## Dr.V.ANANDAKRISHNAN, M.E., Ph.D.,

## Associate Professor

## Department of Production Engineering

National Institute of Technology, Trichirappalli – 620 015

Mobile Number: 9842167599

Email Id: Krishna@nitt.edu

## **Publication Details**

- 1. Ravichandran, M. and Anandakrishnan, V., 2015. Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al-10 wt% MoO3 composite. *Journal of materials research*, *30*(15), p.2380.
- 2. Saravanana, S., Senthilkumar, P., Ravichandran, M. and Anandakrishnan, V., 2017. Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route. *TiC*, 2(2.605), pp.3-52.
- 3. Ravichandran, M., Naveen Sait, A. and Anandakrishnan, V., 2015. Synthesis and forming characteristics of Al–TiO2 powder metallurgy composites during cold upsetting under plane stress state conditions. *Journal of Sandwich Structures & Materials*, 17(3), pp.278-294.
- 4. Saravanan, C., Subramanian, K., Anandakrishnan, V. and Sathish, S., 2018. Tribological behavior of AA7075-TiC composites by powder metallurgy. *Industrial Lubrication and Tribology*.
- 5. Basak, A.K., Pramanik, A., Islam, M.N. and Anandakrishnan, V., 2015. Challenges and recent developments on nanoparticle-reinforced metal matrix composites. In *Fillers and reinforcements for advanced nanocomposites* (pp. 349-367). Woodhead Publishing.
- 6. Raja, S., Ravichandran, M., Stalin, B. and Anandakrishnan, V., 2020. A Review on Tribological, Mechanical, Corrosion and Wear Characteristics of Stir Cast AA6061 Composites. *Materials Today: Proceedings*, *22*, pp.2614-2621.
- 7. Ravichandran, M., Thirunavukkarasu, M., Sathish, S. and Anandakrishnan, V., 2016. Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints. *Materials Testing*, *58*(3), pp.206-210.
- 8. Manjunath, A., Anandakrishnan, V., Ramachandra, S. and Parthiban, K., 2020. Experimental investigations on the effect of pre-positioned wire electron beam additive manufacturing process parameters on the layer geometry of titanium 6Al4V. *Materials Today: Proceedings*, *21*, pp.766-772.
- 9. Karuppiah, I., Poovaraj, R.K., Veeramani, A., Shanmugam, S., Manickam, R. and Rangasamy, R., 2017. Synthesis, characterization and forming behavior of hybrid copper matrix composites produced using powder metallurgy. *International Journal of Materials Research*, 108(7), pp.586-591.

- 10. Verma, K., Anandakrishnan, V. and Sathish, S., 2020. Modelling and analysis of abrasive water jet machining of AA2014 alloy with Al2O3 abrasive using fuzzy logic. *Materials Today: Proceedings*, *21*, pp.652-657.
- 11. Sathish, S., Anandakrishnan, V. and Gupta, M., 2020. Optimization of tribological behavior of magnesium metal-metal composite using pattern search and simulated annealing techniques. *Materials Today: Proceedings*, *21*, pp.492-496.
- 12. AA8011-ZrB, K.S.K.O., 2018. Investigation of tribological behavior of AA8011-ZrB2 in-situ cast-metal-matrix composites. *Materiali in tehnologije*, *5*2(4), pp.451-457.
- 13. Ravichandran, M. and Anandakrishnan, V., 2016. Hot upset studies on sintered (Al–TiO 2–Gr) powder metallurgy hybrid composite. *Strength of Materials*, *48*(3), pp.450-459.
- 14. Kumar, C.B. and Anandakrishnan, V., 2020. Experimental investigations on the effect of wire arc additive manufacturing process parameters on the layer geometry of Inconel 825. *Materials Today: Proceedings*, 21, pp.622-627.
- 15. Girish, G. and Anandakrishnan, V., 2019. Investigations on microstructural and texture evolution during recursive friction stir processing of aluminium 7075 alloy. *Materials Research Express*, *6*(12), p.126574.
- 16. Baskaran, S. and Anandakrishnan, V., 2018. Statistical analysis of Co-efficient of friction during dry sliding wear behaviour of TiC reinforced Aluminium Metal Matrix Composites. *Materials Today: Proceedings*, *5*(6), pp.14273-14280.