

## Research Publications

### International Journals

S.No	Authors	Title	Journal [IF] with doi	Published
1	Mohd Talha Khan	Variables of Service Quality Facilitating Client Contentment in Indian Bike Industries	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, DOI: 10.35940/ijitee.E3149.049620	April 2020
2	Abhishek Saxena, Prashant Verma, Ghanshyam Srivastava, NandKishore,	Design and thermal performance evaluation of an air heater with low cost thermal energy storage	Applied Thermal Engineering, Elsevier Volume 167, 25 February 2020, 114768 <a href="https://doi.org/10.1016/j.applthermaleng.2019.114768">https://doi.org/10.1016/j.applthermaleng.2019.114768</a>	Feb. 2020
3	Abhishek Saxena, Nitin Agarwal, E Cuce	Thermal performance evaluation of a solar air heater integrated with helical tubes carrying phase change material	Journal of Energy Storage, Elsevier 30, 101406, 2020 <a href="https://doi.org/10.1016/j.est.2020.101406">https://doi.org/10.1016/j.est.2020.101406</a>	2020
4	Abhishek Saxena, E Cuce, PM Cuce,	Performance analysis of a novel solar desalination system – Part 1: The unit with sensible energy storage and booster reflector without thermal insulation and cooling system	Sustainable Energy Technologies and Assessments 37, 100566-575 , 2020, Elsevier <a href="https://doi.org/10.1016/j.seta.2019.100566">https://doi.org/10.1016/j.seta.2019.100566</a>	2020
5	Nitin Agarwal	Greenhouse gas emissions due to the construction of residential buildings in Moradabad, India	Applied Ecology and Environmental Research, 2019, 17(5), 12111-12126. (Online)DOI: <a href="http://dx.doi.org/10.15666/aeer/1705_1211112126">http://dx.doi.org/10.15666/aeer/1705_1211112126</a>	2019
6	Bhavya Nidhi Vats, Monika Singh	Evaluation of Tribological Properties of Graphene Oxide Dispersed Liquid Paraffin Oil	International conference on Computational & Experimental Methods in Mechanical Engineering, Materials Today Proceedings DOI number (awaited)	2019
7	Monika Singh	Evaluation of tribological properties of graphene oxide dispersed paraffin oil	Materials Today <a href="https://doi.org/10.1016/j.matpr.2019.06.376">https://doi.org/10.1016/j.matpr.2019.06.376</a>	2019
8	Dr.Munish Chhabra Dr.Rupinder Singh	Experimental Investigation for the Hardness of Castings Produced by Using ZCast Process	Transactions of the Indian Institute of Metals, Volume 71, <u>Issue 1</u> , pp 153–166, Print ISSN0972-2815, Online ISSN0975-1645	Jan 2018
9	Dr. Abhishek Saxena <sup>1</sup> Dr.Nitin Agarwal <sup>2</sup>	Performance characteristics of a new hybrid solar cooker with air duct	Solar Energy Volume 159, 1 January 2018, Pages 628-637	Jan 2018
10	Dr. Abhishek Saxena	Solar food processing and cooling methodologies	Advances in solar energy	Jan 2018
11	Prashant Kumar Mr. Shubham Vyas	Experimental comparison of open sun drying and solar drying based on evacuated tube collector.	International journal of sustainable Energy – Taylor & Francis	July 2018
12	Ankit Gupta Mohammad Talha	Static and Stability Characteristics of Geometrically Imperfect FGM Plates Resting on Pasternak Elastic Foundation with Microstructural Defect	Arabian Journal for Science and Engineering September 2018, Volume 43, <u>Issue 9</u> , pp 4931–4947	Sept 2018

13	Bhavya Nidhi Vats, Anuj Gupta, Ganesh Kumar Sharma	Framework the food supply chain network in the present Indian scenario	Advances in Industrial and Production Engineering. Lecture Notes in Mechanical Engineering. Springer DOI <a href="https://doi.org/10.1007/978-981-13-6412-9_44">https://doi.org/10.1007/978-981-13-6412-9_44</a>	2018
14	Ankit Gupta, Mohammad Talha	Free vibration and flexural response of functionally graded plates resting on Winkler–Pasternak elastic foundations using non-polynomial higher order Shear and Normal Deformation Theory	Mechanics of Advanced Materials and Structures, DOI: 10.1080/15376494.2017.1285459. (Taylor & Francis) (I.F. 1.196)	27 Jan 2017
15	Ankit Gupta, Mohammad Talha	Nonlinear flexural and vibration response of geometrically imperfect gradient plates using hyperbolic higher-order shear and normal deformation theory.	Composites Part B Engineering, 123: 241-261 (2016); <a href="http://dx.doi.org/10.1016/j.compositesb.2017.05.010">http://dx.doi.org/10.1016/j.compositesb.2017.05.010</a> . (Elsevier)(I.F. 4.727)	Aug 2017
16	Ankit Gupta, Mohammad Talha	Influence of porosity on the flexural and free vibration responses of functionally graded plates in thermal environment	International Journal of Structural Stability and Dynamics, 18(1) (2018) 1850013 DOI: <a href="http://dx.doi.org/10.1142/S021945541850013X">http://dx.doi.org/10.1142/S021945541850013X</a> (World Scientific Publishing) (I.F.1.617)	May 2017
17	Hassan Bin Nasir, Abhishek Saxena, Nitin Agarwal	Techno-economic analysis of a solar air heater with dimple shaped protrusions on the surface	International journal of current engineering and scientific research (ijcesr) issn (print): 2393-8374, (online): 2394-0697, volume-4, issue-6, 2017	June 2017
18	Mohd Monis, Piyush Saxena, Dr. Nitin Agarwa	Development and experimental analysis of two Stroke double cylinder engine operated by Compressed air	International journal of current engineering and scientific research (ijcesr) issn (print): 2393-8374, (online): 2394-0697, volume-4, issue-5, 2017	May 2017
19	Ankit Gupta, Mohammad Talha	Large amplitude free flexural vibration analysis of finite element modeled FGM plates using new hyperbolic shear and normal deformation theory	Aerospace Science and Technology, 67: 287-308 (2017), <a href="https://doi.org/10.1016/j.ast.2017.04.015">doi.org/10.1016/j.ast.2017.04.015</a> . (Elsevier) (I.F. 2.01)	Aug 2017
20	Dr. Abhishek Saxena	Performance Evaluation of a Solar Cooker with Low Cost Heat Storage Material	International Journal of Sustainable and Green Energy Volume 6, Issue 4, July 2017, Pages: 57-63	July 2017
21	Pravesh Chandra , Amit pandey	Design and Fabrication of Compressed Solar Air Engine	International Research Journal of Engineering and Technology, Volume 4 Issue 5. e-ISSN: 2395 -0056 p-ISSN: 2395-0072	2017
22	Sandeep kumar, Akshay kumar, Aishwarya mudgal	The Effect of Alumina and Titania on the mechanical properties of Epoxy resin	International research journal of Engineering and Technology Volume: 04 Issue: 05   May - 2017 <a href="https://www.irjet.net/archives/V4/i5/IRJET-V4I5706.pdf">https://www.irjet.net/archives/V4/i5/IRJET-V4I5706.pdf</a> -ISSN: 2395 -0056p-ISSN: 2395-0072	May 2017

