




AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF MECHANICAL ENGINEERING

NAME & INITIALS	Dr.Mohd.F.Shabir	
DESIGNATION	Professor	
EDUCATIONAL QUALIFICATION	B.E., M.E., Ph.D.	
EXPERIENCE	25 years	
DATE OF JOINING	01.12.2011	
EMAIL ID	mohd.shabir@aalimec.ac.in	
AREA OF SPECIALISATION	Mechanical Engineering	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	Mechanical Engineering/I.C.Engineering	College of Engineering, Guindy	Anna University, Chennai	2010
M.E.	Mechanical Engineering/I.C.Engineering	College of Engineering, Guindy	Anna University, Chennai	2003
B.E.	Mechanical Engineering	Dr.M.G.R. Engineering College, Chennai	University of Madras	1995

PROFESSIONAL MEMBERSHIPS

Life member in Indian Society for Technical Education, LM 43456.

FDP ATTENDED

Acted as a Convener for “Faculty Development and Training Program” (FDTP) on **Engineering Graphics** – Anna University Approved (2015),

Keynote Speaker in **Faculty Development Programme (FDP)** on the subject "**Engineering Graphics**" on the topic Perspective Projection held from 01.07.2013 to 02.07.2013 organized by Department of Mechanical Engineering, Aalim Muhammed Salegh College of Engineering.

Attended Faculty Development Programme on "**Labview Software**" Organized by Department of Electronics and Communication Engineering, Aalim Muhammed Salegh College of Engineering, Avadi, Chennai, December 3rd and 4th, 2012.

WORKSHOPS ATTENDED

Conducted "**Workshop on Robotics**" for the students of Mechanical Engineering in association with Department of Electrical and Electronics Engineering (2015).

Attended One day Workshop on "**Computational Fluid Dynamics**" Organized by Sri Sai Ram Engineering College, Chennai, February 5th, 2004.

SEMINARS ATTENDED

Convener – One day National seminar on "**Recent trends in Mechatronics**" Organized by Department of Mechanical Engineering, Sriram Engineering College, Chennai, 21st March 2011, Sponsored by DRDO, New Delhi for an amount of Rs.25,000/-.

Attended National Seminar on "**Electronic Engine Management System**" Organized by Department of Automobile Engineering, MIT, Anna University, Chennai, March 10th & 11th, 2006.

PUBLICATION DETAILS

P.Muniraja Chandra, **Mohd. F. Shabir**, R.Manikandan, L. Prabakaran, H. Mujeeb Khan and B. Narayana Murthy, S. Selvi (2020), "A study on developing 3 dimensional architecture array of solar park above railways", Materials Today Proceedings (Elsevier).

R.Manikandan, **Mohd. F. Shabir**, T.Raja, P. Muniraja Chandra, Syed Salman and I. Vasim Akram (2020), " Effect of various phase change materials (paraffin wax/hydrogenated vegetable oil) packed in a fabricated shell and tube type heat exchanger", Materials Today Proceedings (Elsevier).

R.Mohamed Iqbal, **Mohd.F.Shabir**, B. Dilip Jerold, S. Sathish, S. Mohamed Abbas, R. Manikandan, P. Mohamed Riswan, I. Mohamed Raseen, M.A. Mohamed Samirudeen (2015), "Investigation on the thermal properties of multilayered ceramic coatings deposited using atmospheric plasma spraying", International Journal of Materials and Research Innovation, Vol.19, Issue S8, pp. 301-305.

P.Muniraja Chandra, S.Mohamed Abbas, **Mohd.F.Shabir**, R.Manikandan, B.Dilip Jerold (2015), "Performance and Combustion Characteristics of a Compression Ignition Engine Using Honne oil blends", International Journal of Machine and Construction, Volume 2, Issue 1.

