# Name: Dr. Manjunath Vatnalmath

## Designation: Assistant Professor

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## Experience (Teaching and Industry)

**Assistant Professor**
- RNSIT, Bengaluru (18th Aug 2025- Present)

**Research Scholar**
- Siddaganga Institute of Technology, Tumakuru (1st Jan 2022 to 2nd Aug 2025)

**Research Assistant**
- Siddaganga Institute of Technology, Tumakuru- (06th March to 31st Dec 2021)

**Assistant Professor**
- HMS Institute of Technology, Tumakuru- (01st Aug 2016 to 04th March 2020)

**Junior Manager**
- JSW Steel, Bellary- (14th Jan 2013 to 02nd May 2014)

## Qualifications:
- **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) :

### Diffusion Bonding

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

### Metal Matrix Composites (MMCs)

- Al2014/Al2618/Al6061- $Al_2O_3$, $B_4C$ and $ZrO_2$ 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:

Peer reviewed Scopus Index Journals- **13**
International Conferences-**3**

https://scholar.google.com/citations?user=X03zyj8AAAAJ&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**.