

Academic Year: 2020- 21

| | | | | | |
|----|---|---|---|---|-----------|
| 1. | Sandeep Kumar and Monika Singh | Mechanical Characterization of a Fly Ash and Glass Fibers Reinforced Hybrid Epoxy Composite | Lecture Notes in Mechanical Engineering | Advances in Engineering Materials, Springer Nature; DOI 10.1007/978-981-33-6029-7_2 | Aug' 2020 |
| 2. | Arvind Kumar Singh and Nitin Agarwal | An experimental analysis of the thermal performance of solar Air Heater (SAH) having two different Absorber Plate along with PCM based Energy Storage | Lecture Notes in Mechanical Engineering | Advances in Fluid and Thermal Engineering, Springer Nature; DOI 10.1007/978-981-16-0159-0_2 | Aug' 2020 |
| 3. | Mohd Talha Khan, Deepak Singh and Udit Vasishthta | Impact of casting parameters on surface roughness and hardness of squeeze cast beta brass | Lecture Notes in Mechanical Engineering | Advances in Industrial and Production Engineering, Springer Nature; DOI 10.1007/978-981-33-4320-7_82 | Aug' 2020 |
| 4. | Mohd Asjad, Kumar Arpit and Pravesh Chandra | Design and fabrication of a model for filtration and Power generation from Sewage water (SHURJA) | International Journal | International Journal of Advance Engineering Science and Technology, MIT Transactions 100-104, Vol. 2 Issue 3 | Aug' 2020 |
| 5. | Munish Chhabra and Vijay Singh | Experimental investigation of effect of squeeze pressure on casting of Bronze alloy | International Journal | International Journal of Advance Engineering Science and Technology, MIT Transactions 105-112, Vol. 2 Issue 3 | Aug' 2020 |
| 6. | Pravesh Chandra, Mumtaz khan, Nuzair Khan | Robotic Arm to take sample of infected person for COVID -19 test | International Journal | International Journal of Advance Engineering Science and Technology, MIT Transactions 25-27, Vol. 4 Issue 1 | Jan' 2021 |
| 7. | Deepak Singh and Munish Chhabra | Experimental investigation on squeeze casting of Brass alloy | International Journal | International Journal of Advance Engineering Science and Technology, MIT Transactions 28-36, Vol. 4 Issue 1 | Jan' 2021 |
| 8. | Ganesh Kumar Sharma and Bhavya Nidhi Vats | A comparative study on mechanical and tribological properties of different grades of tool steels | Conference Paper | Materials Today: Proceedings DOI 10.1016/j.matpr.2021.02.275 | Feb' 2021 |
| 9. | Pravesh | Challenges and Benefits of | Conference | Advances in thermal – | March' |

| | | | | | |
|-----|---|---|--------------------------|---|--------------|
| | Chandra, Anurag Mudgal and Jatin Patel | Multi effect distillation over other techniques for waste water treatment: A review | Paper | fluids engineering ATFE - 2021 | 2021 |
| 10. | Arvind Kumar Singh, Nitin Agarwal , Abhishek Saxena | Effect of extended geometry filled with and without phase change material on the thermal performance of solar air heater | International Journal | Journal of Energy Storage, Elsevier DOI 10.1016/j.est.2021.102627 | Apr' 2021 |
| 11. | Abhishek Saxena, Arvind Kumar Singh and M. karakilcik | Thermal Performance Evaluation of A modified solar water heater integrated with parabolic trough concentrator | Book Chapter | Solar Water Heating, Nova Science Publishers, Inc ISBN: 978-1-53619-320-6 | Apr' 2021 |

Academic Year: 2019- 20

| | | | | | |
|----|------------------|---|-----------------------|--|------------|
| 1. | Nitin Agarwal | Green House gas emissions due to the construction of Residential buildings in Moradabad, India | International Journal | Applied Ecology and Environmental Research; DOI 10.15666/aecer/1705_1211112126 | July' 2019 |
| 2. | Abhishek Saxena | Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs | International Journal | Journal of Energy Storage, Elsevier DOI 10.1016/j.est.2019.100978 | Sept' 2019 |
| 3. | Abhishek Saxena | 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 | International Journal | Sustainable Energy Technologies and Assessments, Elsevier DOI 10.1016/j.seta.2019.100566 | Nov' 2019 |
| 4. | Abhishek Saxena | Design and thermal performance evaluation of an air heater with low cost thermal energy storage | International Journal | Applied Thermal Engineering, Elsevier DOI 10.1016/j.applthermaleng.2019.114768 | Dec' 2019 |
| 5. | Parul Gupta | A supply chain management based patient forecasting model for dental hospital | International Journal | Journal of Critical reviews DOI 10.31838/jcr.07.03.76 | Jan' 2020 |
| 6. | Mohd. Talha Khan | Variables of Service Quality Facilitating Client Contentment in Indian Bike Industries | International Journal | International Journal of Innovative Technology and Exploring Engineering (IJITEE) DOI 10.35940/ijitee.E3149.049620 | Apr' 2020 |
| 7. | Abhishek Saxena | Design and thermal performance investigation of a box cooker with flexible solar collector tubes: An experimental research | International Journal | Energy, Elsevier DOI 10.1016/j.energy.2020.118144 | June' 2020 |

