

PUBLICATIONS

Dr. R. MURUGAN

1. **Murugan R.**, Muthukumar V., Pradeepkumar K., Muthukumaran A., Rajesh V. (2020) Influence of Fiber Orientation on Mechanical Properties and Free Vibration Characteristics of Glass/Hemp Hybrid Composite Laminates. In Trends in Mechanical and Biomedical Design, Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4488-0_74 ISSN: 21954364(**Scopus Indexed**)
2. **Murugan R.**, Ramesh R., Padmanabhan K, 2019,“*Influence of Stacking Sequence on Mechanical Properties and Vibration Characteristics of Glass/Carbon Hybrid Plates with Different Fabric Areal Densities*”, in Structural Integrity Assessment. Lecture Notes in Mechanical Engineering. Springer, Singapore pp. 87-87. DOI: https://doi.org/10.1007/978-981-13-8767-8_7ISSN: 21954364(**Scopus Indexed**)
3. **R. Murugan**, N. Nithyanandan, V. Sathya, 2019, “*Influence of Stacking Sequence on Mechanical Properties and Free Vibration Characteristics of Flax/Sisal Hybrid Composite Beams*” in Advances in Materials and Metallurgy, Lecture Notes in mechanical Engineering, Springer Nature Singapore Pte Ltd, pp171-183,DOI:https://doi.org/10.1007/978-981-13-1780-4_18ISSN: 21954364(**Scopus Indexed**)
4. Sai Naga Sri Harsha, Padmanabhan.K, **Murugan R.**,“Vibrational properties of a glass fabric/Cashew nut shell liquid resin composite”, A book chapter in the book Polymeric and nanostructures materials’ edited by Sabu Thomas et . al. CRC Press, Apple Academic Press, 2018: 49.
5. **R. Murugan**, V. Manickam, P. Milton and G. Gnanakumar, 2018, “*Study on Effect of Machining Parameters in End Milling of AL6063 using Taguchi Method*”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 (P) 22496890Vol. 8, Special Issue 8, Aug 2018, 267-272. (**Scopus Indexed**)
6. **R. Murugan**, R. Lakshmi Narasimhan, A. Harish, 2018, *Effect of Fiber Orientation on Effective Stacking Sequence of Glass/Carbon Hybrid Composite Laminates for Structural Applications*, Advances in Engineering Research (AER),Atlantis Press,volume 142, pp.204-209.
7. **R. Murugan**, R. Ramesh, K. Padmanabhan, 2017 “*Experimental Study on Fatigue-Vibration Interactions of Cyclically Loaded FRP Composite Cantilever Beams made of Glass/Carbon Layered Arrangements*” Advances in Structural Integrity, Springer Nature Singapore Pte Ltd., Chapter No.: 48, pp. 579/591, https://doi.org/10.1007/978-981-10-7197-3_48, ISBN: 978-981-10-7196-6.
8. **Murugan, R**, Ramesh, R &Padmanabhan, K 2015, ‘*Investigation on mechanical behaviour and vibration characteristics of thin walled glass/carbon hybrid composite beams under fixed-free boundary condition*’, Mechanics of Advanced Materials and Structures, vol. 23, No. 8, pp. 909-916, ISSN:1537-6494. (**Scopus Indexed**) (**JCR-SCIE**)

9. Ram P. Chennuri, Ramya M, Ravi T Deekonda, Venkataramana K Reddy, Padmanabhan Krishnan, **Murugan R**, 2015, "*Dynamic Analysis of Sandwich Composites*", International Journal of Applied Engineering Research, Vol. 10 No.71 pp 485-488, ISSN: 0973-4562. (**Scopus Indexed**)