

## **Dr. Soundarapandian, S. - Journal Publications**

1. Yb: YAG laser welding of dual phase steel to aluminium alloy R Indhu, S Soundarapandian, L Vijayaraghavan Journal of Materials Processing Technology 262, 411-421,2018.
2. Overview of laser absorptivity measurement techniques for material processing R Indhu, V Vivek, L Sarathkumar, A Bharatish, S Soundarapandian Lasers in Manufacturing and Materials Processing 5 (4), 458-481,2018
3. Effect of freezing conditions on  $\beta$ -Tricalcium Phosphate/Camphene scaffold with micro sized particles fabricated by freeze casting G Singh, S Soundarapandian Journal of the Mechanical Behavior of Biomedical Materials 79, 189-194,2018
4. Fused Deposition Modelling based Printing of Full Complement Bearings U Harikrishnan, S Soundarapandian Procedia Manufacturing 26, 818-825,2018
5. Microstructure development in pulsed laser welding of dual phase steel to aluminium alloy R Indhu, S Divya, M Tak, S Soundarapandian Procedia Manufacturing 26, 495-502,2018
6. Microstructural evolution and its effect on joint strength during laser welding of dual phase steel to aluminium alloy R Indhu, M Tak, L Vijayaraghavan, S Soundarapandian Journal of Manufacturing Processes 58, 236-248,2020
7. Physiochemical characteristics: A robust tool to overcome teeth heterogeneity on predicting laser ablation profile S Loganathan, S Santhanakrishnan, R Bathe, M Arunachalam Journal of Biomedical Materials Research Part B: Applied Biomaterials 2020
8. Microstructural and mechanical properties of complex phase steel to aluminium alloy welded dissimilar joint R Indhu, M Tak, L Vijayaraghavan, S Soundarapandian Procedia Manufacturing 48, 267-272,2020
9. 3D Printing of Human Anatomical Models for Preoperative Surgical Planning V Paramasivam, G Singh, S Santhanakrishnan Procedia Manufacturing 48, 684-690 ,2020
10. Three-dimensional modelling of femur bone using various scanning systems for modelling of knee implant and virtual aid of surgical planning,V Sindhu, S Soundarapandian Measurement 141, 190-208 ,2019
11. Surface Metrological and Computer-Aided Designing of a Tibia Bone for Region-Specific Implants V Sindhu, S Soundarapandian,2019
12. Prediction of femtosecond laser ablation parameter on Human teeth using chemical compositional analysis S Loganathan, S Santhanakrishnan, R Bathe, M Arunachalam Procedia Manufacturing 34, 379-384 ,2019