

Dr. G.ARUMAIKKANNU -List of Journal Publication

1. K Hariharan, M Sugavaneswaran, G Arumaikkannu, "Structural, Mechanical And Invitro Study On Pulsed Laser Deposition Of Hydroxyapatite On Additive Manufactured Substrate", (2016).
2. H Kuppuswamy, A Ganesan, "Structural, mechanical and in vitro studies on pulsed laser deposition of hydroxyapatite on additive manufactured polyamide substrate", International journal of Bioprinting , Vol. 2, Issue 2, (2016).
3. G Arumaikkannu, R Vijayanand, M Sugavaneswaran, "Experimental investigation on fracture resistance behavior of additivemanufacturedmultimaterial structure with corrugated interface", (2016).
4. KS Lakshmi, G Arumaikkannu, " COMPARATIVE STUDY OF SURFACE ROUGHNESS PREDICTION FOR SELECTIVE LASER SINTERING PROCESS USING MULTIPLE REGRESSION MODEL AND ARTIFICIAL NEURAL NETWORK", Int J Adv Engg Tech/Vol.VII/Issue II/April-June , Vol. 1326, pp. 1329 (2016).
5. N Sathishkumar, M Sugavaneswaran, G Arumaikkannu, " Investigation of sparse mode build style on material consumption, build time and compressive behaviour of additive manufactured cellular structures", 6th International & 27th All India Manufacturing Technology , (2016).
6. Alam M.S., Sugavaneswaran M., Arumaikkannu G., Mukherjee B., "An innovative method of ocular prosthesis fabrication by bio-CAD and rapid 3-D printing technology: A pilot study", Orbit, published by Taylor and Francis Ltd. Vol. 36, Issue 4, pp. 223-227 (2017).
7. KS Lakshmi, G Arumaikkannu, " Influence of process parameters on tensile strength of additive manufactured polymer parts using taguchi method", Advances in 3D Printing & Additive Manufacturing Technologies , published by Springer, Singapore. pp. 1-7 (2017).
8. K Hariharan, G Arumaikkannu, " Influence of Oxygen Partial Pressure on Hydroxyapatite Coating of Additive Manufactured Component by Pulsed Laser Deposition", Advances in 3D Printing & Additive Manufacturing Technologies , published by Springer, Singapore. pp. 55-64 (2017).
9. K Hariharan, G Arumaikkannu, "Hydroxyapatite Coating on Selective Laser Sinter Polyamide Substrate by Electron Beam Deposition.", Journal of Polymer Materials , Vol. 35, Issue 2, (2018).

10. Sugavaneswaran M., Arumaikkannu G., "Additive manufactured multi-material structure with directional specific mechanical properties based upon classical lamination theory", *Rapid Prototyping Journal*, published by Emerald Group Publishing Ltd.. Vol. 24, Issue 7, pp. 1212-1220 (2018).
11. Hariharan K., Arumaikkannu G., "Hydroxyapatite coating on selective laser sinter polyamide substrate by electron beam deposition", *Journal of Polymer Materials*, published by PRINTS PUBLICATIONS PVT LTD. Vol. 35, Issue 2, pp. 149-157 (2018).
12. Rajendra Boopathy V., Sriraman A., Arumaikkannu G., "Energy absorbing capability of additive manufactured multi-material honeycomb structure", *Rapid Prototyping Journal*, published by Emerald Group Publishing Ltd.. Vol. 25, Issue 3, pp. 623-629 (2019).
13. Prithvirajan R., Sugavaneswaran M., Sathishkumar N., Arumaikkannu G., "Metal bellow hydroforming using additive manufactured die: a case study", *Rapid Prototyping Journal*, published by Emerald Group Publishing Ltd.. (2019).
14. M Jaivignesh, AS Babu, G Arumaikkannu, " In-vitro Analysis of Titanium Cellular Structures Fabricated by Direct Metal Laser Sintering", *Materials Today: Proceedings* , published by Elsevier . Vol. 22, pp. 2372-2377 (2020).
15. R Prithvirajan, G Arumaikkannu, " Redesigning ECMM Fixture with Part Consolidation and DfAM Principles", *Advances in Additive Manufacturing and Joining* , published by Springer, Singapore. pp. 209-217 (2020).
16. K Hariharan, G Arumaikkannu, T Ramkumar, M Selvakumar, " Material stability investigation of polyamide material before and after laser sintering", *International Journal of Polymer Analysis and Characterization* , published by Taylor & Francis. pp. 1-8 (2020).
17. RV Duraibabu, R Prithvirajan, M Sugavaneswaran, G Arumaikkannu, "Compression behaviour of Functionally Graded Cellular Materials fabricated with FDM", *Materials Today: Proceedings* , published by springer. Vol. 24, pp. 1035-1041 (2020).