23	Ankit Gupta, Mohammad Talha	Influence of porosity on the flexural and vibration response of gradient plate using nonpolynomial higher-order shear and normal deformation theory	International journal of mechanics and materials in design (2017). doi:10.1007/s10999-017- 9369-2 (Springer) (I.F. 2.16)	2017
24	Ankit Gupta, Mohammad Talha	An assessment of a non-polynomial based higher order shear and normal deformation theory for vibration response of gradient plates with initial geometric imperfections.	Composites Part B Engineering, 107: 141-161 (2016); DOI:10.1016/j.compositesb.2016.09.071 . (Elsevier) (I.F. 4.727)	2016
25	Ankit Gupta, M Talha, BN Singh	Vibration characteristics of functionally graded material plate with various boundary constraints using higher order shear deformation theory	Composites Part B: Engineering ((Elsevier)) (DOI:10.1016/j.compositesb.2016.03.006) (Impact Factor=3.242)	2016
26	Ankit Gupta, M Talha	Assessment of Second Order Normal Deformation Plate Theory For Free Vibration Analysis of Functionally Graded Plates With Mixed Boundary Constraints	The International Journal of Acoustics and Vibration (Accepted) (SCI)	2016
27	Ankit Gupta, M Talha	Nonlinear flexural and vibration response based higher order shear and normal deformation theory for vibration response of gradient plates with initial geometric imperfections	Composites Part B: Engineering 107, 141-161, <a href="http://dx.doi.org/10.1016/j.compositesb.2016.09.071">http://dx.doi.org/10.1016/j.compositesb.2016.09.071</a> , (Elsevier) (SCI) Impact factor-3.85)	2016
28	Ankit Gupta, M Talha	A New Trigonometric Higher-Order Shear and Normal Deformation Theory for Functionally Graded Plates	Paper No. IMECE2016-66771, pp. V001T03A010; 8 pages doi:10.1115/IMECE2016-66771	Nov 2016
29	Abhishek Saxena, Navneet Deval	A high rated solar water distillation unit for solar homes	Journal of Engineering Volume 2016, Article ID 7937696, 8 pages <a href="http://dx.doi.org/10.1155/2016/7937696">http://dx.doi.org/10.1155/2016/7937696</a>	2016
30	Medhavi Kamraan, Abhishek Saxena	A comprehensive study on 3D printing technology”	M.I.T., Int. Journal of Mechanical Engineering ISSN 2230-7680	2016
31	Bhavya Nidhi Vats	Solving Transportation Problem using Excel Solver for an Optimal Solution	MIT Journal ISSN 2230-7680	2016
32	Bhavya Nidhi Vats, Pratiksha Saxena	Excel Solver for Deterministic Inventory Model : INSOLVER	Information Systems Design and Intelligent Applications. Advances in Intelligent Systems and Computing, volume 433. Springer DOI <a href="https://doi.org/10.1007/978-81-322-2755-7_20">https://doi.org/10.1007/978-81-322-2755-7_20</a>	2016
33	Pravesh Chandra, sumit Sen and M.K Jain	Evaluating sampling strategies for Rainfall simulation studies	MIT International Journal of Mechanical Engineering,” Volume 4,No.2. ISSN 2230–7680	2016
34	Mohd. Faizan Hasan*, Mohd. Reyaz Ur Rahim†, Arvind Kumar Singh°	Experimental Analysis on Minimum Quantity lubrication on Alloy Steel using Natural Oil-Based Cutting Fluid	MIT International Journal of Mechanical Engineering Vol. 6, No. 1, January 2016, pp. 13-17 13 ISSN 2230-7680	2016.

