Commerce in Qatar: A Relationship Modeling Approach	Journal of Systems and Information Technology (JSIT)	17(1)	54-81	2015	Scopus	06
N. Hasan and Rashid Ali	Vortex-shedding suppression in two-dimensional mixed convective flows past circular and square cylinders	Physics of fluids	Vol. 25 (053603)	pp 1-27	2013		2
Sajid Ali and Rashid Ali	Modeling the effect of internal convection	International Journal of Innovative Research in	Vol. 2	pp 1106 - 1113	2013		

	currents on heat transfer coefficient of liquid foods	Science Engineering and Technology (IJIRSET)					
Rashid Ali and Syed Aley Haider	Mixed convective flow past a square cylinder with variable Prandtl number	NCMEI3-2016			2016		
Ateeb Ahmad Khan, M. NaushadAlam, Najeeb-ur Rahman	“Finite Element Modelling for Static and Free Vibration Response of Functionally Graded Beam	Latin American Journal of Solids and Structures	13	690-714	2016		1
Arshad Mehmood, Ahmad Ali Khan, Ateeb Ahmad Khan	“Vibration Analysis of Damping Suspension Using Car Models	International Journal of Innovation and Scientific Research	9	202-211	2014		
Sameen Mustafa, Ateeb Ahmad Khan	Design of Gear Train for Speed Magnification using the Cumulative Effect of Compound Sun-Planet Gear Train	International Conference on Recent Advances in Mechanical Engineering (RAME- 2016)		461-464	2016		
Ateeb Ahmad Khan, Najeeb-ur-Rahman	Modelling and Analysis of Functionally Graded Beam	HEEcon, Department of Petroleum Studies, AMU, Aligarh			2015		
S. Rehman	Sensors Based Measurement Techniques of Fuel Injection and	<u>Alexandria Engineering Journal</u>	Volume 55, Issue-3	2391 – 2403	2016	Engineering Information Services (EIS) and the Chemical Abstracts (CA)	--

	Ignition Characteristics of Diesel Sprays in DI Combustion System						
Mahir H. Salmani, S. Rehman, K. Zaidi, Ahmad K. Hasan	Study of ignition characteristics of microemulsion of coconut oil under off diesel engine conditions	Engineering Science and Technology, an International Journal	18	318-324	2015	EBSCOhost  Academic Search (EBSCO)  Academic Search Premier (EBSCO)	03
Rehman, S. and Zaidi, K	Design and Fabrication of the High Pressure Effervescent Spray Combustion System	International Journal of Advance Research and Innovations	vol-1	72-77	2014	Google scholar, DRJI, ISI, ASI	01
Rehman, S. and Zaidi, K., and Husain, M.	Development of Four Stroke Four Cylinder HSDI Diesel Engine Test Bed	International Journal of Innovative Research in Science, Engineering and Technology	vol-2, Issue-10	5434 - 5443	2013		
Husain, M., and Zaidi, K., and Rehman, S.	Effect of Varying Injection Pressure on Ignition Delay Characteristics of Bio diesel	International Journal of Engineering and Mathematical Sciences	Vol. 3, Issue-1	11-17	2013		
Rehman, S. and Zaidi, K.	Study of Ignition Delay of Certain Blended	International Journal of Science and Technology (S & T Review)	Vol-1, No-2	65-76	2012		

	Petroleum Fuel Sprays in a Cylindrical Combustion Chamber						
Rehman, S. and Zaidi, K.	Study of Ignition Delay of Kerosene Blended Diesel Fuel Sprays in Cylindrical Combustion Chamber	International Journal of Science and Technology (IJST)	VOL-2, Issue-4		2012		
S Kapuria, M Patni, MY Yasin	A quadrilateral shallow shell element based on the third-order theory for functionally graded plates and shells and the inaccuracy of rule of mixtures	European Journal of Mechanics-A/Solids	49	268-282	2015	Yes	7
S Kapuria, MY Yasin	Active vibration control of smart plates using directional actuation and sensing capability of piezoelectric composites	Acta Mechanica	224	1185 - 1199	2013	Yes	10
S Kapuria, MY Yasin	A nonlinear efficient layerwise finite element	Smart Materials and Structures	22	0550 21	2013	Yes	9

	model for smart piezolaminated composites under strong applied electric field						
MY Yasin, S Kapuria	An efficient finite element with layerwise mechanics for smart piezoelectric composite and sandwich shallow shells	Computational Mechanics	53	101-124	2014	Yes	6
S Kapuria, MY Yasin, P Hagedorn	Active vibration control of piezolaminated composite plates considering strong electric field nonlinearity	AIAA Journal	53	603-616	2014	Yes	2
MY Yasin, S Kapuria	Influence of piezoelectric nonlinearity on active vibration suppression of smart laminated shells using strong field actuation	Journal of Vibration and Control,  Doi: 1077546316645220			2016	Yes	0
S Kapuria, MY Yasin	Coupled efficient layerwise finite element modeling for active vibration	Journal of Intelligent Material Systems and Structures, 1045389X13517149	25	2013 - 2036	2014	Yes	0

	control of smart composite and sandwich shallow shells						
MY Yasin, S Kapuria	Shape control of smart laminated plates using nonlinear piezo-actuators under strong applied electric field	Indian Conference on Applied Mechanics(INCAM )	4-6 July, 2013, IIT Madras.	2013			
MY Yasin, S Kapuria,	Using nonlinearity of piezoelectric materials under strong field actuation for active vibration control of composite shell structures	4th International Conference on Structural Engineering and Construction	Management 13- 16 December, 2013, Kandy, Sri Lanka.	2013			
MY Yasin, S Kapuria	Active vibration suppression of smart laminated shells using clipped optimal	4th Asian Conference on Mechanics of Functional Materials and Structures	control 10-13 October , 2014, Nara, Japan, accepted	2014			
M Patni, S Kapuria, MY Yasin	Analysis of sandwich FGM plates using a four node quadrilateral element based on third order theory	5th International Congress on Computational Mechanics and Simulation	10-13 December 2014, Chennai , India	2014			



MY Yasin, S Kapuria	Active vibration control of smart piezolaminated composite shell structures using strong field actuation in reversible nonlinearity range	7th International Conference on Smart Materials Structures and Systems	08-10 July, 2014, IISc Bangalore	2014			
M Amir, N Ahmad, MY Yasin, MN Alam	Active vibration suppression of laminated composite beams using LQR controller	National conference on mechanical engineering, ideas, innovations and initiatives	16-16 April, AMU Aligarh	2016			
A Bernasconi, A Jamil, F Moroni, A Pirondi	A study on fatigue crack propagation in thick composite adhesively bonded joints	International Journal of Fatigue	50	18-25	2013		7
A Pirondi, G Giuliese, F Moroni, A Bernasconi, A Jamil	Comparative Study of Cohesive Zone and Virtual Crack Closure Techniques for Three Dimensional Fatigue Debonding	The Journal of Adhesion	90 (56)	457-481	2014		3
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