

Dr. M. Senthil Kumar

Associate Professor

School of Mechanical Engineering,
Vellore Institute of Technology (VIT),
Chennai -600127, Tamil nadu, India.

Phone: 8428598389

Email id: senthil.km@vit.ac.in

LIST OF PUBLICATIONS

1. International Journal

1. Natrayan L & **Senthil Kumar M**, “An integrated artificial neural network and Taguchi approach to optimize the squeeze cast process parameters of AA6061/Al₂O₃/SiC/Gr hybrid composites prepared by novel encapsulation feeding technique” Materials today Communications, 2020, 101586.
2. **Senthil Kumar M**, M Vanmathi, G Sakthivel, “SiC Reinforcement in the Synthesis and Characterization of A356/Al₂O₃/SiC/Gr Reinforced Composite-Paving a Way for the Next Generation of Aircraft Applications” Silicon, 2020
3. Natrayan L & **Senthil Kumar M**, “Influence of silicon carbide on tribological behaviour of AA2024/Al₂O₃/SiC/Gr hybrid metal matrix squeeze cast composite using Taguchi technique”, Materials Research Express, 2020, 6(12), 1265f9.
4. Natrayan L & **Senthil Kumar M**, “A potential review on influence of process parameter and effect of reinforcement on mechanical and tribological behaviour of HMMC using squeeze casting method”, Journal of critical review, 2020, 7(2), 1-5.
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6. Venkateswara Rao R and **Senthil Kumar M** “Effect of pin geometry on material flow characteristics of friction stir welded dissimilar AA6061/AA2014 alloys”, Australian Journal of Mechanical Engineering, 2020, 1-15.
7. Natrayan L & **Senthil Kumar M**, “Optimization of wear behaviour on AA6061/Al₂O₃/SiC metal matrix composite using squeeze casting technique – Statistical analysis”, Materials today: Proceedings, 2020, 27(1), 306-310.

8. Amrendra Pratap Singh, **Senthil Kumar M** et al., “Processing and characterization mechanical properties of AA2024/ Al_2O_3 / ZrO_2 /Gr reinforced hybrid composite using stir casting technique”, Materials today: Proceedings, 2020.
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13. **Senthil Kumar M**, Vanmathi M, Senguttuvan G, Mangalaraja R V & Sakthivel G, “Fly ash constituent- silica and alumina role in the synthesis and Characterization of cordierite based ceramics”, Silicon (2019), 11; 2599–2611.
14. Natrayan L, S Yogeshwaran, L Yuvaraj & **Senthil Kumar M**, “ Effect of graphene reinforcement on mechanical and microstructure behavior of AA8030/graphene composites fabricated by stir casting technique”, AIP Conference Proceedings 020012, 2166 (1), 2019.
15. Natrayan L & Senthilkumar M, “Mechanical, microstructure and wear behaviour of LM25/SiC/Mica metal matrix composite fabricated by squeeze casting technique”, Applied Engineering Letters, 4(2), 72-77, 2019.
16. Natrayan L, **Senthil Kumar M** & Chaudhari M, “Characterization of Al6061 reinforced Al_2O_3 hybrid metal matrix composites with variable squeeze pressure”, Journal of Advanced Research in Dynamical and Control Systems, 2019, 11(3s), pp. 1636-1642.
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19. Natrayan L, Senthilkumar M & K Palanikumar, "Optimization of squeeze cast process parameters on mechanical properties of $\text{Al}_2\text{O}_3/\text{SiC}$ reinforced hybrid metal matrix composites using taguchi technique", Materials Research Express, 66516, 5(6), 2018.
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