Academic Year: 2018 -19

| | | | | | |
|----|---|--|--------------------------------|--|-----------|
| 1. | Shubham Vyas, Prashant Singh | Experimental comparison of open sun drying and solar drying based on evacuated tube collector | International Journal (Scopus) | International Journal of Sustainable Energy, Taylor & Francis DOI 10.1080/14786451.2018.1505726 | July 2018 |
| 2. | Sandeep Kumar | Fabrication of a hybrid fibre glass reinforced epoxy composite using fly ash as a filler material | International Conference Paper | International Conference on Materials for Energy Applications (ICME-18) | Dec 2018 |
| 3. | Monika Singh | Case Study- Solid waste in India is adverse to society | International Conference Paper | International Conference on Materials for Energy Applications (ICME-18) | Dec 2018 |
| 4. | Monika Singh | Solid Waste management through plasma arc gasification in Delhi;Astep towards Swacch Bharat Abhiyan | Book Chapter | Advances in Industrial and Production Engineering Lecture Notes in Mechanical Engineering. Springer, Singapore DOI 10.1007/978-981-13-6412-9_42 | Apr 2019 |
| 5. | Bhavya Nidhi Vats, Ganesh Sharma | Framework the food supply chain network in the present Indian scenario | Book Chapter | Advances in Industrial and Production Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. DOI 10.1007/978-981-13-6412-9_44 | Apr 2019 |
| 6. | 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 Paper | Rural Technology Development and Delivery. Design Science and Innovation. Springer, Singapore DOI 10.1007/978-981-13-6435-8_11 | Apr 2019 |
| 7. | Bhavya Nidhi Vats, Monika Singh | Evaluation of Tribological properties dispersed grapheme oxide paraffin oil | International Conference Paper | Materials Today Proceedings Elsevier DOI 10.1016/j.matpr.2019.06.376 | June 2019 |
| 8. | M.Talha Khan | Technology Entrepreneurship capability development in Indian automotive industry | Book Chapter | Advances in Interdisciplinary Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. DOI 10.1007/978-981-13-6577-5_53 | June 2019 |

| | | | | | |
|----|--------------|--|--------------|---|-----------|
| 9. | M.Talha Khan | Green Energy; A building block for smart city in India | Book Chapter | Advances in Interdisciplinary Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. DOI 10.1007/978-981-13-6577-5_54 | June 2019 |
|----|--------------|--|--------------|---|-----------|

Academic Year: 2017-18

| | | | | | |
|----|--|--|--------------------------------------|--|-----------|
| 1. | Dr. Abhishek Saxena | Performance Evaluation of a Solar Cooker with Low Cost Heat Storage Material | International Journal (Cross Ref) | International Journal of Sustainable and Green Energy Volume 6, Issue 4, July 2017, Pages: 57-63 | July 2017 |
| 2. | Dr. Abhishek Saxena | Solar food processing and cooling methodologies | Book Chapter | Applications of Solar Energy. Energy, Environment, and Sustainability. Springer, Singapore. https://doi.org/10.1007/978-981-10-7206-2_13 | Nov 2017 |
| 3. | Dr. Abhishek Saxena ¹ Dr. Nitin Agarwal ² | Performance characteristics of a new hybrid solar cooker with air duct | International Journal (SCI Expanded) | Solar Energy Volume 159, 1 January 2018, Pages 628-637 | Dec 2017 |
| 4. | Mohd Talha Khan | A Hybrid approach bases on AHP and TOPSIS for two wheeler automobile selection | International Conference Paper | 1 st International conference on New Frontiers in Engineering science & Technology (NFEST) at Delhi Technological University, New Delhi, India | Jan 2018 |

