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Present Position

Professor, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai from January-2009.

Previous Positions

- > Assistant Professor, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during January-2000 and December-2008.
- > Lecturer, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai from April-1989.

Previous Additional Responsibility

- > Deputy Director, Centre for Technology Development and Transfer, Anna University, Chennai.
- > Deputy Director, Centre for Academic Courses, Anna University, Chennai.
- > Head Of The Department, Department of Automobile Engineering, Anna University, Chennai.

Other Employment

- > Associate Lecturer, IRTT, Erode, Tamilnadu for 2 years.

Degree

- ❖ M.E. in Automobile Engineering, M.I.T Campus, Anna University (1984 - 1987).
- ❖ B.Tech. in Automobile Engineering, M.I.T campus, Anna University (1979 - 1982).
- ❖ B.Sc. in CHEMISTRY , Tagore Arts Collage, Pondicherry, University of Madras (1976 - 1979).

Research Degree

- ❖ Ph.D. in Automobile Engineering from Faculty of Engineering (M.I.T), M.I.T Campus, Anna University (1993 - 1997).
Title: Multizone modelling and prediction of pollutants of an automotive diesel engine.

Membership in Professional Organization

- > M.S.A.E

Research Guidance

Number of Ph.D Scholars Guided	: 10
Number of Ph.D Scholars Guiding	: 5
Number of M.E./ M.Tech. Projects Guided	: 45
Number of M.E./ M.Tech. Projects Guiding	: 2

Papers Published in Journals

Research Papers Published in International Journals	: 25
Research Papers Published in National Journals	: 4

1. Premnath S & Devaradjane G, "A simulation study of air flow in different types of combustion chambers for a single cylinder diesel engine.", Thermal Sciences, Vol. 20, Issue 4, pp. S1145-S1151
2. "Effects of split injection on diesel engine pollutants using multizone model ", Engineering and Material Sciences , Vol. 8, pp. 129-135 (2001).
3. A.K. Babu, Dr. G. Devaradjane, "Vegetable oils and their derivatives as fuels for C.I. engines ", 2003 SAE Transactions , (2003).
4. S. Sundarapandian, Dr. G. Devaradjane, "Computer Simulation of C.I Engine using Vegetable Oil Esters", Journal on Engineering & Technology , Vol. 2, pp. 94-104 (2007).
5. S. Sundarapandian, Dr. G. Devaradjane, " Performance and Emission Analysis of Bio-Diesel Operated CI Engine ", Scientific Journals International , Vol. 1, Issue 2, (2007).
6. Dr. G. Devaradjane and others, "Effect of injection time on the performance and emission of Non-edible nerium Biodiesel Operated diesel engine ", Applied Engineering Research , Vol. 5, pp. 14 (2010).
7. M. Kumaresan and Dr. G. Devaradjane, "Experimental investigation on the effect of split injection concept and the performance and emission characteristics of DI diesel engine using diesel oxygenated compound blends ", Future Engineering and Technology , Vol. 5, Issue 4, (2010).

8. M. Kumaresan and Dr. G. Devaradjane, "Experimental investigation of performance and emission characteristics of oxygenated compounds in a DI diesel engine using split injection method ", Engineering and Materials Sciences , (2010).
9. M.P. Sudeshkumar and Dr. G. Devaradjane, "Experimental analysis on the blends of oxygenated fuels with diesel in a direct injection diesel engine for performance evaluation and emission ", Material Sciences, Vol. 7, pp. 229-234 (2010).
10. Dr. G. Devaradjane, "Influence of injection timing on performance, emission, combustion analysis and sound characteristics of Nerium biodiesel operated single cylinder four stroke cycle direct injection diesel engine ", Material Science Research , Vol. 5, pp. 1 (2010).
11. M.P. Sudeshkumar and Dr. G. Devaradjane, "Experimental analysis on engine performance and exhaust emission characteristics of CI engine running with blends of ignition improvers ", Applied Engineering Research , pp. 1937-1946 (2010).
12. M. Venkatraman and Dr. G. Devaradjane, "Experimental investigation on performance and emission characteristics of diesel - jatropha methyl ester blends fueled diesel engine at optimum engine operating parameters", Material Sciences, published by Material Science Research India-Bhopal . Vol. 7, pp. 399-406 (2010).
13. M. Venkatraman and Dr. G. Devaradjane, "Effect of compression ratio, injection timing and injection pressure on a DI Diesel engine for better performance and emission fueled with diesel-diesel biodiesel blends", Applied Engineering & Research , published by Integrated publishing association-Dindugul . Vol. 3, pp. 288-298 (2010).
14. M. Venkatraman and Dr. G. Devaradjane, "Experimental investigation of performance and emission characteristics of diesel-pungam oil methyl esters (PME) diesel blends fueled DI diesel engine at optimum engine operating parameters ", Green Energy and Environment published by cape Institute of Technology-Kanyakumari, Vol. 1, Issue 3, pp. 7-12 (2010).
15. M. Kumaresan and Dr. G. Devaradjane, "Effect of split injection concept on emission levels of oxygenated diesel operated CI engines ", Material Sciences , Vol. 6, (2010).
16. M. Kumaresan and Dr. G. Devaradjane, "Experimental investigation of performance and emission characteristics of diesel in a Di Diesel Engine using double lobed cam split injection method", Advanced Engineering Technology, IJAET , (2011).
17. M.P. Sudeshkumar and Dr. G. Devaradjane, "Effects of 2-ethoxy ethanol and 2-methoxy ethanol additives on engine performance and tail pipe emissions in a DI diesel engine", Green Energy and Environment, Vol. 1, pp. 8-12 (2011).
18. M.P. Sudeshkumar and Dr. G. Devaradjane, "Development of a simulation model for compression ignition engine running with ignition improver blend ", Internation Scientific Journal , Vol. 15, pp. 1131-1144 (2011).
19. M. Venkatraman and Dr. G. Devaradjane, "Computer modeling of a CI engine for optimization of operating parameters such as compression ratio, injection timing and injection pressure for better performance and emission using diesel-diesel bio", American journal of Applied Sciences , published by Science Publications New York, USA . Vol. 8, Issue 9, pp. 897-902 (2011).

