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List of Publications for the last 5 years:

1. Jeganmohan, S., Sugozu, B., Kumar, M., & Selvam, D. R. (2020). Experimental investigation on the friction and wear characteristics of palm seed powder reinforced brake pad friction composites. *Journal of The Institution of Engineers (India): Series D*, *101*(1), 61-69.
2. David Raja Selvam, J., Dinaharan, I., Rai, R. S., & Mashinini, P. M. (2019). Role of zirconium diboride particles on microstructure and wear behaviour of AA7075 in situ aluminium matrix composites at elevated temperature. *Tribology-Materials, Surfaces & Interfaces*, *13*(4), 230-238.
3. Ruban, R., Selvam, J. D. R., & Rai, R. S. (2019). Experimental investigation and characterization of in situ synthesized sub micron ZrB_2-ZrC particles reinforced hybrid AA6061 aluminium composite. *Materials Research Express*, *6*(10), 1050e1.
4. Dinaharan, I., Balakrishnan, M., Selvam, J. D. R., & Akinlabi, E. T. (2019). Microstructural characterization and tensile behavior of friction stir processed AA6061/Al_2Cu cast aluminum matrix composites. *Journal of Alloys and Compounds*, *781*, 270-279.
5. Abraham, S. J., Dinaharan, I., Selvam, J. D. R., & Akinlabi, E. T. (2019). Microstructural characterization of vanadium particles reinforced AA6063 aluminum matrix composites via friction stir processing with improved tensile strength and appreciable ductility. *Composites Communications*, *12*, 54-58.
6. David Raja Selvam, J., Dinaharan, I., Rai, R. S., & Mashinini, P. M. (2019). Dry sliding wear behaviour of in-situ fabricated TiC particulate reinforced AA6061 aluminium alloy. *Tribology-Materials, Surfaces & Interfaces*, *13*(1), 1-11.
7. Abraham, S. J., Dinaharan, I., Selvam, J. D. R., & Akinlabi, E. T. (2019). Microstructural characterization and tensile behavior of rutile (TiO_2)-reinforced

AA6063 aluminum matrix composites prepared by friction stir processing. *Acta Metallurgica Sinica (English Letters)*, *32*(1), 52-62.

8. Coe, N. (2019). *Revitalising Port Bell on Lake Victoria, Kampala, Uganda* (Doctoral dissertation, University of Johannesburg).
9. Selvam, J. D. R., Dinaharan, I., Rai, R. S., & Mashinini, P. M. (2019). Role of zirconium diboride particles on microstructure and wear behaviour of AA7075 in situ aluminium matrix composites at elevated temperature. *Tribol. Mater. Surf. Interfaces*, 1-9.
10. Philip, S. V., Selvam, J. D. R., Rai, R. S., & Mashinini, P. M. (2019). Microstructure Characterization of in-situ formed Al_2O_3-TiB_2 AMCs particles on AA6061 aluminium matrix composites. *Materials Today: Proceedings*, *16*, 574-578.
11. Pugazhenthi, A., Dinaharan, I., Kanagaraj, G., & Selvam, J. D. R. (2018). Predicting the effect of machining parameters on turning characteristics of AA7075/TiB_2 in situ aluminum matrix composites using empirical relationships. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, *40*(12), 555.
12. Pugazhenthi, A., Kanagaraj, G., Dinaharan, I., & Selvam, J. D. R. (2018). Turning characteristics of in situ formed TiB2 ceramic particulate reinforced AA7075 aluminum matrix composites using polycrystalline diamond cutting tool. *Measurement*, *121*, 39-46.
13. Mashinini, P. M., Dinaharan, I., Selvam, J. D. R., & Hattingh, D. G. (2018). Microstructure evolution and mechanical characterization of friction stir welded titanium alloy Ti–6Al–4V using lanthanated tungsten tool. *Materials Characterization*, *139*, 328-336.
14. Selvam, J. D. R., Dinaharan, I., Philip, S. V., & Mashinini, P. M. (2018). Microstructure and mechanical characterization of in situ synthesized AA6061/(TiB2+ Al2O3) hybrid aluminum matrix composites. *Journal of Alloys and Compounds*, *740*, 529-535.
15. Gladston, J. A. K., Dinaharan, I., Sheriff, N. M., & Selvam, J. D. R. (2017). Dry sliding wear behavior of AA6061 aluminum alloy composites reinforced rice husk ash particulates produced using compocasting. *Journal of Asian Ceramic Societies*, *5*(2), 127-135.
16. Selvam, J. D. R., & Dinaharan, I. (2017). In situ formation of ZrB2 particulates and their influence on microstructure and tensile behavior of AA7075 aluminum matrix composites. *Engineering Science and Technology, an International Journal*, *20*(1), 187-196.

17. David Raja Selvam, J., Dinaharan, I., & Mashinini, P. M. (2017). High temperature sliding wear behavior of AA6061/fly ash aluminum matrix composites prepared using compocasting process. *Tribology-Materials, Surfaces & Interfaces*, *11*(1), 39-46.
18. Lijay, K. J., Selvam, J. D. R., Dinaharan, I., & Vijay, S. J. (2016). Microstructure and mechanical properties characterization of AA6061/TiC aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate. *Transactions of Nonferrous Metals Society of China*, *26*(7), 1791-1800.
19. DS, R. S. Study of Weldability and Metallurgical Characterization of Fly Ash Reinforced AA6061 Alloy.
20. Ruban, S. R., Wins, K. L. D., Selvam, J. D. R., & Richard, A. A. (2016). Effect of Dry Sliding Wear Behaviour of AA6061/ZrB_2/SiC Hybrid Composite. *International Journal of Vehicle Structures & Systems*, *8*(2), 108.
21. Lijay, K. J., Selvam, J. D. R., Dinaharan, I., & Vijay, S. (2016). Characterization of microstructure and mechanical properties of AA6061/TiC aluminum matrix composites prepared by in-situ reaction of silicon carbide and potassium fluorotitanate. *Transactions of Nonferrous Metals Society of China*, (7), 8.
22. Lijay, K. J., Selvam, J., Dinaharan, I., & Vijay, S. J. (2016). Microstructure and mechanical characterization of aa6061/tic in situ aluminium matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate.
23. Selvam, J., Smart, D. S., & Dinaharan, I. (2016). Influence of fly ash particles on dry sliding wear behavior of AA6061 aluminum alloy.
24. Gladston, J. A. K., Sheriff, N. M., Dinaharan, I., & Selvam, J. D. R. (2015). Production and characterization of rich husk ash particulate reinforced AA6061 aluminum alloy composites by compocasting. *Transactions of Nonferrous Metals Society of China*, *25*(3), 683-691.
25. Gladston, J. A. K., Sheriff, N. M., Dinaharan, I., & Selvam, J. D. R. (2015). Preparation and Characterization of Rice Husk Ash Reinforced AA6061 Aluminum Alloy by Composite Casting. *Transactions of Nonferrous Metals Society of China*, (3), 2.
26. Ruban, S. R., Win, L. D., Selvam, J. D. R., & Kiran, S. (2015). Fabrication and characterization of insitu formed ZrB_2 and SiC particulate reinforced A6061 matrix composites. *Int. J. Applied Engineering Research*, *10*(85), 537-542.