35	Ankit Gupta, Mohammad Talha	Nonlinear flexural and vibration response of geometrically imperfect gradient plates using hyperbolic higher-order shear and normal deformation theory.	Composites Part B Engineering, 123: 241-261 (2016); <a href="http://dx.doi.org/10.1016/j.compositesb.2017.05.010">http://dx.doi.org/10.1016/j.compositesb.2017.05.010</a> . (Elsevier) (I.F. 4.727)	2016
36	V chaudhari, Ankit Gupta, M Talha	Nonlinear Vibration response of shear deformable functionally graded plate using finite element method	Procedia technology , Vol-23, 201-208 (Elsevier) (DOI:10.1016/j.protcy.2016.03.018) (Impact Factor=0.5)	2016
37	Ankit Gupta, M Talha, VK Chaudhari	Natural frequency of functionally graded plates resting on elastic foundation using finite element method	Procedia Technology , Vol-23, 163 – 170 (Elsevier) (DOI:10.1016/j.protcy.2016.03.013) (Impact Factor=0.5)	2016
38	Ankit Gupta, M Talha	A New hybrid Shear and Normal Deformation Theory for Static and vibration response of Functionally Graded Plates Resting on Elastic Foundations	Mechanics of Advanced Materials and Structures (Accepted) (SCI) (Impact factor- 1.024)	2016
39	O P Sahani, Sachin Kawatra	Effect of different tool materials on Material Removal Rate upon Electro Discharge Machining	MIT International Journal of Mechanical Engineering, Vol. 6, No. 1	2016
40	Sachin Kawatra, O P Sahani	Dynamic Analysis of Reservoir Lock Gate Structures Considering Fluid Structure Interaction	MIT International Journal of Mechanical Engineering, Vol. 6, No. 1	2016
41	O P Sahani, Sachin Kawatra	Parametric Study of Reservoir Lock Gate Structures Considering Fluid Interaction Structure Interaction	MIT International Journal of Mechanical Engineering,	2016
42	Sandeep kumar	Effect of Tio <sub>2</sub> on mechanical and thermal characteristics on Blast furnace slag derived Glass ceramics	MIT International Journal of Mechanical Engineering,	2016
43	Sandeep kumar	Preparation of Glass ceramics from Blast furnace slag	MIT International Journal of Mechanical Engineering,	2016
44	Munish Chhabra	An experimental investigation of rapid castings produced by ZCast direct metal casting process using Taguchi method	International Journal of Materials Engineering Innovation (Inderscience) 2015, Vol.6, No.2/3, pp-108-129 DOI: 10.1504/IJMATEI.2015.072209 (Double-blind peer-reviewed)	Oct 2015
45	Ankit Gupta, M Talha	Recent development in modeling and analysis of functionally graded materials and structures	Progress in Aerospace Sciences 79, 1-14 (Elsevier)(DOI:10.1016/j.paerosci.2015.07.001) (Impact Factor=3.689)	Nov 2015
46	Atul Sharma, Parul Gupta, Dr. R. K. Srivastava	Application of AHP and ANP Methods for Selection of Best Material for an Axle	International Journal of Innovative Research in Science, Engineering and Technology, DOI:10.15680/IJIRSET.2015.0405032, ISSN No.-2319-8753, Vol. 4, Issue 5, May -2015, pp-2894-2901.	2015
47	Mohd Javed, Parul Gupta	Customer Satisfaction and Service Quality in Four Wheeler Automobile Service Industry: A Review",	SSRG International Journal of Mechanical Engineering, SSRG-IJME JIF-1.049), ISSN No.-2348-8360, Volume-2, Issue-9, pp-30-34.	2015
48	Mohd Javed, Parul Gupta	Role of Service Quality and Customer Satisfaction in Four Wheeler Automobile Service Industry: A Review",	IJETT JIF-1.795), DOI: 10.14445/22315381/IJETT-V28P254, ISSN No.-2231-5381, Volume-28, Issue-6, October 2015, pp-287-290.	2015

49	Abhishek Saxena, V. Tirthh, G. Srivastava	Design and thermal performance evaluation of a novel solar air heater	Renewable Energy <a href="https://doi.org/10.1016/j.renene.2014.12.041">https://doi.org/10.1016/j.renene.2014.12.041</a>	2015
50	Abhishek Saxena, Varun, A.A El-Sebaili	A thermodynamic review of solar air heaters	Renewable and Sustainable Energy Reviews <a href="https://doi.org/10.1016/j.rser.2014.11.059">https://doi.org/10.1016/j.rser.2014.11.059</a>	2015
51	Abhishek Saxena, V.Tirthh, N. Agarwal	A review of recent patents on solar air heaters	Recent Patents on Engineering <a href="https://doi.org/10.2174/1872212109666141230231332">https://doi.org/10.2174/1872212109666141230231332</a>	2015
52	Vishall Bhasin, Abhishek Saxena	Performance studies of a hybrid solar heater for water and space heating and lighting	M.I.T., Int. Journal of Mechanical Engineering ISSN 2230-7680	2015
53	Vishall Bhasin, Abhishek Saxena, Niraj Kumar	An Introduction to Sindhu Type Solar Farming	M.I.T., Int. Journal of Mechanical Engineering ISSN 2230-7680	2015
54	Atul Sharma	Lean Manufacturing – “An Approach for Improving Production Efficiency and Customer Response”	MIT International Journal of Mechanical Engineering, Vol. 5, No. 2, August 2015, pp. 110-117 110 ISSN 2230-7680	2015
55	Puneet Kumar Ajay Kumar	Preparation and mechanical properties of stir cast Al-Fe <sub>2</sub> O <sub>3</sub> composite	MIT International Journal of Mechanical Engineering ISSN 2230-7680	August 2015
56	Puneet Kumar	Effect of Processes Parameter on Mechanical Properties in AA2218-Fe <sub>2</sub> O <sub>3</sub> MMCs Processed by Stir Casting	International Journal on Recent Technologies in Mechanical and Electrical <b>ISSN: 2349-7947</b> Engineering" ( <b>IJRMEE</b> ) <b>Volume 2 Issue 6,</b>	June-2015
57	Deepak Singh Munish Chhabra, Vineet Tirth	Optimization of process parameter to enhance the impact strength of squeeze cast brass alloy	MIT International Journal of Mechanical Engineering, Vol 2, No.1, Jan 2015, pp. 31-38.	2015
58	Mohd Talha Khan R.S.Jadoun	Evaluation of Service Quality in Two Wheeler Automobile Industries Using Servqual Model	International Journal of Innovative Research in Science Engineering and Technology, Vol. 4, Issue 5, May 2015, DOI: 10.15680/IJIRSET.2015.0405032, Impact Factor: 5.442	2015
59	Deepak Singh, Aman, Tarang Vardhan Gupta	Effect of Pouring Temperature on Surface Roughness of LM4 Aluminium Alloy using Die Casting Process	MIT INTERNATIONAL JOURNAL	2015
60	R.S.Jadoun Mohd Talha Khan Sakshi Gupta	Achieving Value Optimization for Different Conditions: A Case Study	MIT INTERNATIONAL JOURNAL	2015
61	Mohd Talha Khan Roma Singh Parul Gupta R.S.Jadoun	A Study on Percieved Service Quality in Two Wheeler Industry using SERVQUAL Model	MIT INTERNATIONAL JOURNAL	2015
62	Monika Singh	“Energy Audit and CDM Opportunity in Ajmer”	MIT International Journal of Mechanical Engineering	2015
63	Rakesh Kumar Gangwar, Shubham Sharma	Emission Analysis of Diesel Engine using Biodiesel and Preheated Jatropa Oil	MIT International Journal of Mechanical Engineering, ISSN 2230- 7680 © MIT Publications	2014,

