

Last 5years publication list

1. RajeshKumar S and Manoharan Ramamoorthy (2020), Experimental and finite element vibration analysis of CNT reinforced MR elastomer sandwich beam, Mechanics Based Design of Structures and Machines, An International Journal, 24 Jun 2020, DOI: 10.1080/15397734.2020.1778487. Impact Factor: 2.16
2. RajeshKumar S and Manoharan Ramamoorthy (2020), Recent Developments in Semi-active Control of Magnetorheological Materials Based Sandwich Structures: A Review, Journal of Thermoplastic Composite Materials, 15 June 2020, DOI: 10.1177/0892705720930749. Impact Factor: 1.34
3. Rajeshkumar S and Manoharan Ramamoorthy (2020), Dynamic analysis of laminated composite sandwich beam containing carbon nanotubes reinforced magnetorheological elastomer, Journal of Sandwich Structures and Materials, 12 February 2020, DOI: 10.1177/1099636220905253. Impact Factor: 5.616
4. Mageshwaran Subramania , Rajeshkumar S and Manoharan Ramamoorthy (2020), Free vibration analysis of the MWCNT reinforced hybrid laminated composite sandwich beam, Materials Today: Proceedings 22 (2020) 3220–3225.
5. Sridharan Kannan and Manoharan Ramamoorthy (2020), Mechancial characterization and experimental modal analysis of 3D printed ABS, PC and PC -ABS materials, Materials Research Express, Volume 7, No.1, 27 January 2020. Impact Factor: 1.41
6. Mageshwaran Subramani and Manoharan Ramamoorthy (2020), Vibration analysis of the multi-walled carbon nanotube reinforced doubly curved laminated composite shallow shell panels: An experimental and numerical study, Journal of Sandwich Structures and Materials, 16 January 2020, DOI: 10.1177/1099636219900484. Impact Factor: 5.616
7. Mageshwaran Subramani and Manoharan Ramamoorthy (August 22, 2019), Vibration analysis of multiwalled carbon nanotube-reinforced composite shell: An experimental study, Polymers and Polymer Composites, DOI.org/10.1177/0967391119870406, pp. 1–10. Impact Factor: 0.77
8. Ananda Babu Arumugam, Manoharan Ramamoorthy, Vasudevan Rajamohan, Mageshwaran S and Rajesh Kumar S (2018), Dynamic characterization and parametric instability analysis of rotating magnetorheological fluid composite sandwich plate subjected to periodic in-plane loading, Journal of Sandwich Structures & Materials, 0(0) pp. 1–28. Impact Factor: 5.616
9. Mageshwaran S and Manoharan R (2018), A Numerical Investigation on Vibration Analysis of the Laminated Composite Sandwich Beam, International Journal of Pure and Applied Mathematics, Vol.118, No. 18 2018, 4139-4147. ISSN: 1311-8080 & 1314-3395
10. Kurhe Nikhil M., Shedbale Indrajeet B, Charapale Utkarsh D, Manoharan R, (2018) Modal Analysis of Hybrid Laminated Composite Sandwich Plate, Materials Today: Proceedings 5 (2018) 12453–12466.

11. Mageshwaran S, AnandBabu A, Manoharan R (2017), Vibration Analysis of Carbon Fiber Reinforced Laminated Composite Skin with Glass honeycomb Sandwich Beam using HSDT, Periodica Polytechnica Mechanical Engineering, Vol.61, No.3, 2017, pp.213-224, Impact Factor: 1.15
12. S Rajeshkumar and R Manoharan, (2017) Design and analysis of composite spur gears using finite element method, IOP Conf. Series: Materials Science and Engineering 263 (2017) 062048 doi:10.1088/1757-899X/263/6/062048.
13. Manoharan R, Vasudevan R and Edwin Sudhagar. G (2016), Semi-Active Vibration Control of Laminated Composite Sandwich Plate – An Experimental Study, Archive of Mechanical Engineering, Vol. LXIII, No.3, 2016, pp. 367-377. Impact Factor: 1.06
14. Manoharan R, Vasudevan R and Jeevanantham AK (2016) Vibration analysis of a partially treated laminated composite magnetorheological fluid sandwich plate, Journal of Vibration and Control, Vol.22 No.3, pp.869-895. Impact Factor: 2.80
15. Manoharan R, Vasudevan R and Jeevanantham AK (2015) Optimal layout of a partially treated laminated composite MR fluid sandwich plate, Journal of Smart Structures and Systems, Vol. 16, No. 6 (2015),pp. 1023-1047. Impact Factor: 3.82
16. Manoharan R (2015) , Experimental Investigation On Dynamic Characteristics Of Unidirectional And Woven Glass Fiber Laminated Composite Plates With And Without Cut-Outs, International Journal of Applied Engineering Research, ISSN, 0973-4562 Volume 10, Number 18 (2015) pp 38746-38752
17. Manoharan R, Shedbale Indrajeet B, Charapale Utkarsh D, Kurhe Nikhil M. (2015), Vibration analysis of laminated composite sandwich plate using finite element analysis, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.91 (2015).