

CENTRE FOR RESEARCH



ANNA UNIVERSITY, CHENNAI – 600 025

LIST OF PUBLICATION OF DC MEMBER



Name of the Scholar : Vinitha.T

Programme : Ph.D. (PT)

Research Topic : Studies on Tribological Behavior of Bio-Based Polymer Composites

Name of the Supervisor: Dr. M. RAMESH / 2620070

Member from other University / Institutions

Name of the member: Dr. Lakshmanan T

S.No	Title	Year of Publication
1	A.A Jeyakumar, N.P. Akshy Ramaseshan, T.Lakshmanan, Tribological analysis on Basalt/aramid hybrid reinforced polyimide composites: An Alternate brake pad Material. Tribology in industry DOI:10.2874/ti.912.06.20.12	2020
2	Janakiraman S, Lakshmanan Thangavelu Chandran.V and Lingesan Subramani, Comparative behavior of various nano additives in a DIESEL engine powered by novel Garcinia gummi- gutta biodiesel. International Journal of Cleaner Productions Volume 245, 1 February 2020.	2020
3	Ravikumar J, Lakshmanan Thangavelu and Chandran V .Experimental Investigation on the Effect of Ignition Enhancers in the Blends of Sapota Biodiesel/Diesel Blends on a CRDi Engine. International Journal of Energy Fuels 2019,volume 33, 2019	2019
4	Chandran V, Manvel Raj, T, Lakshmanan, T, Sound and vibration behavior assessment of different sizes of waste tyre rubber in natural rubber composites for damping applications– Chiang mai journal of Science(Impact factor 0.62)- volume 45(1) : 515-527, 2018	2018
5	Dillibabu, V, Lakshmanan, T & Natarajan, E, 'Energy, exergy and sustainability analysis of rice husk air gasification process', Thermal science, https://doi.org/10.2298/TSCI170613068V (Annexure-I)(ISSN 2334-7163) (IF -1.45), 2018	2018
6	Dillibabu, V, Lakshmanan, T & Natarajan, E, 'Air and oxygen gasification simulation analysis of sawdust', Thermal science, https://doi.org/10.2298/TSCI170613102V (Annexure-I) (ISSN 2334-7163) (IF -1.45), 2018	2018
7	Chandran, V, Manvel Raj, T, Lakshmanan, T, 'Influence of natural rubber composite on different fillers to assess mechanical performance', International Journal of Engineering Transactions C, vol. 28, pp. 881-893. 2015	2015

8	A. Khadeer Ahmed and Lakshmanan Thangavelu Bio Diesel from Sapote Seed Oil and its Effect on Engine Performance, Combustion and Emission Characteristics in a Diesel Engine. International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 6, December 2016	2016
9	Janakiraman S and Lakshmanan Thangavelu Effect of Bioethanol as Intermixed Fuel on Compression Ignition Engines International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 6, December 2016	2016
10	S Janakiramana and Thangavelu Lakshmanan Performance and Emission Analysis of Bioethanol Diethyl Ether Fuelled Compression Ignition Diesel Engines 2015. Int. J. Vehicle Structures & Systems, 7(4), 149-153	2015
11	Chandran, V, Manvel Raj, T, Lakshmanan, T, Paper titled "Evaluation of Performance of Natural Rubber Composites with Different Sizes of Waste Tyre Rubber (WTR)" Published by Springer. The Arabian Journal for Science and Engineering 40:1187-1196. 2015	2015
12	Narendranath Babu, Manvel Raj, T, Lakshmanan, T, Paper titled "Application of Butterworth filter for fault diagnosis on journal bearing" Published by Journal of Vibro engineering May2014, Vol. 16 Issue 3, p1602-1617	2014
13	Narendranath Babu, Manvel Raj, T, Lakshmanan, T, Paper titled "Application of high frequency acceleration envelope power spectrum and ANN for fault diagnosis on bearing under various load condtns" published by IREME, Vol 8 No 4 2014.	2014
14	Narendranath Babu, Manvel Raj, T, Lakshmanan, T, Paper titled "High Frequency Acceleration Envelope Power Spectrum for Fault Diagnosis on Journal Bearing using DEWESOFT" published by Research Journal of Applied Sciences, Engineering and Technology, volume 8, P1225-1238, 2014	2014
15	<u>T. Narendranath Babu, T. Manvel Raj and T. Lakshmanan</u> A Review on Application of Dynamic Parameters of Journal Bearing for Vibration and Condition Monitoring <u>Volume 31, Issue 4</u> August 2015, pp. 391-416	2015
16	Chandran, V, Manvel Raj, T, Lakshmanan, T, Application of Ground Tire Particle (GTP)-Silica (Si) in Partial Natural Rubber Compounds for Solving Environmental Problems', International Journal of Applied environmental science, vol. 9, pp. 1959-1967, 2014	2014
17	Paper titled "Experimental investigation of port injection of acetylene in DI diesel engine in dual fuel mode" Published in Fuels journal, Elsevier publication.90, page 2571-2577, 2011.	2011
18	Paper titled "Study of EGR in acetylene in DI diesel engine in dual fuel mode" Published in Energy journal, Elsevier publication. 36, page 3547-3553, 2011.	2011
19	Paper titled "Experimental investigation of acetylene in DI diesel engine in dual fuel mode" published in Fuel processing technology, Elsevier publication 91, page 496-503, 2010.	2010
20	Paper titled "Experimental investigation of manifold injection of acetylene in DI diesel engine in dual fuel mode" published in Energy, Elsevier publication.	2010

	35, page 3172-3178. 2010.	
21	Paper titled "Experimental investigation of performance and emission characteristics of using acetylene gas in CI engine" published in JJME journal, Jordan. Volume 3, No 2. Page 125-130, June 2009.	2009