

FACULTY PROFILE



Dr. Jeevan T.P.

Associate Professor

Department of Mechanical Engineering

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Education Qualification

Ph.D. in Mechanical Engineering, Visvesvaraya Technological University, Karnataka, India,

M. Tech in Computational Analysis in Mechanical Sciences, Visvesvaraya Technological University, Karnataka, India,

B.E. in Mechanical Engineering, Visvesvaraya Technological University, Karnataka, India,



Professional Experience

2020 – Till date	Associate Professor , Malnad College of Engineering, Hassan, Karnataka, India.
2013 – 2020	Assistant Professor , Malnad College of Engineering, Hassan, Karnataka, India.
2011 – 2013	Lecturer , Malnad College of Engineering, Hassan, Karnataka, India.



Academic Identity

Orcid Id	0000-0003-3477-4816
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Researcher Id	AAD-1055-2020
Google Scholar Id	qVhjbTcAAAAJ
Microsoft Academic Search Id	2803913064



Expertise / Areas of Interest

Manufacturing Engineering

Bio-Lubricants

Composite materials

Research Projects

- **“Evaluation of Mechanical and Machining Characteristics of Natural Fiber Reinforced Epoxy Syntactic Foams”** funded by AICTE under Research Promotion Scheme (RPS), 2021-22 of Rs. 14,67,000.
- **“Experimental investigation on Machining performance of cutting fluids derived from blended non edible vegetable oil”** funded by Vision Group on Science and Technology, Government of Karnataka, 2020-21, of Rs. 3,00,000.

Research Publications

International Journals

- **“A Review on the Fabrication and Mechanical Characterization of Fibrous Composites for Engineering Applications”**, 252, MDPI. <https://doi.org/10.3390/jcs7060252>.
- **“Effect of wood filler on the mechanical and thermal behavior of polypropylene/short glass/short carbon fiber-reinforced hybrid composites”** Journal of the Brazilian Society of Mechanical Sciences and Engineering, Volume 44, 2022. <https://doi.org/10.1007/s40430-022-03573-0>.
- **“Machinability of AA6061 aluminum alloy and AISI 304L stainless steel using nonedible vegetable oils applied as minimum quantity lubrication”** Journal of the Brazilian Society of Mechanical Sciences and Engineering, Volume 43, 2021. DOI : <http://dx.doi.org/10.1007/s40430-021-02885-x>
- **“Machinability studies on boron carbide and graphite reinforced aluminium hybrid composites”** Materials Today: Proceedings, 2021. DOI: <https://doi.org/10.1016/j.matpr.2021.04.036>
- **"Studies on Tribological and Metal Forming Performance of Vegetable Oil-Based Lubricants."** In Advances in Materials and Manufacturing Engineering, pp. 265-271. Springer, Singapore, 2020. DOI: [10.1007/978-981-15-1307-7_29](https://doi.org/10.1007/978-981-15-1307-7_29)
- **Prediction of Surface Roughness and Coefficient of Friction using Artificial Neural Network in Tribotesting of Bio-Lubricants**, Applied Mechanics and Materials (Volume 895), 2019. DOI: [10.4028/www.scientific.net/AMM.895.52](https://doi.org/10.4028/www.scientific.net/AMM.895.52).
- **Tribological study of vegetable oil-based lubricants – A review**. Applied Mechanics and Materials (Volume 895), 2019. DOI: [10.4028/www.scientific.net/AMM.895.212](https://doi.org/10.4028/www.scientific.net/AMM.895.212).
- **"Experimental investigation on the performance of Vegetable oil based cutting fluids in drilling AISI 304L using Taguchi technique"**, Tribology Online, Vol. 13, No. 2, 2018, DOI: [10.2474/trol.13.50](https://doi.org/10.2474/trol.13.50).
- **“Performance Evaluation of Jatropha and Pongamia Oil Based Environmentally Friendly Cutting Fluids for Turning AA 6061”**, Advances in Tribology, Volume 2018, Article ID 2425619, DOI: [10.1155/2018/2425619](https://doi.org/10.1155/2018/2425619).
- **"Tribological properties and machining performance of vegetable oil-based metalworking fluids—A Review"** Modern Mechanical Engineering, 8, 42-65, 2018. DOI: [10.4236/mme.2018.81004](https://doi.org/10.4236/mme.2018.81004).
- **"Non-traditional Machining Processes in Bio-medical Applications - A Review"** Manufacturing Science and Technology 5(3): 43-48, 2017. DOI: [10.13189/mst.2017.050302](https://doi.org/10.13189/mst.2017.050302).
- **“Modification of Abrasive Wear Testing Machine and testing of Materials”** International Journal of Science and Research (IJSR) ISSN Volume 3, October 2014.
- **“Stress Analysis of 2D-Cylindrical Pressure Vessel with Torispherical Enclosure”** SAE International, March 2014. DOI: [10.4271/2014-01-0766](https://doi.org/10.4271/2014-01-0766).
- **“Finite element modeling for the stress, buckling and modal analysis of a cylindrical pressure vessel with torispherical enclosure”** IJERT, Volume 2, Issue 6, June- 2013.

