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LIST OF PUBLICATIONS

1. **Yadav, A.K.**, Kumar, V., Ankit *et al.* Microstructure and Mechanical Properties of an In Situ Al 356-Mg₂Si-TiB₂ Hybrid Composite Prepared by Stir and Cooling Slope Casting. *Inter Metalcast* **17**, 740–752 (2023). <https://doi.org/10.1007/s40962-022-00804-x>
2. **Yadav, A.K.**, Gautam, G. & Mohan, S. Effect of Insitu Formed TiB₂ Particles on Tribological Behaviour of Al-Si/Mg₂Si Hybrid Composites. *Silicon* **15**, 1011–1025 (2023). <https://doi.org/10.1007/s12633-022-02065-z>
3. **Yadav A K**, Gaurav Gautam, Sunil Mohan; Microstructure-Mechanical Property Correlation in Cooling Slope Cast Al-Si/Mg₂Si-xwt.%TiB₂ (x=0, 1, 3 and 5) insitu Hybrid Composites. *Silicon* (2023). <https://doi.org/10.1007/s12633-023-02587-0>
4. **Yadav A K**, Gaurav Gautam, Sunil Mohan; Prediction of Tribology in (Mg₂Si+TiB₂)/A356 Composites Based on RSM Method and Correlative with Topographical Characteristics. *Physica Scripta* (2023) (Accepted for Publication).