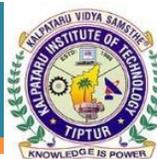


# FACULTY PROFILE



**NAME:** Dr. MALLIKARJUNA G B

**Designation:** Assistant Professor

**Department of Mechanical Engineering**

<b>Date of Joining:</b>	<b>01-08-2012</b>
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<b>Length of Professional Experience:</b>	<b>13 Years</b>
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## Personal and Contact Details

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Google Scholar: [https://scholar.google.com/citations?user=0n\\_wqEAAAAAJ&hl=en](https://scholar.google.com/citations?user=0n_wqEAAAAAJ&hl=en)

Research: **Composite Materials (Metal Matrix Composites)**

## Academic Details

Ph.D (Metal Matrix Composites), Jawaharlal Nehru New College of Engineering, Shivamogga, VTU, Belagavi, Karnataka, 2023

M. Tech (MS&E), Siddaganga Institute of Technology, Tumkur, VTU, Belagavi, Karnataka, 2012

B. E (ME), Adichunchanagiri Institute of Technology, Chikmagalur, VTU, Belagavi, Karnataka, 2010

## Research and Article Publications

Mallikarjuna G B, et al, "Preparation and Property Evaluation of Al-Silica Composite by Casting Route", International Journal of Mechanical Engineering and Robotics Research (IJMERR), ISSN 2278 - 0149, Vol. 1, No. 3, October 2012. Page no.118-124.

Mallikarjuna G B, E. Basavaraj, "Wear and Mechanical Property Evaluation of Aluminium-Silica Composites", Indian Journal of Advances in Chemical Science, Page No. 275-278, 2016.

Mallikarjuna G B, E. Basavaraj, "Development and Characterization Silica Particulate Reinforced Aluminium Metal Matrix Composites", Global Journal Of Engineering Science And Researches, ISSN 2348 - 8034, Page no.70-74, 2017.

Mallikarjuna G B, et al, "Design and Fabrication of Multipurpose Agricultural Equipment", International Journal of Advances in Scientific Research and Engg. (IJASRE), E-ISSN: 2454-8006, vol.3 Aug. 2017.

Mallikarjuna G B, E. Basavaraj, "Preparation and Characterization of Aluminium-Silica Metal Matrix Composite", American Institute of Physics, AIP Conference Proceedings 1943, 020105 (2018); doi: 10.1063/1.5029681.

Mallikarjuna G B, E. Basavaraj, "Studies on Mechanical Properties of Al LM13-Al<sub>2</sub>O<sub>3</sub> Composites", Journal of Engineering Research and Application (IJERA), ISSN: 2248-9622, PP 32-35.

Mallikarjuna G B, E. Basavaraj, "Preparation and Investigation of Aluminium-Alumina Metal Matrix Composite", International Research Journal of Engineering And Technology (IRJET), Volume: 07, Special Issue June 2020.

Mallikarjuna G B, E. Basavaraj, "Tensile and Impact behaviour of Al-Silica Metal Matrix Composites", International Journal of Scientific & Engineering Research Volume 12, Issue 2, February-2021.

Mallikarjuna G B, E. Basavaraj, "Effect of Silica on Sliding Wear Behaviour of Reinforced Aluminium Alloy Based Composites", JNNCE Journal of Engineering & Management, Volume 6, No.2, ISSN 2582-0079, July -December 2022.

Mallikarjuna G B, E. Basavaraj, "Preparation and Mechanical Properties Evaluation of Aluminium-Alumina Metal Matrix Composite", International Journal of Scientific Research inScience, Engineering and Technology, ISSN : 2394-4099, Volume 9, Issue 9 - Page No : 121-127, March 15, 2022.

### Conference

Presented paper on "Studies on Mechanical property evaluation of Al LM13-Silica composite" National level Technical paper presentation held at Nagarjuna College of Engineering and Technology, Bangalore on 12th May 2012.

Presented paper on "Design and fabrication of flywheel tricycle for handicaps" National level Technical paper presentation held at Sri Krishna College of Engineering and Technology, Bangalore on 2013.

Presented paper on "Development of portable micro refrigeration system using peltier effect or medical applications" National level Technical paper presentation held at Sri Krishna College of Engineering and Technology, Bangalore on 2015.

Presented paper on "Mechanical and Tribological Characterization of Aluminium Metal Matrix Composites" held at RVCE, Bengaluru (ICSEM-2016).

Presented paper on "Fabrication and Characterization of Aluminium-Silica Metal Matrix Composite Using Stir Casting Technique", held at REVA University, Bengaluru (ICRTMCE-2017).

Presented paper on "Preparation and Characterization of Aluminium-Silica Composites using Stir Casting Technique", held at JSSTI, Mysuru 15th to 16th Sept. 2017 (Polycon-2017).

Presented paper on "Investigation on Sliding Wear Behaviour of Aluminium-Silica Composites", ICMAT-20 at SJCE Mysuru on 16th to 18th January 2020.

Presented Paper on "Effect of Different Particle Size Alumina on Impact and Wear Behaviour of Aluminium Alloy Composites", ICAET2023 organized by GCE, K R Pete, Mandya, on 12th and 13th , April 2023.

Presented Paper on "Investigation on Wear and Mechanical properties of Aluminium Alloy LM13 Hybrid Composite", ICoNSEM'24 organized by Mahaguru Institute of Technology, Kattachira, Alappuzha, Kerala from 22nd to 24th March, 2024.

## Achievements

### FACULTY DEVELOPMENT PROGRAMS

6 Days FDP on Advanced Materials for Defence and Aerospace Applications, Department of Mechanical Engineering, Ballari Institute of Technology and Management, Ballari, Karnataka, India, 27-01-2025 to 01-02-2025, 2025.

6 Days FDP(ATAL) on Importance of Artificial Intelligence in Robotics at Indian Institute of Information Technology Design and Manufacturing Kurnool from 20/01/2025 to 25/01/2025, 2025

6 Days FDP(ATAL) on Digital Manufacturing & Design Technology at Panimalar Engineering College from 09/12/2024 to 14/12/2024, 2024.

Participation in the Pre-conference webinar (online) entitled "Manufacturing Wonders of Biomaterials" organized by Centre for Research Impact and Outcome, Chitkara University, Punjab, India on 25<sup>th</sup> November, 2024.

Participation in the Pre-conference webinar (online) entitled "Sustainable Manufacturing: Leveraging Additive Technologies and Materials to Meet SDGs" organized by Centre for Research Impact and Outcome, Chitkara University, Punjab, India on 30<sup>th</sup> September 2024.

Project entitled "Multi-Purpose and Eco-Friendly Vehicle for Institute Campus Visits for Divyang Persons and Senior Citizens", selected for KSCST: 48<sup>th</sup> Series Student project Programme (SPP) 2024-2025.

### NPTEL COURSES

12 Week NPTEL SWAYAM online course on "Metal Additive Manufacturing", JUL-OCT 2024

## Professional Membership

Life Member, MISTE, New Delhi, LM96720, 2014



(Dr. Mallikarjuna G B)