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Publication year: 2020

1. Kumar, T. S., Sundarrajan, S., & **Priyadharshini, G. S.** (2020). Production and characterization of Al6061/zirconium carbide surface composites. *International Journal of Materials Research*, 111(8), 639-644.
2. Kumar, T. S., Shalini, S., & **Priyadharshini, G. S.** (2020). Effect of T6 Treatment on Wear Behavior of Al-7Si/ZrSiO₄ Composites. *Silicon*. <https://doi.org/10.1007/s12633-020-00492-4>.
3. Velmurugan, T., Subramanian, R., **Priyadharshini, G. S.**, & Raghu, R. (2020). Experimental Investigation of Microstructure, Mechanical and Wear Characteristics of Cu-Ni/ZrC Composites Synthesized through Friction Stir Processing. *Archives of Metallurgy and Materials*, 65(2), 565-574.
4. Vignesh, R. V., Padmanaban, R., Govindaraju, M., & **Priyadharshini, G. S.** (2020). Corrosion protection of magnesium alloys in simulated body fluids using nanophase Al₂O₃. In *Corrosion Protection at the Nanoscale*, 21-45.

Publication year: 2019

5. Vaira Vignesh, R., Padmanaban, R., Govindaraju, M., & **Suganya Priyadharshini, G.** (2019). Investigations on the corrosion behaviour and biocompatibility of magnesium alloy surface composites AZ91D-ZrO₂ fabricated by friction stir processing. *Transactions of the IMF*, 97(5), 261-270.
6. Kumar, T. S., **Priyadharshini, G. S.**, Shalini, S., Kumar, K. K., & Subramanian, R. (2019). Characterization of NbC-Reinforced AA7075 Alloy Composites Produced Using Friction Stir Processing. *Transactions of the Indian Institute of Metals*, 72(6), 1593-1596.
7. Vignesh, R. V., Padmanaban, R., Govindaraju, M., & **Priyadharshini, G. S.** (2019). Mechanical properties and corrosion behaviour of AZ91D-HAP surface composites fabricated by friction stir processing. *Materials Research Express*, 6(8), 085401.
8. Kumar, J. R., Jayaraman, M., Kumar, T. S., **Priyadharshini, G. S.**, & Kumar, J. S. (2019). Characterization of Y₂O₃ particles reinforced AA6082 aluminum matrix composites produced using friction stir processing. *Materials Research Express*, 6(8), 086509.
9. Kumar, T. S., Shalini, S., **Priyadharshini, G. S.**, & Subramanian, R. (2019). Microstructure, hardness and wear behaviour of NbC reinforced AA7075 matrix composites fabricated by friction stir processing. *International Journal of Materials Research*, 110(2), 114-120.
10. Prabhu, T. R., Murugan, M., Chiranth, B. P., Mishra, R. K., Rajini, N., Marimuthu, P., ... & **Suganya, G.** (2019). Effects of Dual-Phase Reinforcement Particles (Fly Ash+ Al₂O₃)

3) on the Wear and Tensile Properties of the AA 7075 Al Alloy Based Composites. *Journal of The Institution of Engineers (India): Series D*, 100(1), 29-35.

11. Satheeshkumar, J., Jayaraman, M., **Suganya Priyadharshini, G.**, & Mukesh, S. (2019). Fabrication of Aluminum–Cr₃C₂ Surface Composites through Friction Stir Processing and Analyzing its Microstructural and Mechanical Evolution. *Archives of Metallurgy and Materials*, 64(4), 1527-1532.

Publication year: 2017

12. **Priyadharshini, G. S.**, Subramanian, R., Murugan, N., & Sathiskumar, R. (2017). Influence of friction stir processing parameters on surface modified 90Cu-10Ni composites. *Materials and Manufacturing Processes*, 32(12), 1416-1427.
13. **Priyadharshini, G. S.**, Subramanian, R., Murugan, N., & Sathiskumar, R. (2017). Surface modification and characterization of zirconium carbide particulate reinforced C70600 CuNi composite fabricated via friction stir processing. *Journal of Mechanical Science and Technology*, 31(8), 3755-3760.