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AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF,

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DEPARTMENT OF MECHANICAL ENGINEERING

NAME & INITIALS	K.BALASUBRAMANIAN	
DESIGNATION	ASSOCIATE PROFESSOR	
EDUCATIONAL QUALIFICATION	B.E, M.E,(PhD)	
EXPERIENCE	17 YEARS	
DATE OF JOINING	02 / 12 / 2019	
EMAIL ID	k. balasubramanian_@aalimec.ac.in	
AREA OF SPECIALISATION	Internal combustion Engineering	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
B.E	MECHANICAL	ST.PETER'S ENGINEERING COLLEGE	MADRAS UNIVERSITY	2001
M.E	INTERNAL COMBUSTION ENGINEERING	COLLEGE OF ENGINEERING GUINDY CAMPUS, ANNA UNIVERSITY	ANNA UNIVERSITY	2009
PhD	MECHANICAL (PURSUING)	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	PURSUING (SYNOPSIS SUBMISSION)

PROFESSIONAL MEMBERSHIPS

INDIAN SOCIETY OF TECHNICAL EDUCATION (**ISTE LIFE TIME MEMBERSHIP**(ISTE)-
LM 112903

SOCIETY OF AUTOMOTIVE ENGINEERS (**SAE**) 7150410448

IAENG MEMBERSHIP

FDP ATTENDED

K Balasubramanian , Attended one week FDP On ME6301-POWER PLANT
ENGINEERING, at Velammal Institute of Technology ,Chennai.

WORKSHOPS ATTENDED

K Balasubramanian,, ISTE sponsored two days work shop on “innovative pedagogies
for quality development in Engineering Education” 24and 25th January 2020 At
R.M.K Engineering college.

SEMINARS ATTENDED

PUBLICATION DETAILS

K Balasubramanian , K Purushothaman ,, [Effect of acetylene addition on performance, emission and combustion characteristics of neem biodiesel and corn biodiesel-fueled CI engine](#), **Springer International Publishing (Web of science)** , ISSN 1388-6150,Volume 138 No 2, P .No 1405-1414,
<https://doi.org/10.1007/s10973-019-08269-7>

K Balasubramanian, K Purushothaman ,, Effect Of Acetylene addition In Safflower Biodiesel Fueled CI Engine-An Experimental Study, Energy Sources, Part A: Recovery, Utilization, And Environmental Effects, **Energy Sources, Part A: Recovery, Utilization, And Environmental Effects, Taylor &Francis**

K Balasubramanian, K Purushothaman ,, Performance, emission and combustion

<p>characteristics of safflower biodiesel, Neem biodiesel and corn Biodiesel- fuelled in a CI engine, Nature Environment and pollution Technology (NEPT), (Scopus Indexed journal), p-ISSN: 0972-6268 e-ISSN:2395-3454, Vol. 18,No.4,Dec 2019.</p>
<p>K Balasubramanian , N Nithyanandan, B Dhanasakkaravarthi, GS kumar, , Utilization of green energy in refrigeration and air conditioning system, International journal of advanced Engineering and research development ,volume 4,issue 4,2018.</p>
<p>G. Senthilkumar, S. Manoharan, K. Balasubramanian, B. Dhanasakkaravarthi,, An Experimental Investigation of Metal Matrix Composites of Aluminium (Lm6), Boron carbide and Fly ash, Australian journal of basic and applied sciences, Volume10 Issue january 2016 Pages 137-144 (Annexure-II Journal)</p>
<p>S. Manoharan, G. Senthilkumar, K. Balasubramanian, B. Dhanasakkaravarthi,, , Investigation on Properties of Banana and Bamboo fiber composites by experimentation, Middle -East journal of scientific Research ,Issue2016,Pages16-18.</p>
<p>N. Nithyanadan, S. Sendilvelan, K. Balasubramanian, S. Manoharan,, Reduction of HC/CO Emission fromSI Engine by using Transition metal oxide catalyst ,International journal of applied Engineering research, Volume10 Issue 4 Pages 11385-11392,</p>
<p>B. Dhanasakkaravarthi, K. Balasubramanian, S.Santhosh kumar, P. Ramalingam,, Structural Analysis of fillet weld based on the shape of the weld bead by using Ansys, International journal of applied Engineering research, Volume10 Issue39,</p>
<p>B. Dhanasakkaravarthi, K. Balasubramanian, V.Vinod kumar, V. Sharun,, Improved method of rib levelling in an AP impeller fabrication, International journal of advanced Engineering and research development, Volume5,Issue4, April 2018.</p>
<p>B. Dhanasakkaravarthi, K. Balasubramanian, T.P. Suresh, S.Santhosh kumar ,, Design and analysis of Flange in stainless steel exhaust Manifold, International journal of advanced Engineering and research development, Volume5,Issue 4, April</p>
<p>B. Dhanasakkaravarthi, K. Balasubramanian, V. sharun, S.Santhosh kumar,, Design and Analysis of anoffset fin in an Radiator, International journal of advanced Engineering and research development, Volume5 ,Issue 4, April 2018.</p>
<p>A. Baskar, N. Nithyanandan, B. Dhanasakkaravarthi, K. Balasubramanian,, Role of industry in technical education -present scenario, Journal of emerging technologies and innovative research,, Volume 5,Issue11,Nov 18.</p>

CONFERENCE DETAILS

K Balasubramanian, K Purushothaman,, Transesterification and Properties assessment Of Neem , Safflower And Corn Oil For CI Engine Applications.

Proceedings of **International conference** on Biomass, Fuel and chemicals, Bifuchemi19, **Annamalai University Sep 12& 13 2019, Bifuchemi19**, ISBN

~~BOOK NO. 978-93-97662-86-9, PAPER ID: BIFC-EE-6-NO-50-PNO-171~~
K Balasubramanian, K Purushothaman,, Experimental Investigation On CI Engine Fuelled With Acetylene Gas And Safflower Oil, "National Conference on Emerging Trends in Mechanical Engineering and its applications - **02 APR 19 NCETMEA**

K Balasubramanian ,,Design And Fabrication Of Hybrid Vehicle Using Green Energy ICRAMET'2016 JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES,AVIT.

ACHIEVEMENT DETAILS

1. Waste heat Recovery from the refrigeration systems

Indian society of Technical Engineers Award for the **Best Project Guide.**

2. Design and fabrication of Hybrid vehicle using green energy

Institution of Engineers Award for the **Best Project Guide.**