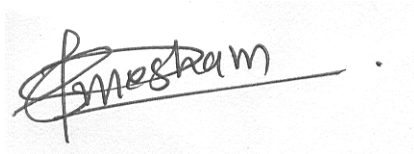



## Certificate

*This is to certify that the reported work in the paper entitled “**Influence of Tool Tilt Angle on Material Flow and Defect Generation in Friction Stir Welding of AA2219**” submitted for publication in the Defence Science Journal is an original one and has not been submitted for publication elsewhere. I/we further certify that proper citations to the previously reported work have been given and no data/tables/figures have been quoted verbatim from the other publications without giving due acknowledgement and without permission of the author(s). The consent of all the authors of this paper has been obtained for submitting the paper to Defence Science Journal.*

A handwritten signature in black ink, appearing to read 'Suresh D. Meshram', with a horizontal line extending to the right.

Suresh D. Meshram

A handwritten signature in black ink, appearing to read 'G. Madhusudhan Reddy', with a horizontal line extending to the right.

Dr. G. Madhusudhan Reddy