

Dr. Nagaraj P M

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Education

	Degree	Year	Institute	Specialization
1	Ph. D.	17/04/2023	PSG College of Technology	Composite Materials
2	M. Tech.	01/10/2009	University B.D.T. College of Engineering	Machine Design
3	B. E.	03/04/2003	Bapuji Institute of Engineering and Technology	Mechanical Engineering

Professional Experience

Sl. No.	Date (from-to)	Designation	Organization
1	22/08/2012-Till Date	Assistant Professor	Siddaganga Institute of Technology
2	17/10/2011-31/05/2012	Assistant Professor (Temporary)	Siddaganga Institute of Technology
3	06/08/2009-15/10/2011	Lecture	Vemana Institute of Technology
4	12/12/2005-31/03/2007	Lecture	CMR Institute of Technology
5	01/06/2005-10/12/2005	Lecture	HEA Polytechnic
6	03/06/2004-12/01/2005	Design Engineer	Fire-Pro System Pvt. LTD.

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

- Project coordinator
- Timetable and Contineo coordinator
- Test coordinator
- NAAC and ISO coordinator

Affiliations of Professional organizations

- Associate Member, The Indian Institute of Engineers(India)

Awards and Honors

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Courses Taught

Undergraduate Courses

- Design of Machine Elements
- Theory of Machines
- Strength of Materials
- Financial Management and Costing
- Project Management
- Dynamics of Machines
- Mechanical Vibrations
- Machine Drawing
- Engineering Graphics
- Industrial Product Design
- Material Science and Metallurgy
- Operations Research
- Management and Entrepreneurship
- Metrology and Measurements
- Samskruthika Kannada
- Innovation and Design Thinking

Postgraduate Courses

- Finite Element Method
- Industrial Robotics
- Research Methodology

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
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Research Areas

- Characterization of Polymer and Metal matrix composites
- Finite Element Analysis of structures
- Design of Mechanisms
- Nano Composites

Journals

- Pujar, N. M., & Mani, Y. (2022). Development and Characterization of Pigeon Pea Stalk Fiber Reinforced Polylactic Acid Sustainable Composites. *Journal of Natural Fibers*, 19(17), 1–16. <https://doi.org/10.1080/15440478.2022.2131684>
- Pujar, N. M., & Mani, Y. (2022). Development and Experimental Investigation of Pigeon Pea Stalk Particle Reinforced Epoxy Composites and their Hybrid Composites for Lightweight Structural Applications. *Materials Research*, 25, e20220173 (1–13). <https://doi.org/10.1590/1980-5373-MR-2022-0173>
- Pujar, N. M., Mani, Y., & Mouleeswaran, S. (2022). Experimental investigation on three-body abrasive wear behaviour of novel natural cellulosic pigeon pea stalk fibre reinforced epoxy biocomposites. In *Materials Research Express* 9 (8), pp. 085501. <http://iopscience.iop.org/article/10.1088/2053-1591/ac85a0>.
- M. Manoj, T. S. Nandini, and P. M. Nagaraj (2024), “Aluminum Extrusion Profile Light Sections Die Failure Analysis and its Preventive Measures,” *Gongcheng Kexue Yu Jishu/Advanced Engineering Science*, vol. 55, no. 07, pp. 3891–3905, 2023.
- Pujar, N. M., Kumar, S., Rajashekhara, K., Yadav, M., Madaiah, D. C., Bheemraj, Dharanish, J., & Chandra, N. S. (2025). An Experimental Investigation on Mechanical and Two Body Abrasive Wear Characteristics of Lignocellulosic Fiber Reinforced Polylactic Acid Sustainable Composites. *Journal of Mines, Metals and Fuels*, 73(8), 2277–2289. <https://doi.org/10.18311/jmmf/2025/49004>
- Kumar, S., Yadwad, A. M., Talikoti, B. S., Maiya, M., Shivaramakrishna, Beeranu, R., & Pujar, N. M. (2025). An experimental study on two-body dry sliding wear characteristics of rice straw particle filled polylactic acid composites. *Materials Research Express*, 12(11), 115306. <https://doi.org/10.1088/2053-1591/ae1889>
- B. Latha Shankar, P.M. Nagaraj, K.C. Anil, Optimization of Wear Behaviour of AA8011-Gr Composite using Taguchi Technique, *Materials Today: Proceedings*, Volume 4, Issue 10, 2017, Pages 10739-10745, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2017.08.021>.
- Goutham R Srinivasa Prasad K R, Nagaraj PM, Babagowda, Design and development of Hybrid 3D printer Extruder for Fused Deposition Modelling Printer, *International Journal of Electronics, Electrical and Computational System IJEECS*, Academic Science, vol. 6, Issue 8, 2017, pages. 276-285.
- Nagaraj P.M, Bindu S , S.K Verma, Analysis of Notch Sensitivity Factor for SS420 and SS431 Over EN24, *International Journal of Mechanical Engineering and Technology (IJMET)*, vol. 5, Issue 9, 2014, pages 109-114.

