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Name – Dr. M. J. Patil

Qualification- M.E., Ph.D.

Designation: Associate Professor

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Experience-24 years

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Google Scholar Link:

https://scholar.google.com/citations?hl=en&user=aoD3AmEAAAAJ&sortby=pubdate&view_op=list_works&gmla=AOAOcb1ZowgnTx4IoYT2AzIaRPFjAWnTbZrMiayZnS0EhQTzP6--E8eTjhG-KnDUSNbBPpMm_cBxz0btwQ9bFUG4

Or

<https://scholar.google.com/citations?user=aoD3AmEAAAAJ&hl=en&oi=ao>

Research Gate Link: <https://www.researchgate.net/profile/Mahesh-Patil-42>

Portfolio at college level:

1. Program Coordinator, Department of Robotics and Automation.

Conferences: 06

1. International conference on Total Engineering Analysis & Manufacturing Technologies, TEAM TECH-2008, J.N. Tata Auditorium, IISc, Bangalore on 22-24 September, 2008.
2. International Conference on Recent advances in Mechanical Engineering (ICRAME-2015) G H Raison College of Engg. & Management Pune on 26-28 February, 2015.
3. National level conference on recent trends in Manufacturing at KIT's College of Engineering, Kolhapur on 7-8 Jan.2006.
4. National conference on Computer Applications in Manufacturing Processes at Sinhgad Institute of Technology, Lonawala on 13th and 14th March 2008.
5. 2nd National Conference Trendz in Mechanical Engineering (TIME-2010) at Poona District Education Association's A. G. Awate College of Engineering, Hadapsar, Pune-411028. (Maharashtra) on 5-7, March 2010.
6. National Conference on Recent Trends in Engineering & Technology, NCRTET-2018 at Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of Engineering, Satara on 20th and 21st February 2018.

Publications:

1. Patil M.J. et al, "Leveraging real-time data: A location-based ambulance booking and tracking system with geofencing" *Journal of Integrated Science and Technology*, Volume 13, Issue 2, 2025, Article number 1039, DOI: 10.62110/sciencein.jist.2025.v13.1039, ISSN: 23214635 (**Scopus**).
2. Patil M.J. et al, "Improvement of thermal performance through nanofluids in industrial applications: A review on technical aspects", *Materials Today: Proceedings* (Elsevier) <https://doi.org/10.1016/j.matpr.2024.04.083>, ISSN: 2214-7853, (**Scopus**)
3. Patil M.J. et al, "Electrospun composite nanofibers for wound healing: synthesis, characterization, and clinical potential of biopolymer-based materials", *Discover Materials*, Volume 4, Issue 1 December 2024 Article number 99. DOI: 10.1007/s43939-024-00173-8, ISSN: 27307727 (**Scopus**).
4. Patil M.J. et al, "An experimental investigation of photo chemical machining process for stainless-steel material by using different etchants", *Materials Today: Proceedings* (Elsevier) <https://doi.org/10.1016/j.matpr.2023.03.324> (2023) ISSN: 2214-7853 (**Scopus**)
5. Patil M.J. et al, "Implementation of Lean Six Sigma in Indian Small and Medium Scale Industries", *International Journal of Engineering Sciences & Research Technology*, November, 30, 2020 (IJESRT), ISSN: 2277-9655.

6. Patil M.J. et al, "The Strength Analysis of Hybrid (Bolted and Bonded) Single Lap joints for Composite Materials", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue-12, October 2019 **(Scopus)**.
7. Patil M.J. et al, "Failure Evaluation of Hybrid Joints using Taguchi Method", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019, **(Scopus)**.
8. Patil M.J. et al, "Load Distribution in Hybrid (Adhesive & Bolted) Joint", International Journal of Science, Engineering and Technology Research (IJSETR), Volume 5, Issue 6 ,June 2016, ISSN:2278 –7798.
9. Patil M.J. et al, "A Parametric Study of Hybrid (Adhesive and Bolted) Single Lap Joints", International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 5, May – 2014, ISSN: 2278-0181
10. Patil M.J. et al, "Vibration Analysis of a Cracked Shaft", International Journal of Advance Engineering technology, E-ISSN 0976-3945
11. Patil M.J. et al, "Hybrid (Bonded/Bolted) Composite single-Lap Joints and its load transfer Analysis", International Journal of Advance Engineering technology, Vol.III/ Issue I/January-March, 2012/213-216, E-ISSN 0976-3945.