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LIST OF PUBLICATIONS

SCIENCE CITATION INDEXED (SCI) JOURNALS

1. **V. Mohanavel, K. S. Ashraff Ali, S.Prasath, T.Sathish. "Microstructural and tribological characteristics of AA6351/Si₃N₄ composites manufactured by stir casting" *Journal of Material Research and Technology*, 2020, 9 (6), pp.14662-14672, Elsevier Science Direct Journal (USA), Science Citation Indexed Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 5.289.**
2. **V. Mohanavel, K. Rajan, M. Ravichandran. "Synthesis, characterization and properties of stir cast AA6351-Aluminium Nitride (AlN) composites" *Journal of Material Research*, 2016, 31 (24), pp, 3824-3831, Cambridge University Journal (USA), Science Citation Indexed Journal (SCI), Thomson Reuter Indexed Impact Factor 2019 – 2.5.**
3. **V. Mohanavel, M. Ravichandran. "Influence of AlN particles on microstructure, mechanical and tribological behavior in AA6351 aluminum alloy" *Material Research Express*, 2019, 6 (10), pp, 106557, IOP Publishing, Science Citation Indexed Expanded Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 1.9.**
4. **V. Mohanavel, M. Ravichandran. "Experimental investigation on mechanical properties of AA7075-AlN composites", *Materials Testing*, 2019, Vol 61 (6), pp, 554-558, Hanser Publication (Germany), Science Citation Indexed Expanded Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 0.799.**
5. **Vinayagam Mohanavel, "Mechanical and microstructural characterization of AA7178-TiB₂ composites", *Materials Testing*, 2020, Vol 62 (2), pp, 146-150, Hanser Publication (Germany), Science Citation Indexed Expanded Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 0.799.**
6. **Vinayagam Mohanavel "Synthesis and evaluation on mechanical properties of LM4/AlN alloy based composites" *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 2019, pp, 1-10, DOI: 10.1080/15567036.2019.1647313, Taylor and Francis Journal, Science Citation Indexed Journal (SCI), Thomson Reuter Indexed Impact Factor 2019 – 1.184.**

7. **V. Mohanavel**, M. Ravichandran. “Tribological and mechanical behaviour of composites fabricated via compo casting, stir casting and in situ casting – An overview”, **Journal of the Balkan Tribological Association**, 2019, Vol 25 (2), pp, 342-352, Science Citation Indexed Expanded Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 0.3.
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13. **V. Mohanavel**, M. Ravichandran. ”Review on titanium diboride (TiB₂) particles based aluminium matrix composites”, **Advanced Composite letters**, Sage Publication, Science Citation Index Expanded Journal (SCIE), Thomson Reuter Indexed Impact Factor 2019 – 0.555, (Under Review).

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1. **V. Mohanavel**, M. Ravichandran, S. Suresh Kumar. “Tribological and mechanical properties of Zirconium Di-boride (ZrB₂) particles reinforced aluminium matrix composites”, **International Journal of Materials Today Proceedings**, Elsevier-Science Direct, 2020, Vol. 21, 862-864.
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8. **V. Mohanavel**, K. Rajan and S. Karthikeyan and M. Naveen Kumar “An investigation on mechanical and tribological behaviour of dual particles reinforced Al matrix composites”, **International conference on Mechanical Engineering Design (ICMED-2016), SSN College of Engineering, Kalavakkam, Chennai, Tamilnadu**, held during 25th and 26th April 2016.
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