

RESEARCH SUPERVISOR DETAILS

NAME (CAPITAL LETTERS) **Dr. K. KARUPPASAMY**
DESIGNATION Assistant Professor
DEPARTMENT Mechanical Engineering
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Engineering
SUPERVISOR REG. NO 2420169



TOTAL .NO.OF RESEARCH SCHOLAR (ONGOING): **04**

REGISTER NUMBER (FULL TIME)	NAME OF THE SCHOLAR
	NIL

REGISTER NUMBER (PART TIME)	NAME OF THE SCHOLAR
1514289726	Ganesh Kumar P
1514289736	Neopolean P
1614289111	Suresh K
19132991146	Hari Viswanath

RESEARCH SCHOLARS (COMPLETED): **01**

REGISTER NUMBER(FT/PT)	NAME OF THE SCHOLAR
1619289107	Chandra Sekhar S

PUBLICATIONS OF THE SUPERVISOR:

NAME	YEAR	TITLE	JOURNAL NAME	VOLUME & ISSUE	IMPACT FACTOR
Sharon, H., Karuppasamy, K., Soban Kumar, D. R., Sundaresan, A.	2012	A test on DI diesel engine fueled with methyl esters of used palm oil	Renewable Energy	Vol. 47, pp.160—166	6.274
Sharon, H., Jayaprakash, R., Karthigai selvan, M., Soban kumar, D. R., Sundaresan, A., Karuppasamy, K.	2012	Biodiesel production and prediction of engine performance using SIMULINK model of trained neural network	Fuel	Vol:99, pp.197–203	5.128
Karuppasamy, K., Syed Abu Thaheer A., Ahmed Basha, C. and Manivannan A.	2012	Effect of biodiesel blends on single cylinder DI diesel engine and optimization using Response Surface Methodology	European Journal of Scientific Research	Vol. 84 No. 3, pp.365-376,	0.713
Karuppasamy, K., Syed Abu Thaheer, A. and Ahmed Basha	2013	Biosynthesis and characterization of biodiesel from cottonseed oil using pseudomonas fluorescences lipase and the performance of its blend (B20) in diesel engine	Chemical and Biochemical Engineering quarterly	Vol.27, No.2	0.960
Vinoth, T., Karuppasamy, K., Santhosh Kumar, D., and Dhanuskodi, R.	2014	Numerical investigation of heat and mass flux effects on heat transfer characteristics of supercritical water in an upward flow vertical tube.	Applied Mechanics and Materials	Vols. 592-594, pp. 1667-1671	-
Sivaram AR., Karuppasamy K., Rajavel R., Jagadesh Vikram,C.	2015	Performance analysis of a inverted downdraft biomass wood stove	International Journal of Mechanical Engineering and Technology	Volume 6, Issue 8, Aug 2015, pp. 144-155.	-
Karuppasamy, K.,	2017	The Impact of various Nano	Asian Journal of Research in	2017, Vol. 7, (2), pp.483-	0.676

Chandrasekhar, S., Sathiyamoorthy K.		Additives Blended with Diesel and Biodiesel on DI Diesel Engine Performance, Combustion and Emission Parameters-A Mini-Review	Social Sciences and Humanities	496.	
S. Chandra Sekhar, K.Karuppasamy and K.Sathiyamurthy	2017	Study on Optimization of Cottonseed oil Transesterification Process	International Journal of ChemTech Research	Vol. 10(5): pp.122-130.	0.47
N Sathya, K Karuppasamy, P Suresh	2017	Contourlet transform and morphological reconstruction based retinal blood vessel segmentation	International Journal of Biomedical Engineering and Technology	vol.25 No.(2- 4), pp.105- 119	1.0
Chandra Sekhar S, Karuppasamy K, Vedaraman N, Kabeel A.E., Ravishankar Sathyamurthy, Medhat Elkelawy, Hagar Alm ElDin Bastawissi	2018	Biodiesel production process optimization from Pithecellobium dulce seed oil:Performance, combustion, and emission analysis on compression ignition engine fuelled with diesel/biodiesel blends	Energy Conversion and Management	Vol.161, pp.141–154	7.181
Medhat Elkelawy, Hagar Bastawissi, S. Chandra Sekar, K. Karuppasamy, N. Vedaraman, Karuppiah Sathiyamoorthy, Ravishankar Sathyamurthy,	2018	Numerical and Experimental Investigation of Ethyl Alcohol as Oxygenator on the Combustion, Performance, and Emission Characteristics of Diesel/Cotton Seed Oil Blends in Homogenous Charge Compression Ignition Engine.	SAE Technical Paper	2018-01- 1680,	0.51
Sundaramahalingam A., Jegadheeswaran	2019	Influence of EGR on performance,	International Journal of	Vol. pp. 204- 217 Vol. 9	-

S., Karuppasamy K., Ponmurugan M.,		emissions and combustion of a diesel engine operated on blends of castor oil methyl ester	Mechanical and Production Engineering Research and Development	(1), 203-219.	
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HONOURS / AWARDS (RECEIVED FROM PUBLISHER): NIL