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### **PUBLICATIONS:**

1. Kumar, S. V., Kumar, K. S., Jailani, H. S., & Rajamurugan, G. (2020). Mechanical, DMA and Sound Acoustic behaviour of Flax woven fabric reinforced Epoxy composites. *Materials Research Express*, 7(8), 085302.
2. Jeavudeen, S., Jailani, H. S., & Murugan, M. (2020). Effect of process parameters in the machining of Titanium alloy and high speed steel in powder mixed electrical discharge machining process. *Materials Today: Proceedings*.
3. Jeavudeen, S., Jailani, H. S., & Murugan, M. (2020). Powder additives influence on dielectric strength of EDM fluid and material removal. *International Journal of Machining and Machinability of Materials*, 22(1), 47-61.
4. Ali, J. M., Jailani, H. S., & Murugan, M. (2020). Surface roughness evaluation of electrical discharge machined surfaces using wavelet transform of speckle line images. *Measurement*, 149, 107029.
5. ALI, J., Jailani, H., & Murugan, M. (2019). Surface Roughness Evaluation of Milled Steel Surfaces Using Wavelet Transform of Laser Speckle Line Images. *Lasers in Engineering (Old City Publishing)*, 44.
6. Arvinda Pandian, C. K., & Siddhi Jailani, H. (2019). Dynamic and vibrational characterization of natural fabrics incorporated hybrid composites using industrial waste silica fumes. *International Journal of Polymer Analysis and Characterization*, 24(8), 721-730.
7. Ali, M., Jailani, S., Mariappan, M., Anandan, M., & Pavithran, V. (2019). *Vision Based Surface Roughness Characterization of Flat Surfaces Machined with EDM* (No. 2019-28-0148). SAE Technical Paper.
8. Pandian, A., & Jailani, S. (2019). *Development and Investigation of Jute/Linen Fibre Reinforced Polymer Composite* (No. 2019-28-0171). SAE Technical Paper.

9. Ahmed, M. P., & Jailani, H. S. (2019). Enhancing Wear Resistance of Cryo Treated Cu-Be<sub>2</sub> Alloy. *Silicon*, 11(1), 105-115.
10. Jeavudeen, S., Siddhi, J. H., & Murugan, M. (2019). Influence of thermo-electrical property of materials on Powder Mixed Electrical Discharge Machining. *FME Transactions*, 47(3), 518-523.
11. Ali, J. M., Jailani, H. S., & Murugan, M. (2019). Surface roughness evaluation of milled surfaces by image processing of speckle and white-light images. In *Advances in manufacturing processes* (pp. 141-151). Springer, Singapore.
12. Suhail, S. M., Ali, J. M., Jailani, H. S., & Murugan, M. (2018, August). Vision based system for surface roughness characterisation of milled surfaces using speckle line images. In *IOP Conference Series: Materials Science and Engineering* (Vol. 402, No. 1, pp. 1-12).
13. Pandian, C. A., & Jailani, H. S. (2018). Investigation of viscoelastic attributes and vibrational characteristics of natural fabrics-incorporated hybrid laminate beams. *Polymer Bulletin*, 75(5), 1997-2014.
14. Mouda, P. A., & Jailani, H. S. (2017). *Effect of Cryogenic Treatment of Copper Electrode on Electro-Discharge Machining* (No. 2017-28-1962). SAE Technical Paper.
15. Jailani, H. S., Rajadurai, A., Mohan, B., & Sornakumar, T. (2017). Sliding wear behaviour of Al-Si alloy-fly ash composites produced by powder metallurgy technique. *Industrial Lubrication and Tribology*.
16. Pandian, C. A., Jailani, H. S., & Rajadurai, A. (2017). Natural fabric sandwich laminate composites: development and investigation. *Bulletin of Materials Science*, 40(1), 139-146.
17. Ahmed, M. P., Jailani, H. S., Mohideen, S. R., & Rajadurai, A. (2016). Effect of Cryogenic Treatment on Microstructure and Properties of CuBe<sub>2</sub>. *Metallography, Microstructure, and Analysis*, 5(6), 528-535.
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