

Faculty Profile



Name: Dr. SRINIVASA RAO TADIVAKA

Designation: Associate Professor

Teaching Areas: Engineering Materials and Metallurgy, Welding Processes, Operations Research, Production and Operations Management, and Management Principles

Research Interests: Friction Stir Welding, Characterization of Welds, Mechanical and Corrosion properties of welded joints, and Selective Laser Melting of IN 718 and Ti-6Al-4V

Education: Ph.D from Anna University, Chennai in 2016
M.E from Anna University, Chennai in 2004
B.Tech from JNTU, Hyderabad in 2001

Professional Experience (Total: 14 Years)

1. Jan 2019-till date: Associate Professor, Dept. of Mech. Engg., FST, IFHE, Hyderabad
2. Jan 2018-Jan 2019: Post-doctoral researcher, Department of MME, IIT Madras, Chennai
3. Jun 2016-Jan 2018: Professor, KITS, Guntur
4. Nov 2015-May 2016: Professor, ACE Engineering College, Ghatkesar, Hyderabad
5. Feb 2011-Oct 2015: Asst. Professor/Sr. Asst. Professor, Tagore Engg. College, Chennai
6. Jun 2004-Feb 2011: Lecturer-Assoc. Prof., TEC, CRRCOE, SMCE, and UCET, Guntur

Research / Selected Publications:

1. **T. Srinivasa Rao**, G. Madhusudhan Reddy, G. Srinivasa Rao and S. R. Koteswara Rao, "Studies on salt fog corrosion behavior of friction stir welded AA7075-T651 aluminum alloy", **International Journal of Materials Research**, Vol. 105, No. 4, 2014, pp. 375-385.
2. **T. Srinivasa Rao**, G. Madhusudhan Reddy and S. R. Koteswara Rao, "Microstructure and mechanical properties of friction stir welded AA7075-T651 aluminum alloy thick plates", **Transactions of Nonferrous Metals Society of China**, Vol. 25, No. 6, 2015, pp. 1770-1778.
3. **T. Srinivasa Rao**, G. Madhusudhan Reddy and S. R. Koteswara Rao, "Studies on variations in microstructure and hardness of AA7075-T651 aluminum alloy friction stir welds", **Metallurgia Italiana**. Vol. 108, No. 1, 2016, pp. 29-35.
4. **T. Srinivasa Rao**, G. Madhusudhan Reddy and S. R. Koteswara Rao, "Investigation on variations in hardness and microstructure of in-process cooled 7075 aluminum alloy friction stir welds", **Materials Testing**. Vol. 59, No. 2, 2017, pp. 155-160.
5. **T. Srinivasa Rao**, S. R. Koteswara Rao, and G. Madhusudhan Reddy, "Friction stir welding of thick section Al-Zn-Mg-Cu aluminum alloy", **Materials Science and Engineering Technology**. Vol. 49, No. 7, 2018, pp. 851-858.