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List of Publications

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 bi-objectives 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, 2019(Accepted for publication).

12. Chandran V, **Lenin N**, Maridurai T, Jawahar P, Vignesh G and Sunil K. "*Experimental Studies on Different Proportions of CB-filled Natural Rubber composites with Precipitated Silica and Silica gel*", 2019, Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018). Lecture Notes in Mechanical Engineering. Springer, Singapore.

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*", Proc IMechE Part C: J Mechanical Engineering Science, 2018 (DOI: 10.1177/0954406218756439, Listed in Scopus & SCI-Expanded, IF=1.015)

16. **Lenin N**, Siva Kumar M, Selvakumar G and Vignesh Kumar D, "*Solution for Bi-objective Single Row Facility Layout Problem using Artificial Bee Colony Algorithm*", European Journal of Industrial Engineering, Volume 12 (2), 252-275, 2018 (Listed in Scopus & SCI-Expanded, IF=1.091).

17. **Lenin N**, Selvakumar G and Siva Kumar M, "*Solution for multi-objective single row facility layout problem using particle swarm optimisation algorithm*", International Journal of Manufacturing Technology and Management, 2018 (Accepted for publication, Listed in Scopus, IF=0.288).

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.