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Overview :-

Dr. Mohan.S Working as an Assistant Professor in the Department of Mechanical at SRMIST, Ramapuram. He Graduated in Mechanical Engineering at Institute of Road and Transport Technology, Erode, Tamil Nadu,India. He secured Master of Engineering in Manufacturing Systems and Management at College of Engineering, Guindy campus, Anna University, Chennai, India. He obtained Ph.D. in the field of Biopolymers for food packaging applications, at National Institute of Technology, Trichy, India. He is in teaching profession for more than 5 years. He has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Composite thin films, biopolymers, food packaging.

Selected Publications:

Web of Science/SCI

1.Mohan S & Panneerselvam K “Preparation and characterization of polylactic acid/fenugreek essential oil/curcumin composite films for food packaging applications” International Journal of Biological Macromolecules, (2022),194, 470-483. (SCIE, Q1, IF:8.2).

2.Mohan S & Panneerselvam K. “Development and investigation of antibacterial and antioxidant characteristics of poly lactic acid films blended with neem oil and curcumin”. Journal of Applied Polymer Science, (2022) 139(14), 51891. (SCI, Q2, IF:3.0).

3.Mohan, S., and K. Panneerselvam. "Development of polylactic acid based functional films reinforced with ginger essential oil and curcumin for food packaging applications" Journal of Food Measurement and Characterization (2022): 1-13. (SCIE, Q2, IF:3.4).

4.Mohan, S, Unnikrishnan T G, Umang Dubey, Ramesh M and K Panneerselvam,” Development and characterization of mustard oil incorporated biodegradable chitosan films for active food packaging

applications” Journal of polymers and the Environment,31(5), 2190-2203 (2023) (SCIE, Q1, IF:5.3)

5. James, J. D. D., Panneerselvam, K., & Mohan, S. Mechanical And Thermal Characteristics of Polypropylene Reinforced with Spheri-glass-3000 Produced by Twin Screw Extruder. Journal of Engineering Research, (2022) 10, 160-166. (SCIE, Q3, IF:1.49)

6. Mohan, S., and K. Panneerselvam. "An investigation on antibacterial filler property of silver nanoparticles generated from Walnut shell powder by insitu process." Materials Today: Proceedings 39 (2021): 368-372.

7. Mohan, S., and Kavan Panneerselvam. "A short review on mechanical and barrier properties of polylactic acid-based films." Materials Today: Proceedings (2021).

8. K Panneerselvam, T Raghavendra, and S. Mohan and A Ahmad. "Study on camphor soot reinforced polyamide-6 & ABS blend." ISME J. Manuf. Sci 7 (2018): 27-37

9. Kumaran, M., Sathies, T., Balaji, N. S., Bharathiraja, G., Mohan, S., & Senthilkumar, V. (2022). Influence of heat treatment on stainless steel 316L alloy fabricated using directed energy deposition. Materials Today: Proceedings, 62, 5307-5310.

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.
2. Unnikrishnan T G, Umang Dubey , Mohan S , Jithin Joy , Cintil Jose Chirayil and K Panneerselvam “Shape memory epoxy foams-Defense and space application” for the book “Handbook of thermoset foams, aerogels and hydrogel (Elsevier 2022 ISBN- 9780323994521)

Google Scholar:

<https://scholar.google.com/citations?user=aViUekIAAAAJ&hl=en>

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