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**List of publications last 5 year**

1. Gopi Krishna, M., C. Kailasanathan, and B. NagarajaGanesh. "Physico-chemical and Morphological Characterization of Cellulose Fibers Extracted from Sansevieria roxburghiana Schult. & Schult. F Leaves." *Journal of Natural Fibers* (2020): 1-17.
2. Karuppiah, Ganesan, Kailasanathan Chidambara Kuttalam, Murugesan Palaniappan, Carlo Santulli, and Sivasubramanian Palanisamy. "Multiobjective Optimization of Fabrication Parameters of Jute Fiber/Polyester Composites with Egg Shell Powder and Nanoclay Filler." *Molecules* 25, no. 23 (2020): 5579.
3. Saravanan, S. T., C. Kailasanathan, Elango Natarajan, and Anbarasan Ramasamy. "Crystallinity Change and Reduced Warpings on Thin Walled Parts-the Effect of Nano Fumed Silica on Polyacetal." *Silicon* (2020): 1-12.
4. Pungaiah, Sudalai Suresh, and Chidambara Kuttalam Kailasanathan. "Thermal Analysis and Optimization of Nano Coated Radiator Tubes Using Computational Fluid Dynamics and Taguchi Method." *Coatings* 10, no. 9 (2020): 804.
5. Vincent, V. Antony, C. Kailasanathan, V. K. Shanmuganathan, JV Sai Prasanna Kumar, and VR Arun Prakash. "Strength characterization of caryota urens fibre and aluminium 2024-T3 foil multi-stacking sequenced SiC-toughened epoxy structural composite." *Biomass Conversion and Biorefinery* (2020): 1-11.
6. Kaliappan, Nandagopal, and Kailasanathan Chidambarakuttalam. "Environment effect on microstructure properties of gas tungsten arc welding for titanium and aluminium alloy joints." (2020).
7. Rajkumar, P. R., C. Kailasanathan, A. Senthilkumar, N. Selvakumar, and A. JohnRajan. "Study on formability and strain hardening index: influence of particle size of boron carbide (B<sub>4</sub>C) in magnesium matrix composites fabricated by powder metallurgy technique." *Materials Research Express* 7, no. 1 (2020): 016597.
8. Chandrasekar, G., C. Kailasanathan, and M. Vasundara. "Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique." *Journal of Manufacturing Processes* 35 (2018): 466-478.
9. Pungaiya, S., and C. Kailasanathan. "A Review of Surface Coating Technology to Increase the Heat Transfer." *International Journal of Mechanical Engineering and Robotics Research* 7, no. 5 (2018).
10. Ganesan, K., C. Kailasanathan, M. R. Sanjay, P. Senthamaraikannan, and S. S. Saravanakumar. "A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites." *Journal of Natural Fibers* (2018).

11. Chandrasekar, G., C. Kailasanathan, and Dhanesh Kant Verma. "Investigation on un-peened and laser shock peened weldment of Inconel 600 fabricated by ATIG welding process." *Materials Science and Engineering: A* 690 (2017): 405-417.
12. Chandrasekar, G., C. Kailasanathan, Dhanesh Kant Verma, and K. Nandagopal. "Optimization of welding parameters, influence of activating flux and investigation on the mechanical and metallurgical properties of activated TIG weldments of AISI 316 L stainless steel." *Transactions of the Indian Institute of Metals* 70, no. 3 (2017): 671-684.
13. Nandagopal, K., C. Kailasanathan, and G. Chandrasekar. "Evaluation and optimization of joining parameters for dissimilar materials of titanium and aluminum alloys." *Advances in Natural and Applied Sciences* 11, no. 2 (2017): 1-7.
14. Vairamuthu, G., S. Sundarapandian, C. Kailasanathan, and B. Thangagiri. "Experimental investigation on the effects of cerium oxide nanoparticle on Calophyllum inophyllum (Punnai) biodiesel blended with diesel fuel in DI diesel engine modified by nozzle geometry." *Journal of the Energy Institute* 89, no. 4 (2016): 668-682.
15. Nandagopal, K., and C. Kailasanathan. "Analysis of mechanical properties and optimization of gas tungsten Arc welding (GTAW) parameters on dissimilar metal titanium (6Al4V) and aluminium 7075 by Taguchi and ANOVA techniques." *Journal of Alloys and Compounds* 682 (2016): 503-516.
16. Venkatram, B., C. Kailasanathan, P. Seenikannan, and S. Paramasamy. "Study on the evaluation of mechanical and thermal properties of natural sisal fiber/general polymer composites reinforced with nanoclay." *International Journal of Polymer Analysis and Characterization* 21, no. 7 (2016): 647-656.
17. Kailasanathan, C., and N. Selvakumar. "Influence of alumina reinforcement on nano-hydroxyapatite/biopolymer composite for biomedical applications." *International Journal of Polymer Analysis and Characterization* 21, no. 6 (2016): 554-562.
18. Sivakumar, S., P. Seenikannan, R. Anandakumar, and C. Kailasanathan. "Experimental Analysis of Solar Still using different Thermal Energy Storage Materials." *Asian Journal of Research in Social Sciences and Humanities* 6, no. 10 (2016): 1688-1702.
19. Nandagopal, K., C. Kailasanathan, and G. Chandrasekar. "Optimization of Fatigue Strength on Dissimilar Titanium and Aluminum Alloy Joints Using GTAW through Response Surface Methodology."
20. Kailasanathan, C., and T. Gangadharan. "Influence of bio inert Silica on mechanical properties and their dependence on porosity of nanocrystalline based hydroxyapatite/gelatin composites synthesized by coprecipitation method." *J Austral Ceram Soc* 52 (2016): 52-61.