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International Journal Publications: 22

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. **Lenin Nagarajan**, Siva Kumar Mahalingam, Jayakrishna Kandasamy and Selvakumar Gurusamy. "A novel approach in selective assembly with an arbitrary distribution to minimize clearance variation using evolutionary algorithms: A comparative study", Journal of Intelligent Manufacturing, 2020 (Accepted for publication).
2. Siva Kumar Mahalingam and **Lenin Nagarajan**. "Strategy to reduce floor area and flow distance of products in multi-row parallel machine layout design using cuckoo search algorithm", Journal of Advanced Manufacturing Systems, 2020 (Accepted for publication).
3. **Lenin Nagarajan** and I. Mohammed Irfan. "Free Vibration and Buckling Analysis of FG-CNT Plates", Lecture Notes in Mechanical Engineering, 2020 (10.1007/978-981-15-3631-1_24, Listed in Scopus).
4. F. Michael Thomas Rex, D. Ravindran, A. Andrews, and **Lenin Nagarajan**. "Intelligent Fixture Layout Design for End Milling Process Using Artificial Neural Networks", Lecture Notes in Mechanical Engineering, 2020 (10.1007/978-981-15-3631-1_20, Listed in Scopus).
5. **N. Lenin** and M. Siva Kumar. "Harmony search algorithm for simultaneous minimization of biobjectives in multi-row parallel machine layout problem", Evolutionary Intelligence, 2020 (10.1007/s12065-020-00419-3, Listed in Scopus).
6. Gurusamy Selvakumar, Velayutham Balasubramanian and **Nagarajan Lenin**. "Investigation on corner accuracy in wire cut EDM of AISI D3 tool steel", Int. J. Rapid Manufacturing, Vol. 9, No. 1, 2020.

7. Chandran V, Manvel Raj T, **Lenin N** and Subramanian A. “Mechanical Investigation of Crane Hook using AISI 4340 Alloy Steel with Various Proportions of Vanadium”, Journal of Automation and Automobile Engineering, Volume 4 (3), 1-6, 2019.
8. Renjin J Bright, Selvakumar G, Sumathi M and **Lenin N**. “Development, Mechanical Characterization and Analysis of Dry Sliding Wear Behavior of AA6082 - Metakaolin Metal Matrix Composites, Materials Research Express, Volume 6, 2019.
9. Gurusamy Selvakumar, Velayutham Balasubramanian, Sundaravel Vijayan and **Nagarajan Lenin**. “Effects of multi-pass cutting during wire electrical discharging”, Materials Testing, 2019 (10.3139/120.111400, Listed in Scopus & SCI, IF=0.573).
10. **Lenin N**, Siva Kumar Mahalingam, Jayakrishna K and Selvakumar G. “Application of Artificial Immune System Algorithm for Simultaneous Minimization of Multiple Objectives in Single Row Facility Layout Problems”, International Journal of Industrial and Systems Engineering, 2019 (10.1504/IJISE.2020.10020891).
11. **Lenin N**, Sivamurugan P, Srimanickam P, Ramanan P and Siva Kumar M. “Thermal and Electrical Performance Evaluation of PV/T Collectors in Southern India”, International Journal of Ambient Energy, 2018 (Accepted for publication).
12. Chandran V. **Lenin N**, Manvel Raj T and Jawahar S. “Experimental Studies on Different Proportions of CB filled Natural Rubber composites with Precipitated Silica and Silica gel”, Springer Lecture Notes, 2018 (Accepted for publication).
13. Selvakumar G, Ram Prakash S and **Lenin N**. “Experimental study on abrasive water jet machining of AA5083 in a range of thicknesses”, Int. J. Abrasive Technology, Volume 8 (3), 2018 (Listed in Scopus).
14. Sivamurugan P, Irudayaraj S and **Lenin N**, “Quantitative and Qualitative Analysis for Isochoric Heating Method during Pressure Development of Phase Change Process”, International Journal of Ambient Energy, 2018 (DOI: 10.1080/01430750.2018.1437562, Listed in Scopus).
15. Vignesh Kumar D, Ravindran D, **Lenin N** and Siva Kumar M, “Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm”,

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18.Chandran V, **Lenin N** and Manvel Raj T, “Evaluation of vibration damping behavior of different sizes of waste tyre rubber in natural rubber composites”, Journal of Composite Materials, Volume 52 (18), 2493-2501, 2017 (DOI: 10.1177/0021998317748467, Listed in Scopus & SCI-Expanded, IF=1.494)

19.Chandran V, Pradeep Kumar S and **Lenin N**, “Effect of Different Proportions of Silicon Carbide Reinforced Magnesium Alloy Composites for Connecting Rod Applications”, Journal of Manufacturing Engineering, Volume 12 (2), 77-81, 2017.

20.Velayutham K, Selvakumar G, Venkadeswaran K and **Lenin N**, “Multi-Objective Optimization of Nd:YAG Laser Cutting of Thin Ferritic Stainless Steel Sheet Using Grey Relational Analysis with Principal Component Analysis”, International Journal of Printing, Packaging & Allied Sciences, Volume 4 (5), 4037-4048, 2016.

21.Michael Thomas Rex F, Ravindran D and **Lenin N**, “Prediction of Workpiece Elastic Deformation using FEM Based Contact Analysis”, Applied Mechanics and Materials, Trans Tech Publications, Volume 852, 498-503, 2016.

22.Alex John Britto P and **Lenin N**, “Optimization of process parameters of ECM by RSM on AISI 202 steel”, Carbon – Science and Technology, Volume 7 (4), 28-33, 2015.

Signature of Supervisor