64	Saurabh Sharma, Rohit Singh ,MayankMishra ,GauravKumar Mitra,RakeshKumar Gangwar	Performance and Emission Analysis of Diesel Engine using Biodiesel and Preheated Jatropa Oil	International Journal of Current Research and Academic Reviw ISSN 2347-3215	2014
65	Monika Singh+1	Thermodynamic analysis of vapour compression refrigeration system using alternative refrigerants	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278- 1684,p-ISSN: 2320-334X, Volume 11, Issue 1 Ver. V (Feb. 2014), PP 81-89	2014
66	Monika SIngh	“Energy Audit and CDM Opportunity in Ajmer”	MIT International Journal of Mechanical Engineering. ISSN 2230–7680	2014
67	Arvind Kumar Singh, A.K. Upadhyay, K.K. Shukla	Post-buckling Analysis of FGM Skew Plates with Geometric Imperfection	MIT International Journal of Mechanical Engineering, Vol. 4, No. 1, January 2014, pp. 1–10 1 ISSN 2230-7680 ISSN 2230–7680	2014
68	Abhishek Saxena, V.Tirthh, & G. Srivastava	Design & performance analysis of a solar air heater with high heat storage	Journal of Distributed Generation & Alternative Energy DOI:10.1080/21563306.2014.10823177	2014
69	Niraj Kumar, Varun, S Chauhan	Analysis of tribological performance of biodiesel.	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, DOI: 10.1177/1350650114532452	May 13, 2014
70	Niraj Kumar, Varun, S Chauhan	Evaluation of the effects of engine parameters on performance and emissions of diesel engine operating with biodiesel blend.	International Journal of Ambient Energy, DOI: 10.1080/01430750.2014.907208	May 8, 2014
71	Abhishek Saxena, V.Tirthh, & G. Srivastava	Thermal performance studies of low cost hybrid solar air heater	Int. Journal of Applied Sciences & Engineering Research Doi:10.6088/ijaser.030400006	2014
72	Nitin Agarwal, Anoop Kumar & Varun	Unit Sizing and Cost Analysis of Renewable Energy based Hybrid Power Generation System – A Case Study	Walailak Journal of Science and Technology, DOI: 10.14456/WJST.2014.24	2014
73	Munish Chhabra Rupinder Singh	Mathematical Modeling of Surface Roughness of Castings Produced Using ZCast Direct Metal Casting	J. Inst. Eng. India Ser. C (Springer) Published Online: 14 October 2014 Print Publish Date: Awaited) DOI 10.1007/s40032-014-0139- 8(Double-blind peer-reviewed)	2014
74	Sanjeev Kumar & Abhishek Saxena	Role of energy audit in energy conservation	M.I.T., Int. Journal of Mechanical Engineering	2014
75	Dr. Vineet Tirth, Dr. Nitin Agarwal, Sumit Kumar Singh	Performance analysis of solar air heater using thee wire mesh	Mit international journal	2014
76	O P Sahani, Rajneesh, Dr Meghanshu Vashista	Effect of Electro Discharge Machining Process parameters on Material Removal Rate	Journal of Basic and Applied Engineering Research, Volume 1, Number 2	2014
77	Rajneesh, O P Sahani, Dr Meghanshu Vashista	Effect of EDM Process Parameters on Tool Wear	Journal of Basic and Applied Engineering Research, Volume 1, Number 2	2014

78	Nitin Agarwal, Anoop Kumar, Varun	Sizing and Cost Analysis of Renewable Energy based Hybrid Power Generation System - A Case Study	Walailak Journal of Science and Technology DOI: 10.14456/WJST.2014.24	2014
79	Munish Chhabra Rupinder Singh	Mathematical Modeling of Surface Roughness of Castings Produced Using ZCast Direct Metal Casting	J. Inst. Eng. India Ser. C (Springer) Vol. 96, Issue-2, October 2014, pp- 145-155 DOI: 10.1007/s40032-014-0139-8 (Double-blind peer-reviewed)	2014
80	Arjan Singh, Atul Sharma, Amit Sharma	Quality Costing Practices: A Systematic and Operational Based Framework	MIT International Journal of Mechanical Engineering, Vol. 4, No. 1, January 2014, pp. 11–16 ISSN 2230-7680	2014
81	Atul Sharma, Amit Sharma	To Study the Effect of Critical Success Factors for TQM Implementation on Organizational Performance	MIT International Journal of Mechanical Engineering, Vol. 4, No. 1, January 2014, pp. 17–21 ISSN 2230-7680	2014
82	Amit Sharma, Atul Sharma, Dr. Anish Sachdeva	Selection of the Best Material for an Axle in Motorcycle using fuzzy AHP and Fuzzy TOPSIS Methods	MIT International Journal of Mechanical Engineering, Vol. 4, No. 1, January 2014, pp. 29–36 ISSN 2230-7680	2014
83	Munish Digra, Atul Sharma	To Find Out the Present Barriers in Achieving Single Minute Exchange of Die in Hand Tool Industries	MIT International Journal of Mechanical Engineering, Vol. 4, No. 2, August 2014, pp. 85-89 ISSN 2230-7680	2014
84	Abhishek Saxena, Nitin Agarwal & G. Srivastava	Design & performance of a solar air heater with long term heat storage	International Journal of Heat & Mass Transfer [IF-2.9] doi.org/10.1016/j.ijheatmasstransfer.2012.12.044	2013
85	Abhishek Saxena & Varun	Solar air heaters with thermal heat storages	Chinese Journal of Engineering doi.org/10.1155/2013/190279	2013
86	Abhishek Saxena & Varun	Fabrication and thermal performance studies of a solar pond model	Journal of Renewable Energy doi.org/10.1155/2013/475282	2013
87	Abhishek Saxena & Salini Lath	Solar cooking by using PCM as a thermal heat storage	M.I.T., Int. Journal of Mechanical Engineering	2013
88	Nitin Agarwal, Anoop Kumar, Varun	Optimization of grid independent hybrid PV– diesel–battery system for power generation in remote villages of Uttar Pradesh, India	Energy for Sustainable Development DOI: 10.1016/j.esd.2013.02.002 Impact factor: 2.379	2013
89	Nitin Agarwal, Anoop Kumar, Varun	Multi Objective Optimization of Hybrid Power Generation System for a Commercial market in Moradabad District of Uttar Pradesh, India	International Journal of Sustainable Energy DOI: 10.1080/14786451.2013.826220	2013
90	Vivek Kumar, Pradeep Kumar, Puneet Kumar	Development of AA 2218-Al <sub>2</sub> O <sub>3</sub> MMCs and characterization for mechanical properties	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 5, May 2013	2013
91	Puneet Kumar , Vineet Tirth	Effect of stirring speed on retention of particles in AA2218-Al <sub>2</sub> O <sub>3</sub> MMCs processed by stir casting	MIT IJME	2013
92	Pavanendra Kumar, Niraj Kumar, Vineet Tirth	Comparative Analysis of Performance and Emission of Diesel Engine by Varying Compression Ratio Using Different Fuels	MIT International Journal of Mechanical Engineering, Vol. 3, No. 2, August 2013, pp. 86–90 ISSN No. 2230–7680 © MIT Publications	2013

