

Publications (Dr.M.Ananthasubramanian)

1. Kamarajan, Banu & Muthusamy, Ananthasubramanian. (2020). Survival strategy of *Pseudomonas aeruginosa* on the nanopillar topography of dragonfly (*Pantala flavescens*) wing. *AMB Express*. 10. 10.1186/s13568-020-01021-7.
2. Santhiya, K. & Soman, Jayanthi & Muthusamy, Ananthasubramanian & B, Appalaraju. (2020). Coexistence of Metallo Beta Lactamase resistant gene variants among clinical isolates in Tertiary care hospital. *Anti-Infective Agents*. 18. 10.2174/2211352518666200121144301.
3. Puri, Paridhi & Kumar, Vijay & Belgamwar, Sachin & Muthusamy, Ananthasubramanian & Sharma, N.N. (2019). Microfluidic platform for dielectrophoretic separation of bio-particles using serpentine microelectrodes. *Microsystem Technologies*. 25 (7) 2813-2820. DOI: 10.1007/s00542-018-4174-x
4. M Ramu, M Ananthasubramanian, T Kumaresan, R Gandhinathan. (2018). Optimization of the configuration of porous bone scaffolds made of Polyamide/Hydroxyapatite composites using Selective Laser Sintering for tissue engineering applications. *Bio-medical materials and engineering* 29 (6), 739-755.
5. Velu, Rajkumar & Kamarajan, Banu & Muthusamy, Ananthasubramanian & Ngo, Truc & Singamneni, Sarat. (2018). Post-process composition and biological responses of laser sintered PMMA and β -TCP composites. *Journal of Materials Research*. 33. 1-12. 10.1557/jmr.2018.76.
6. BP Kamarajan, R Murugan, A Muthusamy,. (2017). Evaluation of selective laser sintered polyamide/hydroxyapatite composite compositions–in vitro and in vivo. *Int J Biomed Res* 8, 467-474
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8. P Puri, V Kumar, M Ananthasubramanian, NN Sharma. (2017). Design, simulation and fabrication of MEMS based dielectrophoretic separator for bio-particles. *Microsystem Technologies* 23 (8), 3371-3379
9. T Kumaresan, R Gandhinathan, M Ramu, M Ananthasubramanian. (2016). Design, analysis and fabrication of polyamide/hydroxyapatite porous structured scaffold using selective laser sintering method for bio-medical applications. *Journal of mechanical science and technology* 30 (11), 5305-5312.
10. Kiruba, Angeline & Saranya, S & Muthusamy, Ananthasubramanian. (2016). Growth kinetics and stability assessment of siphoviridae like *Campylobacter* phages. *Journal of Chemical and Pharmaceutical Research*. 2016. 46-55.
11. Kamarajan, Banu & Thankappan, Saranya & Muthusamy, Ananthasubramanian. (2016). Relevance of Surface Asperities in Scheming Cellular Attachment to Minimize Biomaterial Associated Infections. *Trends in Biomaterials and Artificial Organs*. 29. 140-145.
12. T Kumaresan, R Gandhinathan, M Ramu, M Ananthasubramanian. (2015). Conceptual Design and Fabrication of Porous Structured Scaffold for Tissue Engineering Applications. *Biomedical Research*, 36.