

## Dr.K.Shanmuga Sundaram

### Publications Details

- Raja, D. Bharath, **K. Shanmuga Sundaram**, and R. Vidya. "First principle study on hybrid organic-inorganic perovskite  $\text{ASnBr}_3$  (A= Formamidinium, Dimethylammonium and Azetidinium)." *Solar Energy* 207 (2020): 1348-1355.
- Pradeep, N., **K. Shanmuga Sundaram**, and M. Pradeep Kumar. "Performance investigation of variant polymer graphite electrodes used in electrochemical micromachining of ASTM A240 grade 304." *Materials and Manufacturing Processes* 35.1 (2020): 72-85.
- Pradeep, N., **K. Shanmuga Sundaram**, and M. Pradeep Kumar. "Multi-response optimization of electrochemical micromachining parameters for SS304 using polymer graphite electrode with  $\text{NaNO}_3$  electrolyte based on TOPSIS technique." *Journal of the Brazilian Society of Mechanical Sciences and Engineering* 41.8 (2019): 323.
- Gurusami, **K., Shanmuga Sundaram**, K., Chandramohan, D., Dinesh Kumar, S., Vasantha Srinivasan, P., & Sathish, T. (2019). A comparative study on surface strengthening characterisation and residual stresses of dental alloys using laser shock peening. *International Journal of Ambient Energy*, 1-6.
- Paranthaman, V., **K. Shanmuga Sundaram**, and A. Vinoth Jebaraj. "Analysis of structure property relationship of super duplex stainless steel AISI 2507 weldments for severe corrosive environments." *Materials Research Express* 5.9 (2018): 096527.
- Jaivignesh, M., A. Suresh Babu, S. Dhanalakshmi, and **K. Shanmuga Sundaram**. "Evaluation of Mechanical Properties of Al (2014)-Nickel Coated SiC Composites Subjected to Equal Channel Angular Pressing." *Journal of Advanced Microscopy Research* 13, no. 2 (2018): 282-292.
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- Sathishkumar, Dhanalakshmi, P. Sivakumar, **K. Shanmuga Sundaram**, and S. Anand. "Finite element analysis and experimental study on the effect of extrusion ratio during hot extrusion process of aluminium matrix composites." *Defence Science Journal* 67, no. 4 (2017): 428.
- **Shanmuga Sundaram**, Karibeeran, Gurusami Kiliyappan, and Senthil Kumaran Selvadurai. "The Influence of Laser Irradiation Parameters on Tribological Behaviour of Commercially Pure Titanium for Dental Prostheses." *ASME International Mechanical Engineering Congress and Exposition*. Vol. 50688. American Society of Mechanical Engineers, 2016.