Academic Year 2016 -2017

| | | | | | |
|----|---|--|--------------------------------|--|----------|
| 1. | Medhavi Kamraan, Abhishek Saxena | A comprehensive study on 3D printing technology | International Journal | M.I.T., Int. Journal of Mechanical Engineering ISSN Vol 6 No. 2 ISSN: 2230-7680 | Aug 2016 |
| 2. | Pravesh chandra Dr. Sumit Sen, Manoj K Jain | Evaluating sampling strategies for rainfall simulation studies | International Journal | M.I.T., Int. Journal of Mechanical Engineering ISSN Vol 6 No. 2 ISSN: 2230-7680 | Aug 2016 |
| 3. | Sanjay Singh Tomar, Ankit Gupta | Effect of Various Cutouts on the Natural Frequency of the Laminated Composite Plate | International Journal | International Journal M.I.T., Int. Journal of Mechanical Engineering ISSN Vol 6 No. 2 ISSN: 2230-7680 | Aug 2016 |
| 4. | Atul Sharma, Amit Sharma | Identification of Risks and its mitigation in Supply Chain Management | International Journal | M.I.T., Int. Journal of Mechanical Engineering ISSN Vol 6 No. 2 ISSN: 2230-7680 | Aug 2016 |
| 5. | Sachin Kawatra, OP Sahani | Parametric Study of Reservoir Lock Gate Structures considering Fluid Interaction | International Journal | M.I.T., Int. Journal of Mechanical Engineering ISSN Vol 6 No. 2 ISSN: 2230-7680 | Aug 2016 |
| 6. | Sandeep Kumar | Preparation of Glass Ceramics from Blast Furnace Slag | International Journal | MIT International Journal of Mechanical Engineering Vol. 6, No. 2, August 2016, pp. 106-109 106 ISSN 2230-7680 © MIT Publications | Aug 2016 |
| 7. | 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. | International Journal (SCI) | Composites Part B Engineering, 107: 141-161 (2016); DOI:10.1016/j.compositesb.2016.09.071 .(Elsevier) (I.F. 4.727) | Sep 2016 |
| 8. | Ankit Gupta, M Talha | Assessment of Second Order Normal Deformation Plate Theory For Free Vibration Analysis of Functionally Graded Plates With Mixed Boundary Constraints | International Journal | The International Journal of Acoustics and Vibration | |
| 9. | Ankit Gupta, M Talha | A New Trigonometric Higher-Order Shear and Normal Deformation Theory for Functionally Graded Plates | International Conference Paper | ASME 2016 International Mechanical Engineering Congress and Exposition IMECE2016-66771, V001T03A010; 8 pages https://doi.org/10.1115/IME | Feb 2017 |

| | | | | | |
|-----|---|---|-----------------------------|--|----------|
| | | | | CE2016-66771 | |
| 10. | Ankit Gupta, Mohammad Talha | Large amplitude free flexural vibration analysis of finite element modeled FGM plates using new hyperbolic shear and normal deformation theory | International Journal (SCI) | Aerospace Science and Technology, 67: 287-308 (2017), doi.org/10.1016/j.ast.2017.04.015. (Elsevier) (I.F. 2.01) | Apr 2017 |
| 11. | Dr.Munish Chhabra Dr.Rupinder Singh | Experimental Investigation for the Hardness of Castings Produced by Using ZCast Process | International Journal (SCI) | Transactions of the Indian Institute of Metals, Volume 71, <u>Issue 1</u> , pp 153–166 (https://doi.org/10.1007/s12666-017-1148-0) | May 2017 |
| 12. | Ankit Gupta, Mohammad Talha | Nonlinear flexural and vibration response of geometrically imperfect gradient plates using hyperbolic higher-order shear and normal deformation theory. | International Journal (SCI) | Composites Part B Engineering, 123: 241-261 (2016); http://dx.doi.org/10.1016/j.compositesb.2017.05.010 . (Elsevier) (I.F. 4.727) | May 2017 |
| 13. | Akeel Ahmad, Ahsan Kamal Ansari, Pravesh Chandra | Design and fabrication of Compressed Solar Air Conditioner | Journal | International Research Journal of Engineering and Technology, ISSN : 2395-0072 | May 2017 |
| 14. | Akshit Sharma, Akshay Kumar Sharma, Aeshwary Mudgal, Sandeep Kumar | The Effect Of Alumina And Titania On The Mechanical Properties Of Epoxy Resin | Journal | International Research Journal of Engineering and Technology, ISSN : 2395-0072 | May 2017 |