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### **Overview :-**

Dr. Venkatakrishna A Working as an Assistant Professor in the Department of Mechanical at SRMIST, Ramapuram. He Graduated in Mechanical Engineering at Sakthi engineering college, Thiruninravur, Chennai, under Anna university, Tamilnadu, India. He secured Master of Engineering in Engineering design in MNM jain engineering College under Anna University, Chennai, India. He obtained Ph.D. in the field of Welding and metallurgy at Sri Siva Subramaniya nadar(SSN) college of Engineering under Anna University, Chennai, India. He has combinedly carried out his research in Indira gandhi centre of atomic research(IGCAR) kalpakkam, india and published few research articles along with scientific officers during his Ph.D tenure. He has a research experience of 6 years and currently he in teaching profession with an past experience for 1 year 7 months. He has presented number of papers in National and International Journals and Conferences.

### **Areas of Research:**

Materials, Autogenous welding, Indentation creep and Additive manufacturing.

### **Selected Publications:**

#### **Web of Science/SCI**

1. **Venkatakrishna, A**, Lakshminarayanan, AK, Vasantharaja, P, & Vasudevan, M., (2022). Unraveling the microstructure – indentation creep resistance relationships for friction stir welded Modified 9Cr1Mo steel and LN type 316 stainless steel dissimilar joints. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and applications. (Clarivate/SCIE Impact Factor: 2.663) Q2. <https://doi.org/10.1177/14644207221148658>
2. **Venkatakrishna, A**, Lakshminarayanan, AK, Vasantharaja, P, & Vasudevan, M., (2021). Decisive impact of Filler - free joining processes on the Microstructural evolution, tensile and impact properties of 9Cr1MoVNb to 316L(N) dissimilar joints. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science. Vol 236(5), pp. 2408–2427. (Clarivate/SCIE Impact Factor: 1.762) Q2. <https://doi.org/10.1177/09544062211029307>
3. **Venkatakrishna, A.**, Lakshminarayanan, A. K., Radhika, K., & Rajasekaran, R. (2020). Characterizing the tensile deformation behavior of friction stir welded dissimilar joints using

- acoustic emission technique. Lecture Notes in Mechanical Engineering, 767–778. Q4 (Scopus).  
[https://doi.org/10.1007/978-981-15-4745-4\\_68](https://doi.org/10.1007/978-981-15-4745-4_68)
4. Rajasekaran, R., Lakshminarayanan, A. K., **Venkatakrishna, A.**, & Radhika, K. (2020). Study of infrared thermography on tensile behavior of laser beam welded 316LN austenitic stainless steel. Lecture Notes in Mechanical Engineering, 779–787. Q4 (Scopus).  
[https://doi.org/10.1007/978-981-15-4745-4\\_69](https://doi.org/10.1007/978-981-15-4745-4_69)
  5. **Venkatakrishna,A.**, Lakshminarayanan,A.K., Menaka,M.,(2019) Analysis of Tensile Deformation Behavior in Friction Stir Welded P91-316LN Dissimilar Joints Using Infrared Thermography. Materials science forum, Vol 979, pp.114-118. Q3(Scopus).  
<https://doi.org/10.4028/www.scientific.net/MSF.979.114>
  6. Arul Nicholas, T., **Venkatakrishna, A.**, Joy, N., & Mariadhas, A. (2019). Performance and emission analysis on diesel engine fuelled with neat pongamia biodiesel. International Journal of Ambient Energy, Vol 43(1), pp. 21–27. (Clarivate / ESCI) Q2.  
<https://doi.org/10.1080/01430750.2019.1630315>
  7. **Venkatakrishna.A.**, and Rameshudhayakumar.A., (2015). Comparison of MRR with different electrodes using EDM in Al6061/Sicp composite. International Journal of applied engineering research, Special issue, Vol 10 (57), pp.388-393. (Scopus upto 2017).  
<https://www.ripublication.com/Volume/ijaerv10n57spl.htm>
  8. Chandramohan,P., Rameshudhayakumar.A., and **Venkatakrishna.A** (2015). Modelling and analysis Of Al6061/Sicp specimen using sink EDM Process. International Journal of applied engineering research, Vol 10 (42), pp.30934-30940. (Scopus upto 2017).  
<https://www.ripublication.com/Volume/ijaerv10n42spl.htm>

**Professional Bodies:**

**Member – IAENG**

**Google Scholar:**

<https://scholar.google.com/citations?user=505wpx4AAAAJ&hl=en>

**LinkedIn:**

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