


Faculty Profile

	Mr. M. BALACHANDAR	Academic Credentials <ul style="list-style-type: none"> • Under-Graduation: B.E (Mechanical Engineering) – University of Madras • Post-Graduation: M.E (New Product Design and Development) – Anna University
Designation	Assistant Professor (SG)	Experience
E-Mail ID:	mbalachandar@hindustanuniv.ac.in	<ul style="list-style-type: none"> • Teaching – 19 years
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57208233248	Research Areas
Google Scholar	https://scholar.google.com/citations?pli=1&authuser=1&user=s2zp5WkAAAAJ	<ul style="list-style-type: none"> • Bio-Energy • Material Characterization • Tribology • Optimizations studies
Recent Publications		
<ol style="list-style-type: none"> 1. Balachandar M, Hariram, V., Vinothkumar, M., Scenedesmus obliquus and chlorella vulgaris - A Prospective Algal fuel Source, Nature Environment and Pollution Technology, 2022, Volume 21, pp. 2129–2139 2. Hariram, V., Saravanan, .A., Nadanakumar, V, Balachandar, M, Seralathan, S, Vasudev, K.L. Optimized Grapeseed Biodiesel Production and its Effect on the CI engines Combustion Characteristics at Variable Compression Ratios, International Journal of Vehicle Structures and Systems,, 2022, 14(2), pp. 242–256 3. Venkatesan, H., Johnrose, G.J., Arumugam, S., Mari, V.K., Moorthy, Balachandar., Stalin, J.S., Vasudev, K.L. Optimized Biodiesel Production from C. Inophyllum Bio-Oil Using Kriging and ANN Predictive Models (2022) <i>Thermal Science</i>, 26 (5), pp. 4217-4232. 4. Padmanaba Sundar. S, Vijayabalan, P, Balachandar, M, Sathya murthy, R, Chamkha, A, J. Influence of oxygen enrichment on performance, combustion, and emission characteristics of a stationary diesel engine fuelled with Calophyllum Inophyllum biodiesel blend, Asia Pacific Journal of Chemical Engineering, 2020, 15(4), 1-6 5. Balaji D, Pillai TM, Gnanasekaran K, Balachandar M, Ravikumar TS, Sathish S, Sathyamurthy R. Dataset for compression ignition engine fuelled with corn oil methyl ester biodiesel. Data in brief. 2019, PP.1-6, 		
Awards and Honours		
1.	Reviewer of Materials Today Proceedings	
2.	Member of ISTE	