**REFERENCES**

1. [K. Yoganandam](https://www.tandfonline.com/author/Yoganandam%2C+K), [P. Ramshankar](https://www.tandfonline.com/author/Ramshankar%2C+P), [P.Ganeshan](https://www.tandfonline.com/author/Ganeshan%2C+P) & [K. Raja](https://www.tandfonline.com/author/Raja%2C+K). *International Journal of Ambient Energy*, (2018). https://doi.org/[10.1080/01430750.2018.1477066](https://doi.org/10.1080/01430750.2018.1477066)
2. [K. Yoganandam](https://www.tandfonline.com/author/Yoganandam%2C+K), [P.Ganeshan](https://www.tandfonline.com/author/Ganeshan%2C+P), [B. Nagaraja Ganesh](https://www.tandfonline.com/author/NagarajaGanesh%2C+B), [K. Raja](https://www.tandfonline.com/author/Raja%2C+K). *Journal of Natural Fibres, (2019).* <https://doi.org/10.1080/15440478.2019.1588831>
3. V. Mohanavel, P. Periyasamy, M. Balamurugan, T. Sathish. *International Journal of Mechanical and Production Engineering Research and Development*, (2018) 473-478.
4. V. Mohanavel, A. Chockalingam, S. Suresh Kumar, R. Praveenkumar. *International Journal of Mechanical and Production Engineering Research and Development*, (2018) 377-382.
5. V. Mohanavel, S. Suresh Kumar, T. Sathish, K.T. Anand, *Materials Today Proceedings*, 5 (2018) 13601-13605.
6. V. Ranjith Kumar, V. Mohanavel, O. Maniyarasu. *International Journal of Mechanical and Production Engineering Research and Development*, (2018) 505-514.
7. V.Mohanavel, M. Karthick, D.L. Belginpaul. *International Journal of Applied Engineering Research*, 10 (2015) 12475-12481.
8. [K. Yoganandam](https://www.tandfonline.com/author/Yoganandam%2C+K), [P.Ganeshan](https://www.tandfonline.com/author/Ganeshan%2C+P), [B. Nagaraja Ganesh](https://www.tandfonline.com/author/NagarajaGanesh%2C+B), [K. Raja](https://www.tandfonline.com/author/Raja%2C+K). *Materals Research Express,* 6 (2019) 105341
9. V. Mohanavel, E. Arun Kumar, N. Devaraj, P. Kumar. *International Journal of Applied Engineering Research*, 10 (2015) 341-344
10. V. Mohanavel, K. Rajan, S. Suresh Kumar, T. Sathish, T. Adithiyaa, K. Mariyappan, *Materials Today Proceedings*, 5 (2018) 26860-26865.
11. K.K. Sanjib, A. Lakshya. *International Journal of Engineering Research and Application,* 7 (2017) 86-92.
12. B. Rashid, Z. Leman, M. Jawaid, M.J. Ghazali, M.R. Ishak. *Cellulose,* (2016) 1-12.
13. S. Siddika, F. Mansura, M. Hasan, A. Hassan, Fibers and Polymers, 15(5) (2014) 1023-1028.
14. Y.F. Shih, W.C. Chang, W.C. Liu, C.C. Lee, C.S. Kuan, Y.H. Yu, *Journal of the Taiwan Institute of Chemical Engineers*, 45 (2014), 2039–2046.
15. D. Yu, G. Arvinder, T. Hitoshi, J.H. Hazim, N.N. Antonio, L. Kin-Tak, *Composites: Part A,* 63 (2014) 76-84.
16. A. Zahid, G. Muhammad, I. Muhammad, *Journal of Radiation Research and Applied Sciences*, 7 (2014) 163-173.
17. N. Lu S. Oza. *Composites: Part B,* 44 (2013) 484–490.
18. M. Ramesh, K. Palanikumar, K.H. Reddy, *Procedia Engineering*, 51 (2013) 745-750.
19. M. Sakthivel, S. Ramesh, Mechanical properties of natural fibre (bananan, coir, sisal) polymer composites, *Science Park,* 1 (2013) 1-6.
20. F.Z. Arrakhiz, M.E. Achaby, M. Malha, M.O. Bensalah, O. Fassi-Fehri, R. Bouhfid R., K. Benmoussa, A. Qaiss, *Materials and Design,* 43 (2013) 200-205.
21. S.I. Hossain, M. Hasan, M.N. Hasan, A. Hassan, *Advances in Materials Science and Engineering,* 824274 (2013) 1-6.
22. J. Ronald Aseer, K. Sankaranarayanasamy, P. Jayabalan, R. Natarajan, K.D. Priya, *Journal of Natural Fibers*, 10 (2013) 365-380.
23. K. Obi Reddy, N.R.K. Raja, Jun Zhang, Jinming Zhang, A. Varada Rajulu*, Journal of Natural Fibers,* 10 (2013) 282-296.
24. S.H. Ahmad, R. Rasid, N.N. Bonnia, I. Zainol, A.A. Mamun, A.K. Bledzki, M.D.H. Beg, *Journal of Composite Materials,* 45 (2010) 203-217.
25. M.M. Kabir, H. Wang, K.T. Lau, F. Cardona, *Composites: Part B*, 43 (2012) 2883-2892.
26. K. Mylsamy, I. Rajendran, *Journal of Reinforced Plastics and Composites*, 29 (2010) 2925-2935.

