



R Manoharan

Associate Professor, School of Mechanical Engineering,
VIT University

Mechanical Vibration
Smart Materials & Structures
Finite Element Analysis
Mechanics of Composites

GET MY OWN PROFILE

	All	Since 2016
Citations	157	130
h-index	7	6
i10-index	4	3

TITLE	CITED BY	YEAR
Dynamic characterization of a laminated composite magnetorheological fluid sandwich plate R Manoharan, R Vasudevan, AK Jeevanantham Smart Materials and Structures 23 (2), 025022	46	2014
Vibration analysis of a partially treated laminated composite magnetorheological fluid sandwich plate M Ramamoorthy, V Rajamohan, J AK Journal of Vibration and Control 22 (3), 869-895	39	2016
Dynamic characterization of non-homogeneous magnetorheological fluids based multi-layer beam V Rajamohan, M Ramamoorthy Applied Mechanics and Materials 110, 105-112	18	2012
Stress and load-displacement analysis of fiber reinforced composite laminates with a circular hole under compressive load R Manoharan, AK Jeevanantham ARPN Journal of Engineering and Applied Sciences 6 (4), 64-74	14	2011
Semi-active vibration control of laminated composite sandwich plate-an experimental study R Manoharan, R Vasudevan, PE Sudhagar Archive of Mechanical Engineering 63 (3)	8	2016
Modal analysis of hybrid laminated composite sandwich plate MK Nikhil, BS Indrajeet, DC Utkarsh, R Manoharan Materials Today: Proceedings 5 (5), 12453-12466	7	2018
Vibration analysis of carbon fiber reinforced laminated composite skin with glass honeycomb sandwich beam using HSDT M Subramani, AB Arumugam, M Ramamoorthy Periodica Polytechnica Mechanical Engineering 61 (3), 213-224	7	2017
Dynamic characterization and parametric instability analysis of rotating magnetorheological fluid composite sandwich plate subjected to periodic in-plane loading AB Arumugam, M Ramamoorthy, V Rajamohan Journal of Sandwich Structures & Materials 21 (6), 2099-2126	5	2019

TITLE	CITED BY	YEAR
Optimal layout of a partially treated laminated composite magnetorheological fluid sandwich plate R Manoharan, R Vasudevan, AK Jeevanantham Smart Structures and Systems 16 (6), 1023-1047	5	2015
Vibration analysis of multiwalled carbon nanotube-reinforced composite shell: An experimental study M Subramani, M Ramamoorthy Polymers and Polymer Composites 28 (4), 223-232	3	2020
Dynamic analysis of laminated composite sandwich beam containing carbon nanotubes reinforced magnetorheological elastomer R Selvaraj, M Ramamoorthy Journal of Sandwich Structures & Materials, 1099636220905253	3	2020
Recent developments in semi-active control of magnetorheological materials-based sandwich structures: A review R Selvaraj, M Ramamoorthy Journal of Thermoplastic Composite Materials, 0892705720930749	1	2020
Free vibration analysis of the MWCNT reinforced hybrid laminated composite sandwich beam M Subramani, S Rajeshkumar, M Ramamoorthy Materials Today: Proceedings 22, 3220-3225	1	2020
Mechanical characterization and vibrational analysis of 3D printed PETG and PETG reinforced with short carbon fiber S Kannan, M Ramamoorthy, E Sudhagar, B Gunji AIP Conference Proceedings 2270 (1), 030004		2020
Experimental and finite element vibration analysis of CNT reinforced MR elastomer sandwich beam R Selvaraj, M Ramamoorthy Mechanics Based Design of Structures and Machines, 1-13		2020
Mechanical characterization and experimental modal analysis of 3D Printed ABS, PC and PC-ABS materials S Kannan, M Ramamoorthy Materials Research Express 7 (1), 015341		2020
Vibration analysis of the multi-walled carbon nanotube reinforced doubly curved laminated composite shallow shell panels: An experimental and numerical study M Subramani, M Ramamoorthy Journal of Sandwich Structures & Materials, 1099636219900484		2020
MATERIALS TODAY: PROCEEDINGS A Jaggesar, P Yarlagadda, T Qiu, T Tefamichael, T Li, A Purohit, ... Studies 12909, 12919		2018

TITLE	CITED BY	YEAR
A Numerical Investigation on Vibration Analysis of the Laminated Composite Sandwich Beam MR Mageshwaran S International Journal of Pure and Applied Mathematics 118 (No. 18), 4139-4147		2018
Vibration analysis of laminated composite sandwich plate using finite element analysis KNM Manoharan R, Shedbale Indrajeet B, Charapale Utkarsh D International Journal of Applied Engineering Research 10 (91), 102-111		2015