



Centre for Materials and Manufacturing

Dr. Arun Prasad. M

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Dr. Arun Prasad. M is currently working as Associate Professor in the Department of Mechanical Engineering at Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, India; with addition responsibility of SERB – TARE Fellow at Centre for Automotive Energy Materials, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), IIT Madras Research Park, Chennai, India under the mentorship of Dr. D. Sivaprahasam (Scientist – F). Previously, I was a Research Fellow in the Department of Mechanical and Aerospace Engineering, Oklahoma State University, Stillwater, USA. Basically my research focus is in the field of processing of high temperature materials and their mechanical behaviour from a metallurgical point of view to enhance the service life of the materials. During my decade spanned career I worked in state of art laboratories for processing and testing of materials in ARCI-Chennai, IIT-Madras, PSG Tech Coimbatore and Anna University Chennai. I was awarded ASM Student Research Recognition Award for best PhD thesis for the year 2021. I was also awarded SERB-TARE fellow by Department of Science and Technology, Government of India. I am life members in professional bodies namely The Indian Institute of Metals, The Indian Society for Technical Education, The Institution of Engineers (India), Electron Microscope Society of India, American Society of Metals and Powder Metallurgy Society of India. I have published 40 peer reviewed journals as on date.

Looking for PhD students to work in the following areas

- Ferrous and Non-Ferrous Materials
- Thermal Energy Storage
- Powder Metallurgy
- Metallic Foams
- Composite Materials
- Additive Manufacturing
- Tribology of Materials

Facilities available

- ✓ Vacuum Hot Pressing – 12 ton
- ✓ SEM-EDS; TGA; Data logger for thermal studies
- ✓ Metallographic Testing Facilities – In house
- ✓ 3D – Printing facilities – In house
- ✓ Other necessary facilities for research activities

Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Publication in SCI-indexed high impact journals
- National and International collaborations