Book Chapters

- **“3D Printing of Crystalline Polymers”**, Polymer Crystallization: Methods, Characterization and Applications, 233-254, Wiley.
- **“Containers with Lubricating Agents for Friction and Wear”**, Micro-and Nano-containers for Smart Applications, 243-263, Springer, Singapore

International / National Conference

- **“Determination of SIF for a crack emanating from a central hole in a rotating disc”**, National Conference on Topical Transcend in Mechanical Technology (TTMT-2013) SJBIT Bangalore.
- **“Statistical and Regression Analysis of Cutting Force and Surface Roughness under Vegetable Based Cutting Fluids on Turning AISI 304L”**, Proceedings of National Tribology Conference (NTC-2014), McGraw-Hill Education, 2014, ISBN-10:1308421540.
- **“Experimental Investigation on the Performance of Vegetable Based Cutting Fluids in Drilling AISI 304”**, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS- 2016), Jaipur National University, Jaipur, India.
- **“Current Research Trends of Non-Traditional Machining processes in Bio-medical applications - A review”**, 4th National Conference on Topical Transcend in Mechanical Technology, 2016, SJBIT, Bangalore.
- **"Finite Element Analysis of Multi-Leaf springs from GFRP Composite material"**, International Conference on Advances in Mechanical Sciences, (ICAMS- 2017), M.C.E., Hassan.
- **“Tribological study of vegetable oil-based lubricants – A review”**, Green Trends in Mechanical Engineering Sciences, 2018, M.C.E., Hassan.
- **“Prediction of Surface Roughness and Coefficient of Friction using Artificial Neural Network in Tribotesting of Bio-Lubricants”**, Green Trends in Mechanical Engineering Sciences, 2018, M.C.E., Hassan.
- **“Studies on tribological and metal forming performance of vegetable oil-based lubricants”**, International Conference on Advances in Materials and Manufacturing Engineering - 2019: KIIT, Bhubaneswar, India.

Award & Recognition

- Recipient of International Nanotribology Forum (INF) travel grants to attend nanotribology meeting held at Chiang Rai, Thailand, from January 13-17th 2020.

Reviewer for Journals

- International Journal of Ambient Energy.
- Tribology in Industry.
- Asian Journal of Applied Chemistry Research.
- Science Publishing Group.
- Research script International Journals.

Membership in Technical Societies

- Tribology Society of India (TSI)
- Indian Society for Technical Education (MISTE).
- Institution of Engineers (India) (IEI).
- International Society for Development and Sustainability (ISDS).
- International Society for Research and Development (ISRD).
- International Association of Engineers (IAENG).