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| **Designation** | Assistant Professor |
| **Professional Experience** | Total 14 years, and at NITK- 8 years |
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| **Academic Background** | PhD: (Indian Institute of Technology Kharagpur), 2015  M.E. (UVCE, Bangalore University), 2001  B.E. (UVCE, Bangalore University), 1997 |
| **Areas of Interest** | Smart Materials and structures, Composite structures, Active Control, Magneto-electro-elastic solids and structures |

**Significant Projects:**

1. DST project EMR/2016/002497- Ongoing.

Title: Experimental characterisation and numerical modelling of delamination growth in fiber reinforced polymer laminated composites under cyclic loading.

Dr. Subhaschandra Kattimani, Principal Investigator

Dr. S. M. Murigendrappa, Co- Principal Investigator

2. SERB-DST (EMR/2016/001247)- Ongoing

Title: An experimental and theoretical investigation on narrow thermal hysteresis of Cu-Al-Be based SMA actuator for vibration isolation

Dr. S. M. Murigendrappa, Principal Investigator

Dr. Subhaschandra Kattimani, Co-Principal Investigator

**Significant Publications**

1. **SC Kattimani** (2017) [Geometrically nonlinear vibration analysis of multiferroic composite plates and shells](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:BqipwSGYUEgC), *Composite Structures 163, 185-194*.
2. **SC Kattimani** (2017) [Active Control of Multiferroic Composite Shells Using 1-3 Piezoelectric Composites](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:O3NaXMp0MMsC), *International Journal of Mechanical and Mechatronic Engineering 4 (2).*
3. M Vinyas, **SC Kattimani**, (2017), [Static studies of stepped functionally graded magneto-electro-elastic beam subjected to different thermal loads](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:GnPB-g6toBAC), *Composite Structures 163, 216-237.*
4. **SC Kattimani**, MC Ray (2015), [Control of geometrically nonlinear vibrations of functionally graded magneto-electro-elastic plates](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:NMxIlDl6LWMC), *International Journal of Mechanical Sciences 99, 154-167.*
5. **SC Kattimani**, MC Ray (2014), [Smart damping of geometrically nonlinear vibrations of magneto-electro-elastic plates](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:d1gkVwhDpl0C), *Composite Structures 114, 51-63.*
6. **SC Kattimani**, MC Ray (2014) [Active control of large amplitude vibrations of smart magneto–electro–elastic doubly curved shells](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:9yKSN-GCB0IC), *International Journal of Mechanics and Materials in Design 10 (4), 351-378*.
7. V Hindasageri, H Ramesh, **SC Kattimani** (2011), [Performance of Savonious rotors for utilizing the orbital motion of ocean waves in shallow waters](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:u5HHmVD_uO8C), *Journal of Sustainable Energy & Environment*

***Conferences:***

1. **SC Kattimani** (2017) Active Control of Multiferroic Composite Shells Using 1-3 Piezoelectric Composites*, 19th International Conference on applications of Vibroengineering, Bangkok, Thailand.*
2. **SC Kattimani**, MC Ray (2015) [Control of geometrically nonlinear vibrations of functionally graded multiferroic composite doubly curved shells](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:blknAaTinKkC), *5th International Congress on Computational Mechanics and Simulation, CSIR-Chennai.*
3. Kiran M. C. **SC Kattimani** (2016) [Free Vibration of Multilayered Magneto-Electro-Elastic Plates With Skewed Edges Using Layer wise Shear Deformation Theory](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=M_-BuvUAAAAJ&citation_for_view=M_-BuvUAAAAJ:YFjsv_pBGBYC), *ICSEM 2016, R V college of Engineering, Bangalore*.
4. M Vinyas, **SC Kattimani**, (2017), Influence of coupled material properties of BaTiO3 and CoFe2O4 on the static behvior of thermo-mechanically loaded magneto-electro-elastic beam, *International conference on Emerging Trends in Materials and Manufacturing Engineering (IMME2017). NIT Tiruchirapalli, TN, India.*