

## ACADEMIC CONTRIBUTION

The following is a list of the outcomes that have been published / submitted / presented during the period of the doctoral study:

### JOURNAL PAPER

- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Effect of process parameters on corrosion resistance of AA 6101 T6 Al Alloys welded by Friction stir welding” *Int. Journal of Advance Engineering and Research Development*, Vol. 4, issue 9, September 2017, 580-586.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Understanding the Fixture Design for friction stir welding research experiments” *Elsevier - Materials Today Proceedings*, Vol. 4, Issue 2PA, April 2017, 1277-1284.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, V. V. Mathane, “Study of Pitting Corrosion Behavior of FSW weldments of AA6101- T6 Aluminium Alloy” *Int. Journal of Engineering Research and Applications*, Vol. 5, Issue 9 (Part -1) September 2015, 38-44.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Effect of Tool Design and Process Variables on Mechanical Properties and Microstructure of AA6101-T6 Alloy Welded by Friction Stir Welding” *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, 2013, 30-35.
- B. R. Rana, **L. V. Kamble**, S. N. Soman, V. V. Mathane, “To Study the effect of welding speed on mechanical properties of friction stir welding of Aluminum alloy” *Journal of Information, Knowledge and Research in Mechanical Engineering*, Volume-02, Issue- 02, (2012-13) 417- 423.

## CONFERENCE / SYMPOSIUM PAPER

- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Development of Bobbin Tool for Friction Stir Butt Welding of Aluminium alloys – a feasibility study”, *4<sup>th</sup> International conference and Exhibition on Mechanical & Aerospace Engineering, Oct 03-04, 2016, Orlando, USA.* (Accepted for Oral presentation) copy of letter attached.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Design and Fabrication of Bobbin Tool for Friction Stir Butt Welding of Aluminium alloys - exploring the feasibility”, *11<sup>th</sup> International Symposium on FSW, 17-19 May, 2016 at TWI Ltd, Granta Park, Great Abington, Cambridge, United Kingdom* (Accepted for Oral presentation) copy of letter attached.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Effect of welding parameters on mechanical properties and microstructure of AA 6101 T6 Al Alloy using Bobbin Tool Friction Stir Welding process”, *11<sup>th</sup> International Symposium on FSW, 17-19 May, 2016 at TWI Ltd, Granta Park, Great Abington, Cambridge, United Kingdom* (Accepted for Poster presentation) copy of letter attached.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Understanding the Fixture Design for friction stir welding research experiments” *5<sup>th</sup> International Conference on Material Processing and Characterization” (ICMPC 2016)* 12-13 March 2016.
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, “Effect of Tool Design and Process Variables on Mechanical Properties and Microstructure of AA6101-T6 Alloy Welded by Friction Stir Welding” *Second National Conference on Recent Developments in Mechanical Engineering, M.E.Society's College of Engineering, Pune, India, 2013*
- **L. V. Kamble**, S. N. Soman, P. K. Brahmkar, V. V. Mathane, “Role of design and process parameters and heat treatment in improving corrosion resistance of

Aluminum alloys welded by FSW” *International Conference on Corrosion in Infrastructure and Chemical Industries (CICI 2012)* December 6-8, 2012, P021.

- **L. V. Kamble**, S. N. Soman, P. K. Brahmanekar, V. V. Mathane, “Design considerations in friction stir welding process- state of the art” *International Conference on Corrosion in Infrastructure and Chemical Industries (CICI 2012)* December 6-8, 2012, P023.

#### **SEMINARS/SHOWCASE/TALK**

- Talk on “Advances in Solid state welding”, *Seminar on Welding*, Metallurgical and Materials Engineering Department, The Maharaja Sayajirao University of Baroda, (Golden Jubilee Year 2015-16) 20/02/2016.