

## Mr. M.Rajesh

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### Experience:

Industry:0 Years

Teaching:4Years

**Research area:** Design/ Manufacturing

### Recent Publications

1. **Rajesh, M.**, K. Rajkumar, and K.Ramraji. Parametric investigation on surface roughness and hole quality of Ti metal hybrid fibers cored laminate (MFL) during abrasive water jet drilling. **Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science.** (2021). (SCI – IF = **1.762**).
2. **Rajesh, M.**, K. Rajkumar, and V. E. Annamalai. Abrasive water jet machining on Ti metal-interleaved basalt-flax fiber laminate. **Materials and Manufacturing Processes** (2021), vol 36 (3), no 329-340. (SCI – IF = **4.616**).
3. Rajkumar, K., **Rajesh, M.**, Ramraji, K., Sabarinathan, P, and Gnanavelbabu, A. (2020). Electrolyte and Machining Parameters Optimization of Wire Electrochemical Cutting of Aluminum/Titanium Diboride Composite. In Trends in Manufacturing and Engineering Management (pp. 39-50). Springer, Singapore (**Book Chapter & Scopus**)
4. Ramraji, K., Rajkumar, K., **Rajesh, M.**, and Gnanavelbabu, A. (2020). A Comparative Study on Abrasive Water Jet Machining Characteristics of Entry and Exit Layers of Glass and Basalt Woven Polymer Composites. In Trends in Manufacturing and Engineering Management (pp. 27-37). Springer, Singapore. (**Book Chapter & Scopus**)
5. Rajkumar, K., Ramraji, K., and **Rajesh, M.** (2020). Dynamic Mechanical Analysis of Flax Fiber Stacked Polyurethane Blend Epoxy Composites. In Trends in Manufacturing and Engineering Management (pp. 475-484). (**Book Chapter & Scopus**)
6. Rajkumar, K., Balasubramanian, C., Nambiraj, K.M. and **Rajesh, M.**, (2019). A brass wire electric discharge machining variable optimization of aluminium–nano alumina composite. Materials Today: Proceedings. (**Scopus**)
7. **Rajesh, M.**, Rajkumar, K., Nambiraj, K.M. and Ramraji, K., (2020). Evaluation of Surface Integrity of Multi-stacked Glass Interplyed with Flax Laminate by

Abrasive Waterjet Machining. In Advances in Lightweight Materials and Structures (pp. 569-577). Springer, Singapore. (**Book Chapter**)

8. **Rajesh, M.**, Rajkumar, K., Gnanavelbabu, A. and Nambiraj, K.M., (2020). The Role of hBN Solid Lubricant Reducing Cutting Forces of Dry Machined Al-B4C Composite. In Advances in Unconventional Machining and Composites (pp. 697-705). (**Book Chapter**)
9. Ramraji, K., Rajkumar, K., **Rajesh, M.** and Nambiraj, K.M., (2020). Investigations on the Cutting Quality of Interleaved Flax Fiber with Fly Ash-Reinforced Hybrid Polymer Composite. In Advances in Lightweight Materials and Structures (pp. 419-430). Springer, Singapore. (**Book Chapter**)
10. Nambiraj, K.M., Rajkumar, K., **Rajesh, M.** and Gnanavelbabu, A., (2020). Effect of Solid Lubricant in Dry Machining on Al-B 4 C Composite. In Advances in Lightweight Materials and Structures (pp. 587-596). Springer, Singapore. (**Book Chapter**)