


Brief CV

Name	Debabrata Gayen	Gender	Male	
Title (Pro./Dr.)	Dr.	Country	India	
Phone Number	N.A.	Email		
University/ Department	Indian Institute of Technology Bombay, Department of Mechanical Engineering			
Personal Web Sites	N.A.			
Research Area	<ul style="list-style-type: none"> ⇒ Modelling and analysis of structures/systems made of functionally graded materials (FGMs) and composite materials (CMs). ⇒ Vibration of cracked beams, shafts, rotors, turbine blades and pipes made of FGMs. ⇒ Rotor dynamical system (stability, dynamics and control) ⇒ Crack detection and identification of structures made of FGMs and CMs ⇒ Wave propagation in sandwich structures ⇒ Mechanics of shear transformation zones in MGs using DFT/LAMMPS 			
<p>Brief introduction of your research experience: Dr. Debabrata Gayen is currently working as Post-Doctoral Fellow in Department of Mechanical Engineering, Indian Institute of Technology Bombay, India. He received his PhD degree from Indian Institute of Technology Guwahati, India in the year 2019. He has six years research experiences, published around 8 referred research articles and 1 book chapter, and presented 15 International conferences and 1 National conference. He also served as reviewer more than 10 research articles in various International Journals. He has been awarded for Outstanding Contribution in reviewing of a research article in an International Journal of Mechanical Sciences (2018) and also received best paper award for presenting a research paper at the 3rd International Conference on Design, Analysis, Manufacturing & Simulation (ICDAMS), India, 2018. His research areas are Modelling and analysis of structures/systems made of functionally graded materials (FGMs) and composite materials (CMs); Vibration of cracked beams, shafts, rotors, turbine blades and pipes made of FGMs; Rotor dynamical system (stability, dynamics and control); Crack detection and identification of structures made of FGMs and CMs; Wave propagation in sandwich structures; Mechanics of shear transformation zones in metallic glasses using DFT calculations</p>				

*****All the columns need to be filled in.