

Publications (International)

1. RKKSB R. Sundar, C. Sudha, A. K. Rai, P. Ganesh, Ashish Kolhatkar, S (2020), Effect of laser shock peening on the microstructure, tensile and heat transport properties of Alloy D9, Lasers in Manufacturing and Materials Processing 7, 259–277.
2. A. Kolhatkar, V. Karthik, G. Chaitanya, A. Kumar, and D. Ramchandran, (2019), Development and Validation of a Miniature Tensile Specimen for Determination of Mechanical Properties, Journal of Testing and Evaluation 47.
3. VV Jayaraj, S Thirunavukkarasu, V Anandaraj, BK Ojha, RV Kumar (2018), Evaluation of Fuel-Clad Chemical Interaction in PFBR MOX test fuel pins, Journal of Nuclear Materials 509, 94-101.
4. V Bhasin, K Sharma, PK Singh, KK Vaze, AK Ghosh, K Madhusoodanan, (2018), Round Robin Exercise on Ball Indentation Technique in India : Indian Nuclear Reactor Materials, Nuclear Engineering and Design 330, 303–316.
5. V Karthik, KV Kasiviswanathan, P Visweswaran, A Vijayaragavan, K Laha, (2018), Small Specimen Test Techniques for Evaluation of Tensile Flow Properties – Evolution and Developmental Activities at IGCAR, Kalpakkam, Nuclear Engineering and Design 330, 538-549.
6. M Kalayarasan, VP Raja, S Shankar, V Nithin, V Karthik (2017), Experimental and numerical investigations on plasma sprayed ceramic coatings with varying coating thickness, International Journal of Computational Materials Science and Surface.
7. V Karthik, KV Kasiviswanathan, B Raj, (2016), Miniaturized Testing of Engineering Materials, Taylor and Francis Group, CRC press.
8. TS Rishi Pamnani, V. Karthik, T. Jayakumar, M. Vasudevan, (2016) Evaluation of mechanical properties across micro alloyed HSLA steel weld joints using Automated Ball Indentation, Materials Science and Engineering: A 651, 214-223.