

## **Dr. Sateeshkumar Kanakannavar**

Assistant Professor,

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### **Education**

- Ph.D. Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal.
- M.Tech. Engineering Analysis and Design, SDM College of Engineering and Technology, Dharwad.
- B.E. Mechanical Engineering, KLS Gogte Institute of Technology, Belgaum.
- Diploma Automobile Engineering, KLE Society Polytechnic, Hubli.

### **Areas of Interest**

- Polymer composites.
- Mechanical characterization (Static and Dynamic).
- Geometrical characterization of fibers, yarns and textile fabrics.

### **Experience**

- Assistant Professor, Department of Mechanical Engineering, BIT, Mangalore, Karnataka, October 2022 to May 2023.

### **Awards and Achievements**

- Awarded Gold Medal for securing 1<sup>st</sup> rank in M.Tech. Program.

### **Journal Publications**

1. Kanakannavar, S., Pitchaimani, J. and Ramesh, M.R., 2021. Tribological behaviour of natural fibre 3D braided woven fabric reinforced PLA composites. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, 235(7), pp.1353-1364.
2. Kanakannavar, S. and Pitchaimani, J., 2021. Thermal buckling of braided flax woven polylactic acid composites. *Journal of Reinforced Plastics and Composites*, 40(7-8), pp.261-272.
3. Kanakannavar, S. and Pitchaimani, J., 2021. Fracture toughness of flax braided yarn woven PLA composites. *International Journal of Polymer Analysis and Characterization*, 26(4), pp.364-379.

4. Kanakannavar, S. and Pitchaimani, J., 2022. Fabrication and mechanical properties of braided flax fabric polylactic acid bio-composites. *The Journal of the Textile Institute*, 113(5), pp.833-845.
5. Kanakannavar, S., Pitchaimani, J., Thalla, A. and Rajesh, M., 2022. Biodegradation properties and thermogravimetric analysis of 3D braided flax PLA textile composites. *Journal of Industrial Textiles*, 51(1\_suppl), pp.1066S-1091S.
6. Kanakannavar, S. and Pitchaimani, J., 2022. Free Vibration of Flax Braided Fabric PLA Beam under Edge Compression. *Journal of Natural Fibers*, 19(15), pp.11124-11137.
7. Kanakannavar, S. and Pitchaimani, J., 2023. Interlaminar, free vibration, HDT and water absorption properties of braided flax woven fabric PLA biocomposites. *The Journal of The Textile Institute*, pp.1-10.

### **International Conference**

1. Kanakannavar, S., Savanur, S., Sridhar, I., Gouda, P.S. and Veereshkumar, G.B., 2018. Improved delamination behaviour in glass-cotton reinforced hybrid composites. *Materials Today: Proceedings*, 5(11), pp.24984-24996.
2. Kanakannavar, S. and Pitchaimani, J., 2020, July. Comparative study of natural fibre 3D braided yarn woven fabric and simply twisted yarn woven fabric reinforced epoxy composites. In *AIP Conference Proceedings* (Vol. 2247, No. 1, p. 040015).
3. Kanakannavar, S. and Pitchaimani, J., 2021, February. Compressive properties of 3D braided flax fiber textile fabric reinforced PLA composites. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1065, No. 1, p. 012021).