Curriculum Vitae

Dr. Sharath B.N

B.E., M.Tech., Ph. D.

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91-9738201801

Kalparuksha nilaya, III Main, 13th Cross, Hassan, Karnataka, India.

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Areas of Interest

- Tribology
- Material Science
- Manufacturing Process
- Engineering Drawing

Technical Skills

- Minitab
- Solid Works
- ANSYS
- Artificial Neural Network

Education

2022 **Ph.D. in Mechanical Engineering**
Malnad College of Engineering, Hassan, Karnataka, India.

2015 **M. Tech in Production Engineering & Systems Technology**
UBDT College of Engineering, Davangere, Karnataka, India.

2013 **B.E. in Mechanical Engineering**
NDRK Institute of Technology, Hassan, Karnataka, India.

Experience

2015 – Till Date
Assistant Professor
Malnad College of Engineering, Hassan, Karnataka, India.

Work Profile

- Guided, led, and mentored students in project works
- Participated in departmental and college activities
- Assessed, reviewed, and evaluated student performance and progress
- Worked as Timetable & Exam coordinator
- Developed manual of Laboratory
- Worked with the department for achieving accreditation from national board of accreditation (NBA)

Award & Recognition

- **II Rank** in M. Tech (PEST) in VTU Belagavi

Research Publications

International Journals

- **Sharath BN**, Venkatesh CV, et. al "**Multi Ceramic Particles Inclusion in the Aluminium Matrix and Wear Characterization through Experimental and Response Surface-Artificial Neural Networks".** Materials. 2021 Jan;14(11):2895. https://doi.org/10.3390/ma14112895. [**SCIE]**
- **Sharath BN**, and Venkatesh C V. 2021. **"Study On Effect of Boron Carbide, Aluminium Oxide and Graphite on Dry Sliding Wear Behaviour of Aluminium Based Metal Matrix Composite at Different Temperature**". Tribologia - Finnish Journal of Tribology 38 (1−2):35−46. https://doi.org/10.30678/fjt.9993. **[Scopus Index]**
- **Sharath BN,** Venkatesh CV et. al "**Study on effect of ceramics on dry sliding wear behaviour of Al-Cu-Mg based metal matrix composite at different temperature".** Materials Today: Proceedings. 2021. https://doi.org/10.1016/j.matpr.2021.04.034. **[Scopus Index].**
- **Sharath BN,** Jeevan TP, et. al. "**Machinability studies on boron carbide and graphite reinforced aluminium hybrid composites"**. Materials Today: Proceedings. 2021 Apr 23. https://doi.org/10.1016/j.matpr.2021.04.036. **[Scopus Index].**
- **Sharath, B.N.**, Madhu, K.S. and Venkatesh, C.V., 2019. "**Experimental Study on Dry Sliding Wear Behaviour of Al-B_4C-Gr Metal Matrix Composite at Different Temperatures"**. J. Applied Mechanics and Materials, 895, pp. 96-101. https://doi.org/10.4028/www.scientific.net/AMM.895.96
- Pradeep DG, **Sharath BN**, Madhu KS, Karthik S, Venkatesh CV. "**Investigating the adhesion strength of electrodeposited Ni-Al_2O_3 nano composite on Al-2618 substrate by using the scratch test technique".** Materials Today: Proceedings. 2021 Dec 1. https://doi.org/10.1016/j.matpr.2021.11.336. **[Scopus Index]**
- Pradeep DG, Nithin HS, **Sharath BN**, Madhu KS, Venkatesh CV. "**Microstructure and Wear Behavior of Microwave Treated WC-10Co-4Cr Composite Coating on AISI 4140 Alloy Steel"**. In IOP Conference Series: Materials Science and Engineering 2021 Oct 1 (Vol. 1189, No. 1, p. 012012). IOP Publishing. https://doi.org/10.1088/1757-899X/1189/1/012012. **[Scopus Index]**
- Madhu KS, **Sharath BN**, Venkatesh CV, Pradeep DG. "**Evaluation of Mechanical Properties of Ceramic Reinforced Aluminium-7029 Hybrid Composite"**. In IOP Conference Series: Materials Science and Engineering 2021 Oct 1 (Vol. 1189, No. 1, p. 012019). IOP Publishing. https://doi.org/10.1088/1757-899X/1189/1/012019 **[Scopus Index]**
- Chikkegouda SP, Gurudath B, **Sharath BN**, Karthik S, Mahale RS "Mechanical and Tribological Characteristics of Aluminium 2618 Matrix Composite Reinforced with Boron Carbide." Bio interface Research in Applied Chemistry 2021. Volume 12, Issue 4, 2022, 4544 – 4556. https://doi.org/10.33263/BRIAC124.45444556 **[Scopus Index**
- **Sharath BN,** Madhu KS, Pradeep DG, Venkatesh CV. "Tribological Suitability of aluminium hybrid composite above atmospheric temperature". In IOP Conference Series: Materials Science and Engineering 2021 Oct 1 (Vol. 1189, No. 1, p. 012018). IOP Publishing. https://doi.org/10.1088/1757-899X/1189/1/012018 **[Scopus Index]**
- Pradeep DG, **Sharath BN**, "**Study on scratch behavior of Ni-Al_2O_3 coating composition on Al-2219 substrate by electro deposited technique".** Materials Today: Proceedings. 2021 May 4. https://doi.org/10.1016/j.matpr.2021.04.033**. [Scopus Index]**
- Madhu, K. S., C. V. Venkatesh, **B. N. Sharath,** and S. Karthik**. "Effect of Boron Carbide on wear resistance of graphite containing Al7029 Based Hybrid Composites and its Dry Sliding Wear Characterization Through Experimental, Response Surface Method and ANOVA."** Tribologia-Finnish Journal of Tribology 38, no. 3− 4 (2021): 48-60.https://doi.org/10.30678/fjt.111905 **[Scopus Index]**

International / National Conference

- **Sharath, B.N.,** Madhu, K.S. and Venkatesh, C.V., "**Tribological suitability of aluminium hybrid composite above atmospheric temperature.**"- International conference on Trends in Mechanical Engineering Sciences." MCE Hassan
- Madhu, K.S., **Sharath, B.N**. and Venkatesh, C.V. **"Evaluation of Mechanical Properties of Ceramic Reinforced Aluminium-7029 Hybrid Composite**".- International conference on Trends in Mechanical Engineering Sciences." MCE Hassan.
- **Sharath B N*,** Karthik S, Pradeep D G, Madhu K S, C V Venkatesh **"Machinability studies on boron carbide and graphite reinforced Al7029 based hybrid composites"** Second International Conference on Materials, Design and Manufacturing for Sustainable Environment (ICMDMSE 2022) with a Theme focusing on Digital Solutions for Sustainable Earth in collaboration with UCSI University of Malaysia during the month of March 11-12, 2022.

Reviewer for Journals

- Reviewer in Journal of Asian Ceramic Societies-**Tylor & Francis online**
- Reviewer in Surface Topography: Metrology and Properties -**IOP science**

Online certification Courses / FDP

- Attended **Twenty-Five** Faculty Development Programs till date organized inside/outside the institution.
- Completed **One** NPTEL/SWYAM Online certification course.

I hereby declare that all the above information is true to the best of my knowledge.

(Sharath B N)