93	Akash Roy, Dr.Kallol khan	Static Response Analysis of a FGM Timoshenko's Beam Subjected to Uniformly Distributed Loading Condition	MIT International Journal of Mechanical Engineering, Vol. 3, No. 2, August 2013, pp. 80–85 ISSN No. 2230–7680	2013
94	Abhishek Saxena, Varun, & G. Srivastava	Performance testing of a solar box cooker provided with sensible storage material on the surface of absorbing plate	International Journal of Renewable Energy Technology [IF-0.21] Doi: 10.1504/IJRET.2012.045624	2012
95	Abhishek Saxena & G. Srivastava	Performance studies of a multipurpose solar energy system for remote areas	MIT International Journal of Mechanical Engineering	2012
96	Abhishek Saxena, Varun Goel & Amar Patnaik	Performance estimation of a solar box cooker by approaching Taguchi technique	Asian Journal of Engineering and Applied Technology	2012
97	Harish Yadav & Abhishek Saxena	Thermal performance studies of a solar air heater	MIT International Journal of Mechanical Engineering	2012
98	Abhishek Saxena & G. Srivastava	Potential & economics of solar water heating	MIT International Journal of Mechanical Engineering	2012
99	Niraj Kumar Pavanendra Kumar	Performance Estimation Of Biodiesel (Jatropha And Karanja) Used As A Fuel In Diesel Engine	NCRAME National Conference Of Recent Advances In Mechanical Engineering	2012
100	Nitin Agarwal, Anoop Kumar, Varun	Sizing analysis and cost optimization of hybrid solar-diesel-battery based electric power generation system using simulated annealing technique.	Distributed Generation and Alternate Energy DOI: 10.1080/21563306.2012.10531122	2012
101	Parul Gupta, Dr. R.K. Srivastava	Analysis of Customer Satisfaction of the Hotel Industry in India using KANO Model and QFD”	International Journal of Research in Commerce, IT & Management(IJRCIM), Vol.2 No.1,January 2012,pp-74-81.	2012
102	Parul Gupta, Dr. R.K. Srivastava	Integrating SERVQUAL and Kano Model into QFD for Customer Satisfaction of the Hotel Service Industry”,	MIT International Journal of Mechanical Engineering, Vol.2 No.1, January 2012, pp-45-54.	2012
103	Parul Gupta, Dr. R.K. Srivastava	Analysis of Customer Satisfaction using Quality Function deployment (QFD)”,	International Journal of Mechanical Engineering & Technology (IJMET-JIF: 5.7731). Volume 3, Issue 3, September- 2012, pp-07-21.	2012
104	Munish Chhabra Rupinder Singh	Obtaining desired surface roughness of castings produced using ZCast direct metal casting process through Taguchi's experimental approach	Rapid Prototyping Journal, Vol. 18 Issue: 6, September 2012, pp. 458-471 (Emerald) DOI:10.1108/13552541211272009 Impact factor: 2.031 (Thomson Reuters) (Double-blind peer-reviewed)	2012
105	Munish Chhabra Rupinder Singh	Process Capability Analysis of Cost Effective Rapid Casting Solution Based on Three Dimensional Printing	MIT International Journal of Mechanical Engineering, Vol 2, No.1, Jan 2012, pp. 31-38.	2012
106	Abhishek Saxena, Varun, S.P. Pandey, & G. Srivastava	A thermodynamic review on solar box type cookers	Renewable and Sustainable Energy Reviews [IF- 6.1] doi:10.1016/j.rser.2011.04.017	2011
107	Aashish Sharma, Abhishek Saxena, Varun	Life cycle assessment of buildings	Renewable and Sustainable Energy Reviews [IF- 6.1] doi:10.1016/j.rser.2010.09.008	2011



