

## **Profile**

### **S. M. Kulkarni**

Dean (R&C) and Former Head, Department of Mechanical Engg.

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Scholar: <http://scholar.google.co.in/citations?hl=en&user=k2wxXJAAAAAJ>



### **Research Interests:**

Materials, esp Composites and sandwiches, Processing and Characterization - Composites of recycled materials. Mechatronics and MEMS. Product Development and Prototyping. Modeling and analysis of mechanical systems.

### **Teaching Interests:**

Product Development, Prototyping-virtual and rapid, Mechatronics systems, Microelectromechanical systems – modeling and analysis

### **Education**

Ph. D	2002	Indian Institute of Science, Bangalore
M. E	1989	Bharathiar University
B. E	1985	Mysore University

### **Profession experience:**

Teaching: 33 Years
Research: 24 Years
Ph. D Guided: 14 Ongoing: 4

### **Awards:**

Sir Vithal N.Chandavarkar Award for Best Ph. D thesis

**Publications** Journals **117** Conferences **82**

**Citations** Scholar h index - **30** i10 index **65** Scopus h index - **24**

### **Book Chapter**

1. Chapter 6 “**Flexural Behavior of Functionally Graded Sandwich Composite**” in the book Finite Element Analysis - Applications in Mechanical Engineering Ed Farzad Ebrahimi, InTech Publisher ISBN 978-953-51-0717-0
2. Chapter 10 “**Effect of surface treatment of Cenosphere on the Mechanical Properties of Cenosphere/Recycled PET composites**” in the book Surface Engineering - Methods and Applications Ed R S Walia, Q. Murtaza et. al CRC Press, Taylor and Francis Group, DOI 10.1201/9781003319375-10

### **Monograph**

Pneumatic Pressure Sensing with PVDF film, Lambert Academic Publishers, Germany

### **Article**

Doddamani, M.R., **Kulkarni, S.M.** and Kishore (April-2012). “Sandwich beams with a graded rubber core under flexural loading.” Society of Plastics Engineers, Plastics Research Online, doi: 10.1002/spepro.004104.

### **Professional activities**

Editor in chief - International Journal of Mechatronics and Automation (JOMA), STM Pub

Memberships: ISTE, IE, AMM, MRSI and ISSS

Peer reviewer: Journal of Materials Science, Composite Structures, J. Smart Materials and Structures

Ph.D guideship: NITK, Manipal University and VTU

### **Funded Projects and Grants (Completed - 108 Lakhs)**

- Design Innovation Center, Spoke Institute of IISc, (Funded by MHRD)
- MHRD research and development project on Biocomposites and composite lumber
- DST Funding for Infrastructure in Science and Technology (FIST) to establish composite activity center