

PUBLICATION DETAILS

❖ **Name** : **Dr.Girish M Dhote**

List of Journal Publications:

1. Girish M Dhote, Jambi Ratna Raja Kumar, Neha P. et al. Blockchain-Enabled Information Systems for Secure Health Management: A Case Study on Patient Data Privacy (2025). <https://doi.org/10.52783/jisem.v10i1.3>
2. Dhote, G.M., Selvaraj, K., Jain, A. et al. Nature inspires biomimetic robots to build lattice structures of unprecedented strength. *Int J Adv Manuf Technol* (2024). <https://doi.org/10.1007/s00170-024-14870-4>
3. Lakshmana Phaneendra Maguluri¹ · Duraisamy Suganthi² · Girish Motiram Dhote³ · et al. AI-enhanced predictive maintenance in hybrid roll-to-roll manufacturing integrating multi-sensor data and self-supervised learning. *Int J Adv Manuf Technol* (2024). (2024). <https://doi.org/10.1007/s00170-024-14263-7>
4. Srilatha, P. , Bendale Shailesh P. , Singh Monisha , Chakole Nitin , Dhote Girish M. & Shelke Nilesh (2024), " Machine intelligence security : A methodological blend of fuzzy logic in industry 4.0 algorithms, *Journal of Discrete Mathematical Sciences and Cryptography*", 27:2-B, 689–701, DOI: [10.47974/JDMSC-1920](https://doi.org/10.47974/JDMSC-1920)
5. Girish M Dhote, Anil V Kale, "Artificial Neural Network Based Simulation For Piercing Operation", *International Journal of Engineering Research and General Science* Volume 8, Issue 3, May-June, 2020.
6. Dhote, M. G., Dhote, G. M., & Meshram, A. (2023). Solving Goal Programming by Alternative Simplex Method. *Communications in Mathematics and Applications*, 14(5), 1507–1514. <https://doi.org/10.26713/cma.v14i5.2289>
7. Amol S. Kinkar, G. M. Dhote, R.R. Chokkar," CFD Simulation On CFBC Boiler", *International Journal Of Scientific & Technology Research* Volume 4, ISSUE 02, FEBRUARY 2015.
8. NR Saharkar, [GMDhote](#), "Prototype development of Milling Machine using CAD/CAM", *International Journal of Science and Research*, 2015.
9. Abhinav A Kherkar, Girish M Dhote, VH Tatwawadi, "Parametric Modeling of 'C'Class Boiler-A case study", *International Journal of Engineering Research and General Science* Volume 3, Issue 1, January-February, 2015.
10. Prafull Shirpurkar Smitesh Bobde, Girish Dhote, "Value Engineering for Turbine Blade Design", *IJIRT*, Volume-4, Issue-11, Page No: 1789-1793.
11. Nikita Khelkar Prof. G. M. Dhote, Ankit J. Wagh, Palash Chopde, Lokesh Bhatri, "Burr Size Analysis in Drilling Process for Different Alloys Using Image Processing Technique", *International Research Journal of Engineering and Technology (IRJET)*, Volume-4, Issue-3, Page No: 2063-2067.
12. D. N. Dubey M. Pawar Rahul D.Gorle G. Dhote, "OEM's For Large Steam Turbines-A Case Study", *IJCMEs-2017*. DOI:10.24001/IJCMEs.ICSESD2017.79
13. G. Dhote Amol S. Kinkar, "International Journal of Engineering Research and General Science", Volume-3, Issue-1-2015.
14. G M Dhote V A Dahake, M Janbandhu, A Bansod, A Gawai, "A Solar Based Working Model to Run Air Compressor", *International Journal of Scientific Research and Development-2015*.
15. Nikita R Saharkar, Girish M Dhote, "Prototype Development of Milling Machine Using CAD/CAM", *International Journal of Science and Research (IJSR)*, Volume 4 Issue 8, August 2015.

16. Girish M Dhote, Atharva Dhananjay Jadhav et al., "Design And Fabrication Of Electric Scooter", International Journal of Emerging Trends in Research, Special Issue: 2, 2022, pp. 182-191.
17. Jitendra Badkas, Girish Dhote, "Design and Simulation of the Die for Hooked End Steel Fiber", International Conference on Science and Engineering for Sustainable Development (ICSESD-2017) (www.jit.org.in) International Journal of Civil, Mechanical and Energy Science (IJCMES)
18. Nilesh D Khutafale, Girish M Dhote, "Model Based Design of Injection Mould For Charge Air Cooling Inlet Tank", International Journal of Engineering Research and General Science Volume 4, Issue 3, May-June, 2016.

Conferences & Book Chapter:

1. Monali G Dhote, Girish M Dhote, "Solution of goal programming using alternative approach of dual simplex method", Recent Advances in Material, Manufacturing, and Machine Learning, CRC Press, Taylor & Francis 2024.
<https://doi.org/10.1201/9781003450252>
2. Monali G Dhote, Girish M Dhote, Hetal Gaglani, "Alternative approach to solve goal programming problem", Artificial Intelligence and Information Technologies, CRC Press, <https://doi.org/10.1201/9781003510833>
3. Dhote, M. G., Dhote, G. M., (2023), "Optimum solution of goal programming problem by modified Charnes penalty method". Recent Advances in Material, Manufacturing, and Machine Learning, CRC Press, Taylor & Francis 2023.
<https://doi.org/10.1201/9781003358596>
4. GM Dhote, AV Kale, "Model-Based Simulation and Optimization of Cutting Operations in Sheet Metal Working", American Society of Mechanical Engineers, IMECE2013-64493, V02BT02A077; 6 pages. <https://doi.org/10.1115/IMECE2013-64493>
5. G M Dhote, A V Kale, "Computational Analysis of a Parameter of Pipe Bending Process", Proceedings of International Conference on Computational Methods in Manufacturing (ICMM2011), 14-17 December 2011, IIT Guwahati, Asam
6. P D Kamble, G M Dhote, "Analysis of 4 Stoke Engine Piston for Varying Condition Monitoring", Conference on Latest Trend in Simulation Modeling & Analysis, NIT, Calicut, 17-19 Dec 2009.