108	Nitin Agarwal, Anoop Kumar, Varun	Optimal design of hybrid PV– diesel–battery system for power generation in Moradabad district of Uttar Pradesh, India	International Journal of Ambient Energy DOI: 10.1080/01430750.2011.630755	2011
109	Parul Gupta, Dr. R.K. Srivastava	Customer Satisfaction for designing attractive qualities of Healthcare Service in India using Kano Model and Quality Function Deployment	MIT International Journal of Mechanical Engineering, Vol.1 No.2, Aug2011, pp-101- 107	2011
110	Parul Gupta, Dr. R.K. Srivastava	Analysis of Customer Satisfaction of the Hotel Service Quality using Analytic Hierarchy Process(AHP)	International Journal of Industrial Engineering Research & Development(IJIIRD-JIF: 5.1283), Vol.2 No.1,October 2011,pp-59-68	2011
111	Munish Chhabra Rupinder Singh	Rapid casting solutions: a review	Rapid Prototyping Journal, Vol.17, Issue 5, August 2011, pp. 328-350 (Emerald) DOI: 10.1108/13552541111156469 Impact factor: 2.031 (Thomson Reuters) (Double-blind peer-reviewed)	2011
112	Munish Chhabra Rupinder Singh	Investigation of optimum shell wall thickness of digitally produced shell moulds for brass casting using ZCast direct metal casting process	MIT International Journal of Mechanical Engineering, Vol 1, No.2, Aug 2011, pp. 84- 92.	2011
113	Munish Chhabra Rupinder Singh	Experimental Investigation of Pattern-less Casting Solution Using Additive Manufacturing Technique	MIT International Journal of Mechanical Engineering, Vol 1, No.1, Jan 2011, pp. 16- 24.	2011

### National Journals

S.No.	Authors	Title	Journal [IF] with doi	Published
1	Abhishek Saxena, Apoorv Shritriya, & Deepshikha Srivastava	Thermal performance and financial feasibility of a box type solar cooker	Energy & Environment [TIDEE- Journal]	2014
2	Abhishek Saxena, Shalini Lath, N. Agarwal, V. Tirthh	Impacts of Biomass burning on living areas	Energy & Environment [TIDEE-Journal]	2013
3	Abhishek Saxena, Nitin Agarwal, & G. Srivastava	Energy saving parameters in households of Uttar Pardesh	Energy & Environment [TIDEE- Journal]	2012
4	Abhishek Saxena, Varun, G. Srivastava & N.K.Sharma	Performance study of a modified cooking vessel for solar box-type cooker	Energy & Environment [TIDEE- Journal]	2010
5	Munish Chhabra Rupinder Singh	Experimental approach to investigate the effects of heat input on welding characteristics of austenitic SS weld in Pulse GMAW	National Journal of Manufacturing Technology Today, Vol 7, Issue 2, 2008, pp. 24-28.	2008
6	Munish Chhabra Rupinder Singh	Influence of heat input on weldability of austenitic stainless steel(AISI 304)	National Journal of Manufacturing Technology Today, Vol 7, Issue 4, 2008, pp. 21-26.	2008

## International Conferences

S.No.	Authors	Title	Journal [IF] with doi	Published
1	Bhavyanidhi Vats, Monika Singh	Evaluation of tribological properties of graphene oxide dispersed paraffin oil	<a href="https://doi.org/10.1016/j.matpr.2019.06.376">https://doi.org/10.1016/j.matpr.2019.06.376</a> Conference – ICCEMME Materials Today Proceedings	July 2019
2	Bhavya Nidhi Vats, Ganesh Sharma, Anuj Gupta	Framework the Food Supply Chain Network in the Present Indian Scenario	<a href="https://doi.org/10.1007/978-981-13-6412-9_4">https://doi.org/10.1007/978-981-13-6412-9_4</a> Conference – Flame Springer Proceedings	April 2019
3	Sandeep kumar	Febrication of a hybrid fiber glass rainforced epoxy composite using fly ash as a filler material	International conference on Materials for energy application	Dec. 2018
4	Bhavya Nidhi Vats & Ganesh Sharma	Framework the food supply chain in the present Indian scenario	Conference – Flame – 2018	(03 – 05) Oct. 2018
5	Monika Singh	Solid waste management through PAG in Delhi: A step towards swachh Bharat	International Conference – Flame- 2018	(03 – 05) Oct. 2018
6	Mohd Talha	Technology Entrepreneurship Capability Development in Indian Automotive Industry	International Conference – Flame- 2018	(03 – 05) Oct. 2018
7	Mohd Talha Khan	A Hybrid approach bases on AHP and TOPSIS for two wheeler automobile selection	1 <sup>st</sup> International conference on New Frontiers in Engineering science & Technology (NFEST) at Delhi Technological University, New Delhi, India	Jan 2018
8	Ganesh kumar sharma, Deepak Kumar, Prof. s.k.saha	Tribology of steel-steel contact: Comb-cutter assembly for Sheep hair shearing device developed at IIT Delhi	International conference on Rural Technology development and delivery: RuTAG and its synergy with others Initiatives (RTDD 2018) IIT DELHI.	<b>March 9-11, 2018</b>
9	Bhavya Nidhi Vats	Efficient and Economic Trash Compactor with Detachable Bin	EKTA IEEE Conference	2017
10	Ankit Gupta, M Talha	Simple higher-order shear and normal deformation theory for functionally graded plates	ICCE-24 , July 17-23, 2016 near Haikou, Hainan Island, China	2016
11	Ankit Gupta, M Talha	Finite element modeling of functionally graded material plates: An assessment of a new shear deformation theory for free vibration response	Sixth International Congress on Computational Mechanics and Simulation (ICCMS 2016),pp-66-69	2016
12	Ankit Gupta, M Talha	A new trigonometric higher-order shear and normal deformation theory for functionally graded plates	November 11-17, 2016, Phoenix, Arizona, USA, IMECE2016-66771	2016
13	Ankit Gupta, M Talha	Assessment of an efficient and simple hyperbolic higher-order shear and normal deformation theory for functionally graded plates	Structural Engineering Convention (SEC-2016), CSIR-SERC, Chennai, INDIA. 21-23 December 2016	2016
14	Bhavyanidhi Vats, Anuj Gupta, H.C. Thakur	Study Of Steady Natural Convection With Laminar Flow In The Enclosures Of Different Shapes	ASME, International Mechanical Engineering Congress and Exposition, (IMECE 2016), phoenix Convention Centre, Pheonix Arizona, US	2016