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20. P.D. Jeyakumar and Dr. G. Devaradjane, "Roollover analysis of bus body structure ", European Journal of Scientific Research , Vol. 71, pp. 64-71 (2012).
 21. P D Jeyakumar, G Devaradjane, " Energy absorption by square, circular, pentagon and hexagonal steel tubes under impact loding for automotive crush box applications.", International Review of Mechanical Engineering, published by Praise Worthy Prize S.r.i.. Vol. 7, Issue 7, pp. 1421-1426 (2013).
 22. V Gnanamoorthy, G Devaradjane, " Effect of semi thermal barrier coatings on piston crown in internal combustion engine using ethanol diesel blend", International Journal of Applied Environmental Sciences, published by Research India publications. Vol. 9, Issue 3, pp. 323-332 (2014).
 23. S Thavamani, G Devaradjane, " Reducing and optimizing tailgate closing effort in automotive car", International Organization of Scientific Research, published by IOSR-JMCE. Vol. 11, Issue 1, pp. 74-83 (2014).
 24. G nanamoorthy G & Devaradjane G, "Performance and emission study on DICl and HCCI engine using raw Pongamia oil and Diesel.", Thermal Sciences, Vol. 20, Issue 4, pp. S1169-S1179 (2016).
 25. Gnanamoorthy & Devaradjane G, "Effect of Combustion chamber geometry on performance, combustion and emission of direct injection diesel engine with ethanol-diesel blend.", Thermal Sciences, Vol. 20, Issue 4, pp. S937-S946 (2016).
 26. Anandkumar & Devaradjane G, "Performance and combustion analysis of Mahua biodiesel on a single cylinder compression ignition engine using electronic fuel injection system", Thermal Sciences, Vol. 20, Issue 4, pp. S1045 - S1052 (2016).
 27. Vasanthan B & Devaradjane G, "Development of Dielectrtic sensor to monitor the engine lubricating oil degradation.", Thermal Sciences, Vol. 20, Issue 4, pp. S1061-S1069 (2016).
 28. Premnath S & Devaradjane G, "A simulation study of air flow in different types of combustion chambers for a single cylinder diesel engine.", Thermal Sciences, Vol. 20, Issue 4, pp. S1145-S1151 (2016).
 29. Shankar G & Devaradjane G, "Experimantal and computational analysis on aerodynamic behavior of a car model with cortex generators at different yaw angles.", Journal of Applied Fluid Mechanics, Vol. 11, Issue 1, pp. 1-11 (2018).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 7
Research Papers Presented in National Programmes : 7

1. P. Srinivasan, Dr. G. Devaradjane , on Experimental investigations on performance and emission characteristics of Diesel fuel blended with 2-Ethoxy Ethyl Acetate and 2-Butoxy Ethanol , China .

