Dr. Ramesh M ,M.E., Ph.D.,

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Overview: -

Dr. Ramesh M Working as an Assistant Professor in the Department of Mechanical at SRMIST, Ramapuram. He Graduated in Mechanical Engineering at SASTRA university, Tanjore, Tamil Nadu, India. He secured Master of Engineering in Manufacturing Engineering in Mookambigai College of Engineeering at Anna University, Chennai, India. He obtained Ph.D. in the field of polymer composites, at National Institute of Technology, Trichy, India. He is in teaching profession for more than 10 years. He has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Polymer composites, additive manufacturing.

Selected Publications:

Web of Science/SCI

1. Ramesh, M., & Panneerselvam, K. (2022). Welding analysis and optimization of ultra-sonic welding in HDPE-5% PBI composite by CODAS decision-making approach. Physica Scripta, 97(9), 095703. (Q2 journal , IF – 2.787)
2. Mohan, S., Unnikrishnan, T. G., Dubey, U., Ramesh, M., & Panneerselvam, K. (2022). Development and Characterization of Mustard Oil Incorporated Biodegradable Chitosan Films for Active Food Packaging Applications. Journal of Polymers and the Environment, 1-14. (Q1 journal , IF – 4.70)
3. Mohan, Ramesh, and Panneerselvam Kavan. "Influence of polybenzimidazole nanoparticle on the thermo-mechanical characteristics of high-density polyethylene composite." Physica Scripta 97, no. 3 (2022): 035706. (Q2 journal , IF – 2.787)
4. Ramesh, M., Jafrey Daniel James, D., Vijayan, V., Raja Narayanan, S., & Teklemariam, A. (2022). Synthesis and Characterization of Banana and Pineapple Reinforced Hybrid Polymer Composite for Reducing Environmental Pollution. Bioinorganic Chemistry and Applications, 2022. (Q1 journal , IF – 4.72)
5. Krishnan, B. R., Ramesh, M., Selvakumar, M., Karthick, S., Sasikumar, A., Geerthi, D. V., & Senthilkumar, N. (2020). A Facile Green Approach of Cone like ZnO NSs Synthesized Via

Jatropha gossypifolia Leaves Extract for Photocatalytic and Biological Activity. Journal of inorganic and organometallic polymers and materials. (Q2 journal , IF – 3.518)

6. Babu, L. G., Ramesh, M., & Ravichandran, M. (2019). Mechanical and tribological characteristics of ZrO2 reinforced Al2014 matrix composites produced via stir casting route. Materials Research Express, 6(11), 115542. (Q2 journal , IF – 2.025)
7. James Dhilip, J. D., Jeevan, J., Arulkirubakaran, D., & Ramesh, M. (2020). Investigation and optimization of parameters for hard turning of OHNS steel. Materials and Manufacturing Processes, 1-7. (Q1 journal , IF – 4.783)
8. Ramesh, M., et al. "Influence of Stacking Sequence on Mechanical and Thermal Characteristics of Banana-Pineapple Fiber Reinforced Epoxy Composites." Journal of Natural Fibers (2020): 1-14. (Q2 journal , IF – 3.507)
9. Kumar, G. S., Ramesh, M., Dinesh, S., Paramasivam, P., & Parthipan, N. (2022). Investigation of the TIG Welding Process for Joining AA6082 Alloy Using Grey Relational Analysis. Advances in Materials Science and Engineering, 2022. (Q2 journal , IF – 2.098)
10. Raghunathan, V., Dhilip, J.D.J., Ramesh, M., Kumaresan, R., Govindarajan, S., Karunamoorthi, S., Shanmugam, S. and Khan, A., 2021. The Effects of Stacking Sequence on the Mechanical and Water Absorption Properties of Areca-Pineapple Fiber-based Epoxy Composites. Journal of Natural Fibers, pp.1-12. (Q2 journal, IF – 3.507)

Patents

1. Integrated Welding Fixture, Ref. No: 202241042695, July 2022 (utility patent)
2. Semi- Automated fertilizer Distribution Machine, Ref. No: 201841013367, April 2018
3. A Dispenser Machine, Ref. No: 202041032024, April 2018

Books/Book Chapters Published:

1. Dubey, U., Unnikrishnan, T. G., Mohan, S., Ramesh, M., & Panneerselvam, K. (2023). Polycarbonate (PC)-Based Material Design and Investigation of its Properties by Fused Deposition Modeling (FDM). In Polymer Nanocomposites (pp. 189-199). CRC Press**.**

Google Scholar:

https://scholar.google.com/citations?user=xnq5R5UAAAAJ&hl=en&oi=ao

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