**Reference**

1. Sajjadi, SA, Ezatpour, HR, Beygi, H.: Microstructure and mechanical properties of Al-Al2O3 micro and nano composites fabricated by stir casting, Materials Science and Engineering A, 528, 8765-8771 (2011).
2. Baradeswaran, A., Elaya Perumal, A.: Influence of B4C on the tribological and mechanical properties of Al 7075-B4C composites, Composites: Part B, 54, 146-152 (2013).
3. Mohanavel, V., Rajan, K., Ravichandran, M.: Synthesis, characterization and properties of stir cast AA6351-aluminium nitride (AlN) composites, Journal of Materials Research, 31(2), 3824-3831 (2016).
4. Akbari, MK., Baharvandi, HR., Mirzaee, O.: Investigation of particle size and reinforcement content on mechanical properties and fracture behavior of A356-Al2O3 composite fabricated by vortex method, Journal of Composite Materials, 48(27), 3315-3330 (2014)
5. Mohanavel, V., Rajan, K., Senthil, PV., Arul, S.: Production, microstructure and mechanical behaviour of AA6351/TiB2 composite synthesized by direct melt reaction method, Materials Today Proceedings, 4(2PA) 3315-3324 (2017).
6. Mohanavel, V., Rajan, K., Arul, S., Senthil, PV.: Mechanical behaviour of hybrid composite (AA6351+Al2O3+Gr) fabricated by stir casting method, Materials Today Proceedings, 4(2PA) 3093-3101 (2017).
7. Ravichandran, M., Dineshkumar, S.: Experimental investigations of Al-TiO2-Gr hybrid composites fabricated by stir casting, Materials Testing, 58 (3) 211-217 (2016).
8. Zhang, X., Li, W., Hong, C., Han, W.: Microstructure and mechanical properties of ZrB2-Based composites reinforced and toughened by zirconia, International Journal of Applied Ceramic Technology, Vol 5 Issue 5, 499-504, (2008).
9. Gautam, G., Mohan, A.: Effects of ZrB2 particles on the microstructure and mechanical properties of hybrid (ZrB2 + Al3Zr) AA5052 initu composites, Journal of Alloys and Compounds, 649, 174-183, (2015).
10. David Raja Selvam, J., Dinaharan, I., Vibin Philip, S., Mashinini.: Microstructure and mechanical characterization of in situ synthesized AA6061/(TiB2+Al2O3) hybrid aluminum matrix composites, Journal of Alloys and Compounds, 740, 529-535, (2018).
11. Mirovoi, Y.A., Burlachenko, AG, Buyakova, S.P., Sevostiyanova, I.N., Kulkov, S.N., Producing composite materials based on ZrB2, ZrB2-SiC, IOP Conference Series: Materials Science and Engineering, 156, 012035, 1-5, (2016).
12. Dinaharan, I., Murugan, N., Siva Parameswaran.: Influence of insitu formed ZrB2 particles on microstructure and mechanical properties of AA6061 metal matrix composites, Materials Science and Engineering A, 528, 5733-5740 (2011).
13. Naveenkumar, G., Narayanasamy, R., Natarajan, S., Kumareshbabu, SP., Sivaprasad, K., Sivasankaran, S.: Dry sliding wear behavior of AA6351-ZrB2 in situ composite at room temperature, Materials and Design, 31, 1526-1532 (2010).
14. Vasanth Kumar, R., Keshavamurthy, R., Chandra, S.P.: Microstructure and mechanical behaviour of Al6061-ZrB2 in-situ metal matrix composites, IOP Conference Series: Materials Science and Engineering, 149, 012062, 1-11, (2016).
15. Tian, K., Zhao, Y., Jiao, L., Zhang, S., Zhang, Z., Wu, X.: Effects of in situ generated ZrB2 nano-particles on microstructure and tensile properties of AA2024Al matrix composites, Journal of Alloys and Compounds, 594, 1-6, (2014).
16. Dinaharan, I., Murugan, N.: Dry sliding wear behavior of AA6061/ZrB2 in-situ composite, Transactions of Nonferrous Metals Society of China, 22, 810-818, (2012).
17. David Raja Selvam, J., Dinaharan, I.: 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, Vol 20 Issue 1, 187-196, (2017).