15	Monika Singh	Spacecraft propulsion	Conference on innovation techniques in engineering and management (ICITEM 2015) Lucknow	2015
16	Bhavyanidhi Vats, Satpal Sharma	Optimal Sequence for two & three machine system using Johnson's Method	International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME)	2015
17	Akshat Shukla & Abhishek Saxena	Design and thermal performance studies of multipurpose hybrid solar still	International Conference on Renewable Energy (ICORE-2014) Renewables for Development of Rural Areas, Organised by SESI (India)	2014
18	Akash Roy, K. Khan	Static analysis of FGM cantilever beam under mechanical and thermomechanical loading	1st International Conference on Mechanical Engineering: Emerging Trends for Sustainability (ICMEETS 2014), January 29-31, NIT Bhopal.	2014
19	Navneet Deval and Abhishek Saxena	Thermal performance evaluation methodology of a high rated solar distilled water system	International Conference on Renewable Energy (ICORE-2013) Renewables for Development of Rural Areas, Organised by SESI (India)	2013
20	Vishal Bhasin & Abhishek Saxena	Heat transfer in heat pipes for solar water heating	International Conference on Renewable Energy (ICORE-2013) Renewables for Development of Rural Areas, Organised by SESI (India)	2013
21	Vishal Bhasin, Abhishek Saxena & N.K. Sharma	Thermal behavior of heat pipes in solar thermal applications	International Conference on Renewable Energy (ICORE-2012), Grid Power from Renewables, Organised by SESI (India) DOI: 10.13140/2.1.3514.8808	2012
22	Harish Yadav, Abhishek Saxena & N.K. Sharma	Thermal performance evaluation of a design and cost optimized solar air heater	International Conference on Renewable Energy (ICORE-2012), Grid Power from Renewables, Organised by SESI (India) DOI: 10.13140/2.1.5096.0322	2012
23	Parul Gupta, R.K. Srivastava	E-Service Quality of Indian Internet Banking and its Effects on E-Customer Satisfaction	International Conference on "Customer Satisfaction to Achieve Customer Loyalty", MAEER' MIT College of Engineering Centre for Management Studies and Research, Pune, March 22-23, 2012.	2012
24	Abhishek Saxena, Nitin Agarwal, & V. Tirthh	Performance studies of an improved solar dryer in the climate of Uttar Pradesh	International Conference on National Solar Mission (JLNSM-2011), held at Bombay Exhibition Centre, Mumbai	2011
25	Parul Gupta, R.K. Srivastava	Analysis of Customer Satisfaction in Internet Banking Service Quality using Quality Function Deployment Approach	International Conference on Modern Trends in Industrial Engineering, November 17-19, 2011, S.V. National Institute of Technology, Surat – 395 007, Gujarat, India.	2011
26	Abhishek Saxena, N. Agarwal, P. Gupta, & G. Srivastava	The Role of Mirror Boosters in Solar Box Type Cookers	International Conference on National Solar Mission and PV+Solar India, Expo- 2010, (at W.T.C., Mumbai, India)	2010
27	Abhishek Saxena, N. Agarwal, Nitesh Kumar, Parul Gupta	A Technical Note on- Contribution of phase change materials in solar cooking	World Renewable Energy Congress XI & Exhibition, (Abu Dhabi, U.A.E.)	2010
28	Abhishek Saxena & G. Srivastava	An analytical model for water distillation through utilization of solar energy	International Conference on Energy Engineering and Eco-balance-ICEEE-2009, Organized by MITR Pune	2009

29	Abhishek Saxena; Varun; V. Tirthh, G. Srivastava	Solar energy & its applications: as teaching aids for distance learning students	Proceedings of International Congress on Renewable Energy (ICORE-2009), Habitat Center-Delhi	2009
30	Abhishek Saxena & G. Srivastava	A review on renewable energy applications	International Conference on Water, Environment, Energy and Society, (Firozabad, India)	2009
31	Parul Gupta ,R.K. Srivastava	Mechatronics and its applications: The Status of Review	International Conference on Advances in Machine Design and Industry Automation (ICAMDIA-2007) to be held in Pune from 10th to 12th of January, 2007	2007
32	Parul gupta, R.K.Srivastava	Nanotechnology: Recent Developments in Manufacturing	International Conference on Advances in Machine Design and Industry Automation (ICAMDIA-2007) to be held in Pune from 10th to 12th of January, 2007.	2007
33	Parul Gupta, and Mayank Gangwar	Applications of Advanced Nano-Materials: The Status of Review	Second International Conference on Recent Advances in Composite Materials (ICRACM - 2007), Sponsored by Air Force Office of Scientific Research (AFOSR) – Asian Office of Aerospace Research & Development (AOARD), USA, on 20-23 February-2007	2007
34	Parul Gupta, and Vineet Tirth	Impact of Stirrer Design on Incorporation of Ceramic Dispersoids in Molten Metal Matrix	Second International Conference on Recent Advances in Composite Materials (ICRACM - 2007), Sponsored by Air Force Office of Scientific Research (AFOSR) – Asian Office Of Aerospace Research & Development (AOARD), USA, on 20-23 February-2007.	2007
35	Parul Gupta, and Vineet Tirth	Optimum Parameters in the Processing of Aluminium based MMCs by Vortex Liquid Metallurgy Route	Second International Conference on Industrial and Information Systems (ICIIS 2007), Sponsored by IEEE to be held in The Faculty of Engineering, University of Peradeniya, Sri Lanka From 9th to 11th of August, 2007.	2007
36	Parul Gupta, Vineet Tirth, Abhishek Kumar	Application of Taguchi Technique to Reduce Positional Error in two Degree of Freedom Rotary-Rotary Planar Robotic Arm	17 <sup>th</sup> International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Mechatronics & Robotics" 08-11th November 2006, Vienna, Austria, EU.	2007
37	Parul gupta, R.K.Srivastava	Mechatronics: the Coming Revolution”	17 <sup>th</sup> International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Mechatronics & Robotics” 08-11th November 2006, Vienna, Austria, EU.	2006
38	Parul gupta, R.K.Srivastava	Futuristic Humanoid Robots: An Overview	First International Conference on Industrial and Information Systems (ICIIS 2006), Sponsored by IEEE to be held in The Faculty of Engineering, University of Peradeniya, Sri Lanka From 8th to 11th of August, 2006.	2006
39	Parul gupta, R.K.Srivastava	Structural Application of Smart Materials in Construction Engineering Using Robotics,	First International Conference on Industrial and Information Systems (ICIIS 2006),Sponsored by IEEE ,to be held in The Faculty of Engineering, University of Peradeniya, Sri Lanka From 8th to 11th of August, 2006	2006

