

## **DC Member from other university**

### **DC Member 1: Dr.K.Jayakrishna**

List of Publications for the last 5 years:

- 1.Reddy, Beyanagari Sudheer, Kannan Chidambaram, and Jayakrishna Kandasamy. "Potential assessment of Al 7075/BN composites for lightweight applications." In *AIP Conference Proceedings*, vol. 2283, no. 1, p. 020025. AIP Publishing LLC, 2020.
- 2.Soundhara, A., and K. Jayakrishna. "Effect of crab shell particles on agave sisalana fibers reinforced polymer composites." In *AIP Conference Proceedings*, vol. 2283, no. 1, p. 020023. AIP Publishing LLC, 2020.
- 3.Ethirajan, Manavalan, and Jayakrishna Kandasamy. "Assessment of sustainability in supply chain management for industry 4.0 requirements." In *AIP Conference Proceedings*, vol. 2283, no. 1, p. 020024. AIP Publishing LLC, 2020.
4. Manavalan, E., and K. Jayakrishna. "A review of Internet of Things (IoT) embedded sustainable supply chain for industry 4.0 requirements." *Computers & Industrial Engineering* 127 (2019): 925-953.
- 5.Manavalan, E., and K. Jayakrishna. "An analysis on sustainable supply chain for circular economy." *Procedia Manufacturing* 33 (2019): 477-484.
6. Soundhar, A., M. Rajesh, K. Jayakrishna, M. T. H. Sultan, and A. U. M. Shah. "Investigation on mechanical properties of polyurethane hybrid nanocomposite foams reinforced with roselle fibers and silica nanoparticles." *Nanocomposites* 5, no. 1 (2019): 1-12.
7. Soundhar, A., and K. Jayakrishna. "Investigations on mechanical and morphological characterization of chitosan reinforced polymer nanocomposites." *Materials Research Express* 6, no. 7 (2019): 075301.
8. Safri, Syafiqah Nur Azrie, Mohamed Thariq Hameed Sultan, Mohammad Jawaaid, and Kandasamy Jayakrishna. "Impact behaviour of hybrid composites for structural applications: A review." *Composites Part B: Engineering* 133 (2018): 112-121.
9. Raj, S. Aravind, E. Muthukumaran, and K. Jayakrishna. "A case study of 3D printed PLA and its mechanical properties." *Materials Today: Proceedings* 5, no. 5 (2018): 11219-11226.
10. Jayakrishna, K., and S. Vinodh. "Application of grey relational analysis for material and end of life strategy selection with multiple criteria." *International Journal of Materials Engineering Innovation* 8, no. 3-4 (2017): 250-272.
11. Raunika, A., S. Aravind Raj, K. Jayakrishna, and M. T. H. Sultan. "Carbon nanotube: A review on its mechanical properties and application in aerospace industry." In *IOP Conf. Ser. Mater. Sci. Eng.*, no. 1, p. 012027. 2017.

12. Reddy, V. Sharathkumar, K. Jayakrishna, and Babu Lal. "Measurement of sustainability index among paper manufacturing plants." In *IOP Conference Series: Materials Science and Engineering*, vol. 263, no. 6, p. 062046. IOP Publishing, 2017.

13. Jayakrishna, K., K. Balasubramani, M. T. H. Sultan, and S. Karthikeyan. "Investigations of the mechanical properties of bi-layer and trilayer fiber reinforced composites." In *IOP Conference Series. Materials Science and Engineering (Online)*, vol. 152, no. 1. 2016.