

Faculty Profile



Name: Dr. SYED QUADIR MOINUDDIN

Designation: Assistant Professor

Teaching Areas: Manufacturing Science- I & II, CAD/CAM, Additive Manufacturing, Advance Material Joining Process.

Research Interests: Advanced Manufacturing, Advanced Materials Joining Methods, Additive Manufacturing, Arc Physics, Welding Metallurgy.

Education:

1. PhD, Indian Institute of Technology Hyderabad, 2018
2. M.Tech, Amrita Viswaha Vidyapeetham, Coimbatore, 2011
3. B.E, B.S.A Crescent Engineering College, Tamil Nadu, 2009

Professional Experience:

- 1 Dec 2018 – present : Assistant Professor, IFHE, ICFAI University, Hyderabad, Telangana.
- 2 Sept 2018 – Nov 2018 : Project Assistant, IIT Hyderabad, Telangana.
- 3 July 2012 – Aug 2018 : Research Scholar, IIT Hyderabad, Telangana.
- 4 July 2015 – Aug 2015 : Research Intern, JWRI, Osaka University, Japan.
- 5 Jan 2012 – April 2012 : Senior Research Fellow, IIT Kharagpur, West Bengal.
- 6 Sept 2010 – April 2011 : Project Student, WRI, BHEL, Tiruchirappalli, Tamil Nadu.

Research / Selected Publications:

Book Chapter

- [1] **Moinuddin, S.Q.**, and Sharma, A. (2018): "Multiple-wire welding in GMAW and SAW", Advances in Welding Technologies for Process Development, CRC press, Taylor and Francis publications.

Journal Articles

- [2] **Moinuddin, S.Q.**, and Sharma, A. (2015): "Arc stability and its impact on weld properties and microstructure in anti-phase synchronized twin-wire Gas Metal Arc welding", *MaterialandDesign*, 67, 293-302. (<https://doi.org/10.1016/j.matdes.2014.11.052>).
- [3] **Moinuddin, S.Q.**, Kapil, A., Kohama, K., Sharma, A., Ito, K. and Tanaka, M. (2016): "On process-structure-property interconnection in anti-phase synchronized twin-wire GMAW of low carbon steel", *Science and Technology of Welding and Joining*, 2015, 21(6), 452-459. (<https://doi.org/10.1080/13621718.2015.1124960>).
- [4] **Moinuddin, S.Q.**, and Sharma, A. (2017): "Arc behavior study using welding current module and its impact on residual stresses and weld bead in ant-phase synchronized twin-wire gas metal arc welding process, *Indian Welding Journal*.

Conference Proceedings

- [5] **Moinuddin, S.Q.**, and Sharma, A. (2016): "Melting Efficiency in Anti-Phase Synchronized Twin-wire Gas Metal Arc Welding, the 10th International Conference on Trends in Welding Research and 9th Japan Welding Society (9WS), Hitotsubashi Hall, Tokyo, Japan. (ISBN:9781510844032)
- [6] **Moinuddin, S.Q.**, Kumar, M., Kumar, S., and Sharma, A. (2016): "Assessment of twin-wire GMAW as a candidate for large scale arc based Additive manufacturing, the 10th International Conference on Trends in Welding Research and 9th Japan Welding Society (9WS), Hitotsubashi Hall, Tokyo, Japan.
- [7] **Moinuddin, S.Q.**, and Sharma, A. (2017): "Arc behavior study using welding current module and its impact on residual stresses and weld bead in ant-phase synchronized twin-wire gas metal arc welding process, International Congress – 2017 (IC-2017) of International Institute of welding, Chennai Trade Centre Nandambakkam, Chennai, India.