

Dr. A. Megalingam @ Murugan,
Associate Professor
Bannari Amman Institute of Technology,
Sathyamangalam.
Mob No: +91-9884646847
Mail id: mechmega@gmail.com

Publication Details:

1. **Megalingam, A.**, and K,S, Hanumanth Ramji,2020 “ A complete elastic-plastic spherical asperity contact model with the effect of isotropic strain hardening” Proc.I Mech E Part C: Journal of Mechanical Engineering Science (online).
- 2.**Megalingam, A.**, and K,S, Hanumanth Ramji,2020 “A Complete Single Asperity-Based Statistical Gaussian Rough Surface Contact Model” Journal of Bio-Tribo Corrosion,6:133.
3. **Megalingam, A.**, Kumar, M., Sriram, B., Jeevanantham, K., and P, Ram Vishnu 2020 “Borassus fruit fiber reinforced composite: A review” Materials Today: Proceedings (online).
- 4.Dhinesh, S,K., Arun Praksh, S., Senthil Kumar, K,L., and **A.Megalingam**,2020 “Study on flexural and tensile behavior of PLA,ABS and PLA-ABS materilas” Materials Today: Proceedings (online).
- 5.Govindaraju,M, **A Megalingam**, Jayaprakash Murugasan, R VairaVignesh, Pavan Kalyan Kota, A Sumanth Ram, P Lakshana and V Naveen Kumar, 2020 “Investigations on the tribological behavior of functionally gradient iron-based brake pad material” Proc.IMechE Part C: Journal of Mechanical Engineering Science (online).
- 6.Kumar,M., and **A. Megalingam**, 2019 “Tribological characterization of Al6061 /alumina /graphite /redmud hybrid composite for brake rotor application,” Particulate Science and Technology,37(3),pp.261-274.
- 7.Vinu Kumar, S. M., Suresha, B., Rajamurugan, G., and **A.Megalingam**, 2018“Mechanical and Abrasive Wear Behaviour of Cenosphere Filled Carbon Reinforced Epoxy Composites using Taguchi-Grey Relational Analysis,” Materials Research Express ,6(1),pp.015307.
- 8.Tajdeen, **A.,Megalingam**, A., Kumar, M., and B.Selvakumar,2018 “Multi response Optimization of Drilling Process Parameters of AZ31 Magnesium Alloys using Gray Relational Analysis Technique,” International Journal of Mechanical Production Engineering Research and Development, 8(7), pp.1104-1118.

9.Vitala, H, R., Dileep, B, P., **Megalingam, A.**, and K. Karthick,2018 “Mechanical and Tribological Characterization Nitrided Al-7075/Al₂O₃ Metal Matrix Composites,” Periodicals of Engineering and Natural Sciences,6(2),pp.64-70.

10.Kumar, M., Balaji, G, and **A, Megalingam** Murugan, 2018 “Experimental Investigations on Friction and Wear Behavior and Parameters Optimization of Al7075-T6 Alloy and Al7075/Alumina/Graphite/Redmud Hybrid Metal Matrix Composite using Gray Relational Analysis Technique,” International Journal of Mechanical Production Engineering Research and Development ,8(7),pp.39-46.

11.Kumar, M., **Megalingam, A.**, and V.Baskaran,2016 “Effect of sliding distance on dry sliding tribological behavior of Aluminium Hybrid Metal Matrix Composite (AlHMMC): an alternate for automobile brake rotor – A Grey relational approach,” Proc.IMEchE Part J: Journal of Engineering Tribology,230(4),pp.402-415.