## National Conferences

S.No.	Authors	Title	Journal [IF] with doi	Published
1	Bhavyanidhi Vats , Satpal Sharma	Integrating Cost of Quality with Lean for Continuous Improvement	National Conference on Advances in Manufacturing system (CAMS)	2014
2	Monika Singh	“Renewable energy scope in desert Area”	Conference at Bhagwant University, Ajmer	2014
3	Monika Singh	“Energy audit and management”	Conference at Bhagwant University, Ajmer	2014
4	Monika Singh	“Improve Supply Chain Management by improving relation between suppliers, customers and vendors”	National Conference at BIT Muzaffar Nagar U.P	2014
5	Shalini Lath, A.Kuashik & Abhishek Saxena	Parametric studies of a model of hybrid energy vehicle	Challenges of Efficient Energy Technology for Clean Energy in 21 <sup>st</sup> Century- A National Conference (ISBN- 978-93-82880-69-1)	2013
6	Payal Gupta, Varsha Rajpoot, & Abhishek Saxena	Total load estimation of a building and study of power supply by PV panels	Challenges of Efficient Energy Technology for Clean Energy in 21 <sup>st</sup> Century- A National Conference (ISBN- 978-93-82880-69-1)	2013
7	Sanjeev Kumar & Abhishek Saxena	Solar drying technology: potential and developments	Challenges of Efficient Energy Technology for Clean Energy in 21 <sup>st</sup> Century- A National Conference (ISBN- 978-93-82880-69-1)	2013
8	Deepshikha, Abhishek Saxena, Apoorv Shritriya	Techno-Economic evaluation of a solar cooker	Challenges of Efficient Energy Technology for Clean Energy in 21 <sup>st</sup> Century- A National Conference (ISBN- 978-93-82880-69-1)	2013
9	Vivek Kumar, Puneet Kumar	Preparation and Characterization of Squeeze Cast AA2218-Al <sub>2</sub> O <sub>3</sub> MMCs	National Conference on challenges of efficient energy Technology For clean energy-21 <sup>st</sup> century (23-24May 2013)	2013
10	Munish Chhabra	Rapid Prototyping: A New Direction in Manufacturing	National conference on Advances in Mechanical Engineering, 2009, pp. 192-200.	2009
11	Parul Gupta, Manish Gupta	Present status and future of Electronic Procurement in India	National Conference on Advances in Mechanical engineering, MIT Moradabad on 28 Feb-01 March 2009.	2009
12	Kamal Sharma, Parul Gupta, Puneet Kumar	Modified Layout Design of Indian Railway Sleeper Coaches	National Conference “Advances Global Scenario” on GLAITM, Mathura on 25-26 Feb, 2007	2007
13	Munish Chhabra	Aluminium Welding with Friction Stir Welding Process	National Conference, NSETET, MIT, Moradabad, 2007, pp. 399-409.	2007
14	Parul Gupta ,R.K. Srivastava	Opportunity and Challenges of Smart Materials: A Review	National Conference on Advance Product Development, Institution of Engineers- MNNIT Allahabad on 17-18 Feb, 2006	2006
15	Parul Gupta, Mayank Gangwar	Global Trends and best Practice in Mechatronics	National Conference on Recent Trends in Mechatronics, Nanotechnology and Robotics, National Institute of Technology, Rourekela on 15-16 April, 2006.	2006
16	Parul Gupta, Vineet Tirth	Nanotechnology: The coming Revolution in Manufacturing	National Conference on Recent Trends in Mechatronics, Nanotechnology and Robotics, National Institute of Technology ,Rourekela on 15-16 April,2006.	2006

17	Prashant verma, Parul Gupta and Vineet Tirth	Smart materials-an overview	National Conference on Advance Product Development, Institution of Engineers- MNNIT Allahabad on 17-18 Feb, 2006.	2006
18	Amitabh Krishna, Puneet Kumar, R.S. Prasad, Vineet Tirth	Database for selection of proper aluminium alloy for engineering applications	National Conference on Emerging Trends on Manufacturing Systems-2005,15-16March'05, JMIT, Radaur(Yamunagar)	2005
19	Munish Chhabra	Expert System in Welding – An Artificial Intelligence Technique in Art of Joining	National Conference (ETMS), SLIET, Longowal, 2004, pp. 85-92.	2004

### Chapters

S.No.	Authors	Title	Book with doi	Published
1	Bhavyanidhi Vats, Prateeksha Saxena	Excel Solver for Deterministic Inventory Model : INSOLVER	Information system design & intelligent applications, Springer Doi: 10.1007/978-81-322-2755-7_20	2016
2.	Parul Gupta	Overview of Multi-Functional Materials	New Trends in Technologies: Devices, Computer, Communication and Industrial Systems, Edited by Meng Joo Er, ISBN 978-953-307-212-8, 454 pages, Publisher: Sciyo, DOI: 10.5772/10444.	November 02, 2010

### Books Review

S.No.	Reviewer	Title	Journal [IF] with doi	Published
1	Abhishek Saxena	Thermal Energy Systems: Design and Analysis by Steven G. Penoncello	Journal of Thermal Analysis & Calorimetry [IF-1.8], DOI- 10.1007/s10973-015-5217-5	2016
2	Abhishek Saxena	Introduction To Thermo-fluids Systems Design by Andre G. McDonald and Hugh L. Magande'	Journal of Thermal Analysis & Calorimetry [IF-1.8] DOI- 10.1007/s10973-013-3469-5	2013
3	Abhishek Saxena	Thermodynamics by Sanford Klein and Gregory Nellis	Journal of Thermal Analysis & Calorimetry [IF-1.8] DOI- 10.1007/s10973-012-2594-x	2012