

## **Brief Bio-data**

### **Dr. Amit Kumar Onkar**

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### **Area of Expertise**

Computational Mechanics, Structural Dynamics, Linear and Nonlinear Aeroelasticity, Fluid Structure Interaction, Uncertainty Quantification, Probabilistic and Non-probabilistic Methods, Stochastic Finite Elements, Analysis of composite structures

### **Specialization**

Aerospace Engineering

### **Publications**

No. of National/International Journal Papers: 16

No. of National/International Conference Papers: 50

No. of Book Chapters: 04

No of Technical Reports/Project Documents: 158

### **Teaching Courses**

Mathematics for Engineers

Aircraft Structures

Computational Structural Mechanics

### **Students Guidance**

PhD Student: 01

MTech Students: 11

### **Subject area willing to guide the student**

Computational Mechanics / Aeroelasticity / Applied Mechanics / Aerodynamics / Fluid-Structure-Interaction / Uncertainty modelling / FEM / CFD