

List of Publications

- 1) Crystallinity Change and Reduced Warpings on Thin Walled Parts-the Effect of Nano Fumed Silica on Polyacetal. ST Saravanan, **C Kailasanathan**, E Natarajan, A Ramasamy. Silicon, 1-12, 2020
- 2) Thermal Analysis and Optimization of Nano Coated Radiator Tubes Using Computational Fluid Dynamics and Taguchi Method. SSP **C Kailasanathan**. Coatings 10 (9), 804, 2020
- 3) Strength characterization of caryotaurens fibre and aluminium 2024-T3 foil multi-stacking sequenced SiC-toughened epoxy structural composite. VA Vincent, **C Kailasanathan**, VK Shanmuganathan, JVSP Kumar. Biomass Conversion and Biorefinery, 1-11, 2020
- 4) Modeling and fabrication of automatic blackboard dust remover. V Mohanavel, **C Kailasanathan**, T Sathish, V Kannadhasan, SVJ Marshal. Materials Today: Proceedings, 2020
- 5) Environment effect on microstructure properties of gas tungsten arc welding for titanium and aluminium alloy joints. **C Kailasanathan** N Kaliappan, K Chidambarakuttalam. Indian Journal of Engineering & Material Sciences 27 (June, 2020), 757 – 763, 2020
- 6) Study on formability and strain hardening index: influence of particle size of boron carbide (B₄C) in magnesium matrix composites fabricated by powder metallurgy technique. PR Rajkumar, **C Kailasanathan**, A Senthilkumar, N Selvakumar. Materials Research Express 7 (1), 016597, 2020
- 7) Design of a Nano Coated Heat Exchanger Working With Organic Nanofluids Using Hybrid Technique. SP **Kailasanathan C**. Transactions of the Canadian Society for Mechanical Engineering, 2020
- 8) A NOVAL COOLING SYSTEM FOR BUILDINGS USING PHASE CHANGE MATERIAL. SP Ganesan.K, **Kailasanathan.C**. LAP LAMBERT Academic Publishing 1, 33, 2020
- 9) Experimental Investigation on Surface morphology and Parametric Optimization of Ti- 6Al- 2Sn- 4Zr- 2Mo alpha-beta alloy through AWJM. GVPRR A.Perumal. A.Azhagurajan, S. Suresh Kumar, **C.Kailasanathan**. Tierärztliche Praxis 40 (1), 1681-1703, 2020
- 10) Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique. G Chandrasekar, **C Kailasanathan**, M Vasundara. Journal of Manufacturing Processes 35, 466-478, 2018
- 11) A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites. K Ganesan, **C Kailasanathan**, MR Sanjay, P Senthamaraiannan. Journal of Natural Fibers, 2018
- 12) A Review of Surface Coating Technology to Increase the Heat Transfer. SP **C.Kailasanathan**. International Journal of Mechanical Engineering and Robotics Research 7, 2018
- 13) Investigation on un-peened and laser shock peened weldment of Inconel 600 fabricated by ATIG welding process. G Chandrasekar, **C Kailasanathan**, DK Verma. Materials Science and Engineering: A 690, 405-417, 2017
- 14) Optimization of welding parameters, influence of activating flux and investigation on the mechanical and metallurgical properties of activated TIG weldments of AISI 316 L. G Chandrasekar, **C Kailasanathan**, DK Verma, K Nandagopal. Transactions of the Indian Institute of Metals 70 (3), 671-684, 2017
- 15) Evaluation and optimization of joining parameters for dissimilar materials of titanium and aluminum

alloys. K Nandagopal, **C Kailasanathan**, G Chandrasekar. Advances in Natural and Applied Sciences 11 (2), 1-7, 2017