<p>P.Muniraja Chandra, Ayaz Ahmed, Mohd.F.Shabir, S.Mohamed Abbas (2015), "Prediction on Increasing the Efficiency of Single Cylinder DI Diesel Engine Using EGR System", International Journal of Modern Engineering Research (IJMER), Vol.5, Issue 3, p. 30.</p>
<p>S.Srilakshmi, Mohamed Abbas, P.Muniraja Chandra, R.Manikandan, Mohd.F.Shabir, B.Dilip Jerold (2015), "Comparison and effect of Different Shot Peening Parameter on Steel Blades with 12% Cr", Journal of Recent Research in Engineering and Technology, Vol.2, Issue 2.</p>
<p>Mohd. F. Shabir, Packirisamy Tamilporai, and Baluchamy Rajendra Prasath, (2014), "Analysis of Combustion Performance and Emission of Extended Expansion cycle and iEGR for Low heat rejection Turbocharged Direct injection diesel engines", Thermal Science, Vol. 18, No. 1, pp. 129-142.</p>
<p>S.Sathish, C.S.Swaminathan, C.Senthilvel, B.Dilip Jerold, Mohd.F.Shabir, M.Geetha, (2014), "Investigation on the corrosion behavior of the bilayered ceramic coatings deposited using atmospheric plasma spraying", Procedia Technology (Elsevier), 12, 301-307.</p>
<p>Rajendra Prasath B, P.Tamilporai, Mohd.F.Shabir, Devan P.K. and Vigneshvaran S. (2012), 'Combustion and performance analysis of single cylinder DI diesel engine using Jatropha biodiesel and its blends', Applied Mechanics and Materials, Vol. 110-116, pp. 3-7.</p>
<p>Rajendra Prasath B., Tamilporai P. and Mohd. F. Shabir (2010), 'Analysis of Combustion, Performance and Emission Characteristics of Low Heat Rejection Engine Using Biodiesel', International Journal of Thermal Sciences, Vol. 49, pp. 2483-2490.</p>
<p>Mohd. F. Shabir, Tamilporai P. and Rajendra Prasath B. (2010), 'Low Heat Rejection Engines - Review', SAE paper no. 2010-01-1510.</p>
<p>Mohd. F. Shabir, Tamilporai P. and Rajendra Prasath B. (2010), 'Analysis of Combustion, Performance and Emission Characteristics of Turbocharged LHR Extended Expansion DI Diesel Engine', World Academy of Science, Engineering and Technology, Vol. 61, pp. 60-71.</p>
<p>Rajendra Prasath B., Tamilporai P. and Mohd. F. Shabir (2010), 'Tow-zone modeling of diesel/biodiesel blended fuel operated ceramic coated direct injection diesel engine', International Journal of Energy and Environment, Vol.1, Issue 6, pp. 1039-1056.</p>
<p>Rajendra Prasath B., Tamilporai P. and Mohd. F. Shabir (2010), 'Theoretical Modeling and Experimental Study of Combustion and Performance Characteristics of Biodiesel in Turbocharged Low Heat Rejection D.I Diesel Engine', World Academy of Science, Engineering and Technology, Vol. 61, pp. 435-445.</p>
<p>Rajendra Prasath B., Tamilporai P., Mohd. F. Shabir and Senthil Kumar T. (2010), An Experimental Comparison Of Combustion, Performance And Emission In A Single Cylinder Thermal Barrier Coated Diesel Engine Using Diesel And Biodiesel", Global Journal of Science Frontier Research, Vol. 10, Issue 4, pp. 2-8.</p>
<p>Rajendra Prasath B., Tamilporai P., Mohd. F. Shabir and Senthil Kumar T. (2007), 'Simulation and Analysis of Combustion, Performance and Emission Characteristics of Biodiesel Fueled Low Heat Rejection Direct Injection Diesel Engine', SAE paper no. 2007-32-0094.</p>

CONFERENCE DETAILS

P. Anthoni Raj, T. Fakrudin Ali Ahamed, B. Sheik Mohammed Ali, A. Vijaykumar, T. Shaafi, **Mohd F. Shabir**, B. Dilip Jerold, S.Sathish, S. Mohammed Abbas (2016), "Performance and Emission Characteristics of a DI Diesel Engine running on Diesel-WCME (Waste Cooking Methyl Ester) blends with Nanoadditives", International Multidisciplinary Research Conference, Srilanka, pp.87-93.

Mohamed Iqbal R, **Mohd.F.Shabir**, Dilip Jerold B, Sathish S, R.Manikandan, Mohamed Riswan P, Mohamed Raseen I, Mohamed Samirudeen M.A, "Investigation on the thermal properties of the multilayered ceramic coatings deposited using atmospheric plasma spraying", International Conference On Materials Research And Engineering (ICMRE 2015), January 30th – 31st 2015, Shanghai, China. Funded by Department of Science and Technology (DST), New Delhi, Government of India.

Rajendra Prasath B, P.Tamilporai, **Mohd.F.Shabir**, Devan P.K. and Vigneshvaran S. (2011), 'Combustion and performance analysis of single cylinder DI diesel engine using Jatropha biodiesel and its blends', International Conference on Mechanical and Aerospace Engineering (ICMAE 2011), 29th to 31st July 2011, Bangkok, Thailand.

Mohd. F. Shabir, Tamilporai P. and Rajendra Prasath B. (2010), 'Analysis of Combustion, Performance and Emission Characteristics of Turbocharged LHR Extended Expansion DI Diesel Engine', International Conference on Mechanical, Industrial, and Manufacturing Engineering, 29th to 31st January 2010, Cape town, South Africa. Funded by Tagore Engineering College, Vandalur, Chennai, Tamilnadu, India

Conducted a 2 day national conference on "**Emerging Trends in Energy Engineering**" organized by Department of Mechanical Engineering, Sriram Engineering College – Funded by AICTE, New Delhi (2011).

ACHIEVEMENT DETAILS

Received "**Best Teacher Award**" from Education Today Magazine – 2014.

Received "**Best Engineering Teaching Award**" from Education Matters – 2014.

Achieved 100% result in "**Engineering Graphics**" in University Examinations Results – 2014.