Conference Proceedings

- C. E. Megharaj, P. M. Nagaraj, and K. J. Pasha, “Design and Analysis of a Forging Die for Manufacturing of Multiple Connecting Rods,” *IOP Conference Series: Materials*

Science and Engineering, vol. 149, no. 1, p. 12145, Sep. 2016, doi: 10.1088/1757-899X/149/1/012145.

- D. Srinivas, R. S. Kadadevaramath, B. Latha Shankar, P. M. Nagaraj, J. Bhaskaran, and D. G. Mallapur, “Optimization of Machinability Parameters of A11100-B4C Composites using Taguchi Method,” *Materials Today: Proceedings*, vol. 4, no. 10, pp. 11305–11313, 2017, doi: <https://doi.org/10.1016/j.matpr.2017.09.055>.
- T. R. Veena, R. S. Kadadevaramath, P. M. Nagaraj, and S. V Madhusudhan, “Design and Fabrication of Automatic Glass Cutting Machine,” *IOP Conference Series: Materials Science and Engineering*, vol. 149, no. 1, p. 12144, Sep. 2016, doi: 10.1088/1757-899X/149/1/012144.
- H. K. Channabasavaraja, P. M. Nagaraj, and D. Srinivasan, “Determination of Optimum Cutting Parameters for Surface Roughness in Turning AL-B4C Composites,” *IOP Conference Series: Materials Science and Engineering*, vol. 149, no. 1, p. 12029, Sep. 2016, doi: 10.1088/1757-899X/149/1/012029.
- P M Nagaraj, “An Experimental Investigation on the Fabrication of Coil Springs”, International Conference AMMMT-2013, S.I.T, Tumkur
- P M Nagaraj, “Investigation on Manufacturing of Glass Fiber helical springs” National conference on manufacturing: vision for future, 2014, IIT, Guwahati.
- Nagaraj Malleshappa Pujar, Santosh Kumar, Divakar H N, Ravikumar Beeranur, Bheemraj, Latha B M, Shivashankara: Low-Velocity Impact Characterization of Wood Particle Filled Jute and Glass Hybrid Epoxy Composites, International Conference on Sustainable Technology -2025, National Institute of Engineering, Mysuru, India.
- Abdul Budan, P.M. Nagaraj and T.S. Manjunath, Analysis of glass fiber reinforced composite coil springs, International Conference on Frontiers in Mechanical Engineering – FIME 2010, Dept of Mech Engg, NITK, Surathkal, 2010, pages 50-57.
- Abdul Budan, P.M. Nagaraj and T.S. Manjunath, Fabrication and testing of composite helical spring, Proceedings of National conference on Recent trends in mechanical engineering, Dept of Mechanical. Engg., Vemana Institute of Technology, 2009, pages 86-92.

Reviewer of Journals

- Interactions, Springer Nature Snapp
- Scientific Reports, , Springer Nature Snapp
- *Journal of Mines, Metals and Fuels*
- EVERGREEN - Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy

Invited Lectures, talks and workshops

- Technical Talk on “*The Significance of Bio composites for present Generation*” on 25th July-2024 at 11:00 AM, Department of Mechanical Engineering, AIEMS-Bangalore in associate with Department of Civil Engineering AIEMS- Bangalore

Amruta Institute of Engineering and Management Sciences, Bidadi, Bengaluru - 562109.

- Technical Talk on “*A mechanical Engineer’s Guide to Product Development*” on 21st November-2025 at 11:00 AM, Department of Mechanical Engineering, AIEMS- Bangalore in associate with Department of Mechanical Engineering AIEMS- Bangalore Amruta Institute of Engineering and Management Sciences, Bidadi, Bengaluru - 562109.

Workshops

- Six Sigma Black Belt
- Data Analysis and Statistical Software
- Robot Training with IRC5 Controller
- Mission 10X
- Use of ICT in Education for Online and Blended Learning
- Improvement Culture building through people involvement