- 16) Experimental investigation on the effects of cerium oxide nanoparticle on Calophyllum (Punnai) biodiesel blended with diesel fuel in DI diesel engine modified by. G Vairamuthu, S.Sundarapandian, **C Kailasanathan**, B Thangagiri. Journal of the Energy Institute 89 (4), 668-682, 2016
 - 17) Analysis of mechanical properties and optimization of gas tungsten Arc welding (GTAW) parameters on dissimilar metal titanium (6Alsingle bond4V) and aluminium 7075 by Taguchi. K Nandagopal, **C Kailasanathan**. Journal of Alloys and Compounds 682, 503-516, 2016
 - 18) Study on the evaluation of mechanical and thermal properties of natural sisal fiber/general polymer composites reinforced with nanoclay. B Venkatram, **C Kailasanathan**, P Seenikannan, S Paramasamy. International Journal of Polymer Analysis and Characterization 21 (7), 647-656, 2016
 - 19) Influence of alumina reinforcement on nano-hydroxyapatite/biopolymer composite for biomedical applications. **C Kailasanathan**, N Selvakumar. International Journal of Polymer Analysis and Characterization 21 (6), 554-562, 2016
 - 20) Experimental Investigation of Heat Transfer Rate for Automobiles Using Natural Preservatives. PS T. Ganesan, **C. Kailasanathan**, 2016
 - 21) THE INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLEDGE 4 (6), 38-48
- Experimental Analysis of Solar Still using different Thermal Energy Storage Materials. S Sivakumar, P Seenikannan, R Anandakumar, **C Kailasanathan**, 2016. Asian Journal of Research in Social Sciences and Humanities 6 (10), 1688-1702
- 22) Experimental Analysis of Solar Still using different Thermal Energy Storage Materials. **C Kailasanathan** S.Sivakumar, P.Seenikannan, R. Anandakumar. Asian Journal of Research in Social Sciences and Humanities 6 (10), 1688-1702, 2016
 - 23) Optimization of Fatigue Strength on Dissimilar Titanium and Aluminum Alloy Joints Using GTAW through Response Surface Methodology. CKG **C Kailasanathan**. Nandagopal. International Journal of Printing, Packaging & Allied Sciences, 4 (3), 2036-2045, 2016
 - 24) Influence of bio inert Silica on mechanical properties and their dependence on porosity of nanocrystalline based hydroxyapatite/gelatin composites synthesized **C Kailasanathan**, T Gangadharan J Austral Ceram Soc 52, 52-61, 2016
 - 25) Analysis of composite leaf spring enhanced with nanoparticles. K Ganesan, **C Kailasanathan**, Y Kumarasamy. Carbon-Science and Technology 7 (4), 34-42, 2015
 - 26) Static analysis of composite leaf spring using Naoclay. KY Ganesan.K, **Kailasanathan.C**. International Journal of Applied Engineering Research 10 (9), 8022-8026, 2015
 - 27) Performance Analysis Of Solar Still Using Cowdung Cakes Mixed With Coirpith. S.Sivakumar, P.Seenikannan,R.Anandakumar, **C.Kailasanathan**. International Journal of Applied Engineering Research 10 (19), 14445-14449, 2015
 - 28) Polymers Matrix Reinforced With Natural Fibers: A Study on Interfacial Behavior. **C.Kailasanathan** Antony Vincent V. International Journal of Applied Engineering Research 10 (28), 21994-2200, 2015
 - 29) Mechanical and Wear Properties of , Magnesium Matrix Reinforced with Boron carbide. IVA 17. P.R.Rajkumar, **C.Kailasanathan**, Chandru, A. Meeran @ Mohammed Ashif. International Journal of Applied Engineering Research 10 (28), 22116-22120, 2015
 - 30) Analysis Of Green Density, Sintered Density And Void Content Percentage Of Az91 D Magnesium Alloy- Fly Ash Composites Fabricated Using Powder Metallurgy Route. VB **C.Kailasanathan**,

G.Chandrasekar, BalasubramaniamNidhushan, K.Chenniyappan. International Journal of Applied Engineering Research, 10 (39), 29861-2986, 2015

- 31) Analysis of Composite Leaf Spring Enhanced With Nanoparticles. YK K. Ganesan, **C. Kailasanathan**. Carbon – Sci. Tech. 7 (4), 34-42, 2015
- 32) Investigation On The Effects Of Nanocerium Oxide On The Performance Of Calophylluminophyllum (Punnai) Biodiesel In A Di Diesel Engine. BT **C. Kailasanathan**, G. VairamuthuS. Sundarapandian, Journal of Chemical and Pharmaceutical Sciences 7 (7), 92, 2015