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Publications:

- 1. **S. Santhanakrishnan**, F. Kong, and R. Kovacevic, An Experimentally-based Thermo-kinetic Hardening Model for High Power Direct Diode Laser Cladding, Journal of Materials Processing Technology, doi:10.1016/j.jmatprotec.2011.02.006.
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- 3. **S. Santhanakrishnan**, F. Kong, and R. Kovacevic, An Experimentally-based Thermo-kinetic Phase Transformation Model for Multi-pass Laser Heat Treatment by Using High Power Direct Diode Laser, International Journal of Advanced Manufacturing Technology, doi: 10.1007/s00170-012-4029-z.
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- 11. M. A. Marco, **S. Santhanakrishnan**, H. D. Vora, and N. B. Dahotre, Computational Modeling and Experimental Based Parametric Study of Multi-Track Laser Processing on Alumina, Optics &Laser Technology, http://dx.doi.org/10.1016/j.optlastec.2012.11.019.
- 12. M. A. Marco, **S. Santhanakrishnan**, H. D. Vora, S. R. Paital, and N. B. Dahotre, Laser Surface Modification of Alumina: Integrated Computational and Experimental Analysis, Ceramics International, http://dx.doi.org/10.1016/j.ceramint.2013.01.040.
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- 22. V Harish, **S Soundarapandian**, L Vijayaraghavan, A Bharatish, Evaluation of Wear on Macro-Surface Textures Generated by ns Fiber Laser, Lasers in Manufacturing and Materials Processing 5 (1) (2018), 71-80.
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- 24. A Bharatish, **S Soundarapandian**, Influence of Femtosecond Laser Parameters and environment on Surface Texture Characteristics of Metals and Non-Metals—State of the Art, Lasers in Manufacturing and Materials Processing, 5 (2), 2018, 1-25.

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- 26. Indhu R., **Soundarapandian S**, Vijayaraghavan L, Yb: YAG laser welding of dual phase steel to aluminium alloy, Journal of Materials Processing Technology, 262, 2018, 411-421.
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Patent:

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Magazines:

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