

## **Dr. N. Kanthavelkumaran**

### Publications list

1. Prediction of Tool wear in Hard Turning of AISI4140 steel through Artificial Neural Network, Fuzzy Logic and Regression Models, Rajeev,D, Dinakaran,D, Kanthavelkumaran,N and Austin, N, International Journal of Engineering, Transactions A : Basics, Volume 31, Number 1, 160-165, January 2018.
2. Flyash-based geopolymer coating on coarse aggregates for bituminous concrete application, Srividya, D, Nagan, S.and Kanthavelkumaran N, ASIA LIFE SCIENCES 27(1): 71-91, 2018, The Asian International Journal of Life Sciences.
3. Influence of corner radius on ultimate strength of square concrete confined by fiber-reinforced polymer wrapping, D. Thanagar, P. Vincent and N. Kanthavelkumaran, ASIA LIFE SCIENCES 27(1): 31-59, 2018, The Asian International Journal of Life Sciences.
4. Improving the environmental performance of DI diesel engine using environment support fuel , N Kanthavelkumaran, Seenikannan P, Rethan Raj R, Kumaresh E, Journal of the Balkan Tribological Association 23 (2), 353-366.
5. Experimental Study of Surface Roughness in Hard Turning of AISI4140 Steel with Coated Carbide Tool, N.Kanthavelkumaran, D. Rajeev, D.Dinakaran, N.Austin, World Applied Sciences Journal, 34 (10), 1310-1317, 2016.
6. Exhaust Measurement and Emission Control – Biodiesel Involvement in Diesel Engine, Kanthavelkumaran N, Seenikannan P, Kumaresh E, AUTOMATIKA: Journal for Control, Measurement, Electronics, Computing and Communications, 57(2), 532–539 (2016), ISSN: 0005-1144 (1848-3380).
7. Prediction of Tool Wear in Hard Turning of AISI4140 Steel Through Artificial Neural Network and Regression Models, N.Kanthavelkumaran, D. Rajeev, D.Dinakaran, Middle-East Journal of Scientific Research 24 (7), 2289-2293, 2016.
8. Exhaust Emission and Performance Analysis on Diesel Engine – Biofuel (RSO) and its Diesel Blends, Kanthavelkumaran N, Seenikannan P, Kumaresh E, Rethan Raj R, IEEE Xplore, 157-161, ISBN: 978-1-4673-9925-8.
9. Measuring and Controlling the Exhaust Emission from DI Diesel Engine Using Biofuel as an Environment Fuel, N Kanthavelkumaran, P Seenikannan, E Kumaresh, Measurement and Control 48 (10), 313-319.

10. Global Impact and Gaseous Emissions of Ethanol Bio-Diesel Blended Fuel in Diesel Engine, N.Kanthavelkumaran, P.Seenikannan, International Journal of Applied Engineering Research 10 (28), 21872 – 21876.
11. Environment Friendly Mixed Refrigerant to Replace R-134a in a VCR System with Exergy Analysis, .Austin, Dr.P.M.Diaz, D.S.Manoj Abraham, N. Kanthavelkumaran, Advanced Materials Research Vols. 984-985 (2014) pp 1174-1179.