



S JENORIS MUTHIYA

Hindustan Institute of Technology and science

Verified email at hindustanuniv.ac.in

[Automotive Pollution and control](#) [Diesel engines](#) [Petrol engines](#) [Emissions](#)

[Experimental investigation on performance, combustion and emission characteristics of DI diesel engine using algae as a biodiesel](#)

M Subramaniam, JM Solomon, V Nadeakumar, S Anaimuthu, ...
Energy Reports 6, 1382-1392

[Development of active CO₂ emission control system using chemical absorbent technique for diesel engine exhaust](#)

SJ Muthiya, S Pachamuthu, M Subramaniam, A Joshuva, N Vinayagam, ...
SAE Technical Paper

[Numerical Investigation on Various Layouts of Phase Change Materials Based Battery Module Used in Electric Vehicles](#)

M Subramaniam, SJ Muthiya, S Satish, A Joshuva, J Alexis
SAE Technical Paper

[A Machine Learning Approach for Vibration Signal Based Fault Classification on Hydraulic Braking System through C4. 5 Decision Tree Classifier and Logistic Model Tree Classifier](#)

A Joshuva, S Anaimuthu, N Selvaraju, SJ Muthiya, M Subramaniam
SAE Technical Paper

[Optimization of Wire Cut EDM Process Parameters of Al/SiO₂ Composites Using Taguchi Method](#)

N Vinayagam, SJ Muthiya
SAE Technical Paper

[Experimental Investigation in Diesel Oxidation Catalyst by Developing a Novel Catalytic Materials for the Control of HC, CO and Smoke Emissions](#)

SJ Muthiya, I Saravanan, G Balachandran
SAE Technical Paper

[Numerical and experimental investigation on capture of CO₂ and other pollutants from an SI engine using the physical adsorption technique](#)

M Subramaniam, S Satish, JM Solomon, R Sathyamurthy
Heat Transfer 49 (5), 2943-2960

Investigation on Tribological Performance of NanoZnO and Mixed Oxide of Cu-Zn as Additives in Engine Oil

B Ramakrishnan, S Elumalai, J Mayakrishnan, I Saravanan, SJ Muthiya
SAE Technical Paper

Experimental investigation on pressure and heat release HCCI engine operated with chicken fat oil/diesel-gasoline blends

D Karuppan, AM Manokar, P Vijayabalan, R Sathyamurthy, B Madhu, ...
Materials Today: Proceedings

Electrochemical NO_x reduction and oxidation of HC and PM emissions from biodiesel fuelled diesel engines using electrochemically activated cell

SJ Muthiya, S Pachamuthu
International journal of green energy 15 (5), 314-324

Optimization of Machining Parameters on Electrochemical Micro Machining of Hastelloy C22 using Grey Taguchi Method

RM Samson, ACA Raj, T Geethapriyan, S Senkathir, SJ Muthiya
International Journal of Vehicle Structures & Systems 10 (2), 108-114

Gypsum-reinforced zeolite composite for particulate matter reduction from vehicular emissions

MM Muñoz-Boado, EB Caldon
Journal of environmental chemical engineering 5 (3), 2631-2638

Emission control in multi-cylinder spark ignition engines using metal-oxide coated catalytic converter

K Parthiban, K Pazhanivel, SJ Muthiya
International Journal of Vehicle Structures & Systems 9 (2), 134

Decomposition of NO_x and PM emission in diesel exhaust by electrochemical reactor with multilayered electrodes

SJ Muthiya, S Pachamuthu
JOURNAL OF ADVANCES IN CHEMISTRY 13 (5), 6184-6188

Simultaneous Reduction of HC, NO_x and PM by Using Active Regeneration Technique

MK Subramaniam, S Pachamuthu, J Arulanandan, J Muthiya
SAE Technical Paper

Carbon capture and storage from automobile exhaust to reduce CO₂ emission

S Jernoris Muthiya, V Amarnath, PS Kumar, SM Kumar
International Journal of Innovative Research in Science, Engineering and ...

Reduction of No_x emissions in Diesel engines by selective Catalytic reduction using Dual Layer Catalyst configurations

AJ Joseph, PS Kumar, SJ Muthiya, SM Kumar