4421-1057

Indian Journal of

MECHANICS STRUCTURAL

Volume 10 Number 1 January-June 2020

56





INDIAN JOURNAL OF MECHANICS STRUCTURAL

VOLUME 10 NUMBER 1 JANUARY-JUNE 2020

CONTENTS

1.	Design of Mems Biosensor for Detection of Cholera and Diarrhea	T. Mounika and K. Srinivasa Rao	1-6
2.	Design, Simulation and Analysis of Mems Based Bulk Acoustic Wave Resonator	M.V. Mounika and K. Srinivasa Rao	7-16
3.	The Refined theory of Thermoelastic Beams Posting Inside Winkler foundation	Min-zhong Wang, Yang-Gao & Bao-Sheng Zhao	17-22
4.	The Surface Instability of A Graded Thin Film Induced By Interaction with A Rigid Contactor	Gan-Yun Huang & Shou-Wen Yu	23-34
5.	Large Deflection of Annular Sandwich Plates	Ren-huai Liu	35-46
6.	Design of Mems Bio-sensor for Glucose Measurement	Jasti Sateesh, G R K Prasad & K. Srinivasa Rao	47-53
7.	Piezoresistive Cantilever Based Mems Bio-sensor	B. Ashok Kumar and K. Srinivasa Rao	55-62
8.	Generalized Hamilton Variational Principles for Non-linear Analyses of Beam-Column Structures	Yuan-Yuan Zhu & Chang-Jun Cheng	63-72
9.	Meso-failure Mechanism of Rock under Thermal-mechanical Coupling Effects	Heping Xie Jianping Zuo, Hongwei Zhou Yang Ju & Xiaojun Wu	73-83
10.	Chong Cycle, Durability Issues and Accelerated Tests of Bridge Coatings	Shuang-Ling Chong &	85-95

