



Dr. Mrityunjay Doddamani

Assistant Professor, Mechanical Engineering, Room # M306,
National Institute of Technology Karnataka (NITK), Surathkal
P.O. Srinivasanagar 575 025, Mangalore, D.K., Karnataka State, INDIA
Office - +91 824 2474000 Ext: 3678 Fax: +91 824 2474033
E-mail – mrdoddamani@nitk.edu.in

Area of Interest	Additive manufacturing of composites, 3D printing, Industrial scale manufacturing of syntactic foams, Mechanical characterization of composites (static and dynamic)
Patent	01 filed.
Sponsored projects	Additive Manufacturing of Composite, 33.03 lacs, 2016-19, Department of Science and Technology, Govt. of India
International Journals	31
International Conferences	30
Recent publications (Partial list)	
<ol style="list-style-type: none"> Siddappa I. Bekinal, Mrityunjay Doddamani and Nikhil D. Dravid, Utilization of Low Computational Cost Two Dimensional Analytical Equations in Optimization of Multi-layer Permanent Magnet Thrust Bearings, Progress In Electromagnetics Research M, 2017, Accepted. (PIER, 2.404) Kiran Shahapurkar, Carlos Garcia, Mrityunjay Doddamani, G C Mohan Kumar, Pavana Prabhakar, Compressive behavior of Cenosphere/Epoxy syntactic foams in Arctic Conditions, Composites Part B, 2018, Accepted. (Elsevier, 4.727) M. L. Jayavardhan, B. R. Bharath Kumar, Mrityunjay Doddamani, Ashish Singh, Steven Zeltmann, Nikhil Gupta, Development of glass microballoon/HDPE syntactic foams by compression molding, Composites Part B, 2017, 130, 119-131. (Elsevier, 4.727) Mahantayya Mathapati, Ramesh M R, Mrityunjay Doddamani, High Temperature Erosion Behavior of Plasma Sprayed NiCrAlY/WC-Co/Cenosphere Coating, Surface and Coatings Technology, 2017, 325, 98-106. (Elsevier, 2.589) Steven Eric Zeltmann, Keerthana A. Prakash, Mrityunjay Doddamani, Nikhil Gupta, Prediction of modulus at various strain rates from dynamic mechanical analysis data for polymer matrix composites, Composites Part B, 2017, 120, 27-34. (Elsevier, 4.727) Siddappa I. Bekinal, Mrityunjay Doddamani, Soumendu Jana. Optimization of Axially Magnetized Stack Structured Permanent Magnet Thrust Bearing Using Three-Dimensional Mathematical Model, ASME Journal of Tribology, 2017, 139, 1-9. (ASME, 1.521) Steven Eric Zeltmann, B. R. Bharath Kumar, Mrityunjay Doddamani, and Nikhil Gupta. Prediction of strain rate sensitivity of high density polyethylene using integral transform of dynamic mechanical analysis data, Polymer, 2016, 101, 1-6. (Elsevier, 3.684) B. R. Bharath Kumar, Steven Eric Zeltmann, Mrityunjay Doddamani, Nikhil Gupta, Uzma, S. Gurupadu, R. R. N. Sailaja. Effect of cenosphere surface treatment and blending method on the tensile properties of thermoplastic matrix syntactic foams, Journal of Applied Polymer Science, 2016, 133(35), 1-11, DOI: 10.1002/app.43881. (Wiley, 1.866) B. R. Bharath Kumar, Mrityunjay Doddamani, Steven E. Zeltmann, Nikhil Gupta, M. R. Ramesh, Seeram Ramakrishna. Processing of cenosphere/HDPE syntactic foams using an industrial scale polymer injection molding machine, Materials and Design, 2016, 92, 414-423. (Elsevier, 4.364) B. R. Bharath Kumar, Mrityunjay Doddamani, Steven E Zeltmann, Nikhil Gupta, Uzma, Gurupadu S, Sailaja R R N. Effect of surface treatment and blending method on flexural properties of injection molded cenosphere/HDPE syntactic foams, Journal of Materials Science, 2016, 51, 3793-3805. (Springer, 2.599) 	