Faculty Profile:

Name: Dr. Manjunath Vatnalmath

Designation: Assistant Professor

Experience: 10 years

- **Assistant Professor**
  RNSIT, Bengaluru (18 August 2025- Present)
- **Research Scholar**
  Siddaganga Institute of Technology, Tumakuru (01 Jan 2022 to 02 Aug 2025)
- **Research Assistant**
  Siddaganga Institute of Technology, Tumakuru- (06 March to 31 Dec 2021)
- **Assistant Professor**
  HMS Institute of Technology, Tumakuru- (01 Aug 2016 to 04 March 2020)
- **Junior Manager**
  JSW Steel, Bellary- (14 Jan 2013 to 02 May 2014)

Qualification:

- **B.E. -** Siddaganga Institute of Technology, Tumakuru
- **M.Tech-** GEC, Haveri
- **Ph.D.-** Siddaganga Institute of Technology, Tumakuru, VTU, Belagavi, Karnataka

Specializations (Academic):

- **B.E-** Mechanical Engineering
- **M.Tech-** Machine Design

Specializations (Research):

- Solid-state and TLP diffusion bonding of Aluminium, Titanium, Copper and Steel alloys

Metal Matrix Composites (MMCs)

· Al2014/Al2618/Al6061- Al2O3, B4C and ZrO2 composites

· Tribological Behaviour of MMCs

Friction Stir Welding of Aluminium alloys

· Optimization of FSW process parameters such as Tool rotation speed, welding speed, Tool geometry, and angle.

Publications:

- https://scholar.google.com/citations?user=15SR4HAAAAAJ&hl=en
- https://orcid.org/0000-0003-3138-9453
- https://www.scopus.com/authid/detail.uri?authorId=58104938800

Awards Received

- **BEST PAPER AWARD - "Microstructural Evolution in Non-Vacuum Solid State Diffusion Bonded Joints of AA2219"** in the 4th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING (ICAME 2022), organised by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India during March 24-26, 2022.