2. Dr. G. Devaradjane & others , "Advanced Oxidation processes, ACESSD, Kottayam, Kerala, India. " presented in a International level conference on Oxidation Processes for the Treatment of Exhaust Emission by SCR Catalyst , Kottayam, Kerala, India .
3. T. Saravanakumar, Dr. G. Devaradjane , "Industrial problems on Mechanisms and Machinery " presented in a National level conference on Investigations on the performance of Gerotor type of Oil pump used in Automobiles , organised by IIITD&M Kancheepuram & IIT Madras .
4. M.P. Sudeshkumar and Dr. G. Devaradjane , "IC engines and combustion " presented in a National level conference on Experimental analysis on the blends of oxy-fuels with diesel in a direct injection CI engine for performance evaluation and emissions , Karnataka .
5. M.P. Sudeshkumar and Dr. G. Devaradjane, on Simulation studies for the prediction of engine performance in a diesel engine running with ignition improver blend, Calicut, Kerala, India. .
6. "6th Asia Pacific conference on Combustion " presented in a International level conference on Theoretical Investigation on performance characteristics of bio-diesel as alternative fuel in CI engine, Nagoya, Japan .
7. S. Sundarapandian, Dr. G. Devaradjane, "International conference and 20th National Conference on IC Engines and Combustion " presented in a International level conference on Theoretical and Experimental prediction of the performance of vegetable operated CI Engine .
8. S. Sundarapandian, Dr. G. Devaradjane, "International Conference and 20th National conference on IC Engines and Combustion " presented in a National level conference on Theoretical and Experimental prediction of the performance of vegetable operated CI Engine, JNTU, Hyderabad, India .
9. V. Gnanamoorthi, Dr. G. Devaradjane , "International conference and 20th National Conference on IC Engine " presented in a National level conference on Effects of Oxygenated compounds on performance characteristics and emission levels of Direct Injection Diesel engine, JNTU, Hyderabad, India .
10. M.P. Sudeshkumar and Dr. G. Devaradjane, "International conference and 20th National Conference on IC engines and combustion " presented in a National level conference on Study of effects of oxygenates on performance & emissions in a DI Diesel engine , JNTU, Hyderabad, India .
11. M. Venkatraman & Dr. G. Devaradjane, "International conference and 20th National conference on IC engines and combustion " presented in a National level conference on Numerical prediction of flow over bluff bodies in a Gas Turbine Combustion chamber using CFD code , JNTU, Hyderabad, India .
12. M.R. Sudesh Kumar & Dr. G. Devaradjane , "Experimental investigation on combustion characteristics, engine performance and emissions of a diesel engine fuelled with oxygenated blends " presented in a International level conference on International Mechanical Engineering Conference Exposition (IMECE), organised by ASME 2012 , HOUSTON , TX, USA from 09-Nov-2012 to 15-Nov-2012.

13. P.D. Jeyakumar & Dr. G. Devaradjane , "IMPROVEMENT OF THE FRONTAL STRUCTURE OF A BUS FOR CRASH ACCIDENTS " presented in a International level conference on International Mechanical Engineering Conference and Exposition (IMECE), organised by ASME 2012, HOUSTON , TX, USA from 09-Nov-2012 to 15-Nov-2012.
14. M. Venkatraman & Dr. G. Devaradjane , "Optimization of operating parameters on the performance and emission of a CI engine operated with Diesel-Pungamia Bio-diesel Blend " presented in a International level conference on International Mechanical Engineering Conference and Exposition (IMECE), organised by ASME 2012, HOUSTON , TX, USA from 09-Nov-2012 to 15-Nov-2012.

Books Published

1. "AUTOMOBILE ENGINEERING" authored by Dr. G DEVARADJAN and Dr. M KUMARESAN and published by AMK PUBLISHERS, Madurai.(2013)

Current Sponsored Projects

1. "DST-FIST-Vehicle Dynamics" (January-2015 - December-2020). Project Cost: 112.00.
2. "DRSI-SAP "Vehicle Dynamics"" (December-1969 - December-1969)
3. "DRSI-SAP "Vehicle Dynamics"" (April-2016 - March-2021)

Special Repräsentations

1. Governing Council member in PSG College of Technology, Coimbatore, India from 01-Jan-2011 to31-Dec-2013.

Experience Abroad

1. Visited Michigagann Technological University,Houghton, Michi, Houghton, Michigan, U.S.A from 19-Apr-2011 to 14-May-2011. Purpose of visit :Visit to research facilities.
2. Visited ASMEExposition 2012 International Mechanical engg Congress& , Houston, Texas, U.S.A from 12-Nov-2012 to 15-Nov-2012. Purpose of visit :Presentation of paper.

Invited Lectures

1. Delivered a Lecture on "Recent advanced research gineeringand technological innovation in mechanical en" in National Conference organized by P.T.Lee Chengalvaraya Naicker College of Engg & Te, Kanchipuram, Chennai,India (14-Mar-2014).

Extension & Outreach Programme

1. Co-ordinator, Faculty Development Training Programme, participated by Affiliated College Staff Members and funded by Anna University at Dept of Automobile Engg, MIT Campus during 01-Jun-2011 and 08-Jun-2011. No. of participants: 25.
2. Co-ordinator, Faculty Development Training Programme, participated by Affiliated College Staff Members and funded by Anna University at Dept of Automobile Engg, MIT Campus during 01-Dec-2011 and 09-Dec-2011. No. of participants: 25.
3. Co-ordinator, Faculty Development Training Programme, participated by Affiliated College Teachers and funded by Anna University at Automusobile Dept, MIT Campus during 03-Dec-2012 and 09-Dec-2012. No. of participants: 25.
4. Co-ordinator, Faculty Development Training Programme, participated by Affiliated College Teachers and funded by Anna University at Automusobile Dept, MIT Campus during 10-Jun-2013 and 16-Jun-2013. No. of participants: 25.
5. Co-ordinator, Faculty Development Training Programme, participated by Affiliated College Teachers and funded by Anna University at Automusobile Dept, MIT Campus during 09-Dec-2013 and 15-Dec-2013. No. of participants: 25.
6. Co=ordinator, Faculty Development Training Programme, participated by Affiliated Staff members and funded by Anna University at Dept of Automobile Engg, MIT Campus during 01-Dec-2014 and 07-Dec-2014. No. of participants: 25.