Faculty Profile

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Recent Publication:

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	**Sasikumar Nandagopal** Shridhar Anaimuthu Jaikumar Mayakrishnan Selvakumar Raja Vamshidhar Busireddy Madhu Kovuru	Effective Utilization of Low Carbon Fuels in Agricultural Engines Using Low Cost Electronic Primary Fuel Injection Unit	**SAE Technical Paper**	https://doi.org/10.4271/2020-01-1369		
2	Jaikumar Mayakrishnan Ramanathan Velmurugan Induja SARAVANAN **Sasikumar Nandagopal** Sangeethkumar Elumalai Selvakumar Raja Karma Bhutia	Effect of Hybrid Nano additives on Performance and Emission Characteristics of a Diesel Engine fueled with Waste Cooking Oil Biodiesel	**SAE Technical Paper**	ISSN: 0148-7191, e-ISSN: 2688-3627 (in Press)		
3	Jaikumar Mayakrishnan Selvakumar Raja - Senthil Kumar Masimalai Vijayabalan Palanimuthu **Sasikumar Nandagopal** Sangeethkumar Elumalai Ramanathan Velmurugan	Effects on performance, emission and combustion characteristics of dual fuel mode CI engine operated with Waste Cooking oil –Ethanol as fue	**SAE Technical Paper**	ISSN: 0148-7191, e-ISSN: 2688-3627 (in Press)		
4	Jaikumar Mayakrishnan Sangeethkumar Elumalai **Sasikumar Nandagopal**	Experimental Study on Influence of Iron Oxide Nano particles on Characteristics of a Low Heat Rejection Diesel Engine	**SAE Technical Paper**	ISSN: 0148-7191, e-ISSN: 2688-3627 (in Press)		

	Induja SARAVANAN Selvakumar Raja Ramanathan Velmurugan	Operated with Methyl Esters of Waste Cooking Oil				
5	Ramanathan Velmurugan Jaikumar Mayakrishnan Vijayabalan Palanimuthu **Sasikumar Nandagopal** Sangeethkumar Elumalai Shridhar Anaimuthu Vamshidhar Busireddy	Development of Dual Fuel Engine Fueled with Used Cooking Oil Biodiesel and Ethanol-an Experimental Study on Performance and Combustion Characteristics	**SAE Technical Paper**	https://doi.org/10.4271/2020-01-0803		
6	Jaganathan Ramalingam Prabakaran B **Sasikumar Nandagopal** Hariram Venkatesan Jaikumar Mayakrishnan	Dimensional Optimization of Key Parameters Using DoE Technique to Achieve Better NOX Emission Values in Mass Production of Single Cylinder Small Diesel Engines for 3 Wheeler Applications	**SAE Technical Paper**	https://doi.org/10.4271/2020-01-1356		
7	Sangeethkumar Elumalai Jaikumar Mayakrishnan **Sasikumar Nandagopal** Selvakumar Raja Ramanathan Velmurugan	Experimental Study on Combined Effect of Yttria Stabilized Zirconia Coated Combustion Chamber Components and Emulsification Approach on the Behaviour of a Compression Ignition Engine Fuelled with Waste Cooking Oil Methyl Esters	**SAE Technical Paper**	https://doi.org/10.4271/2019-28-0164		
8	Ramanathan Velmurugan, Jaikumar Mayakrishnan, Induja S, Selvakumar Raja, **Sasikumar Nandagopal** and Dr.Ravishankar Sathyamurthy	Comprehensive Study on the Effect of CuO Nano fluids prepared using One-Step Chemical Synthesis Method on the behavior of Waste Cooking Oil Biodiesel in C.I Engine	**SAE Technical Paper**	doi:10.1115/1.4041878		
9	**Sasikumar**	Data Driven Modeling	**SAE Technical**	2018-	NA	2018

	Nandagopal, Senthil Kumar Masimalai and Kamalanand Krishnamurthy	of In-Cylinder Pressure of a Dual Fuel Compression Ignition Engine Operated with Renewable Fuels Using State Space Approach	**Paper**	28-0022		
10	**Sasikumar Nandagopal**, Senthil Kumar Masimalai, Jaikumar Mayakrishnan,	Experimental Investigation on Effect of Nano Fluids in the Behaviour of a Compression Ignition Engine Fueled with Diesel Biofuel Blends	**SAE Technical Paper**	2018-01-0234	NA	2018
11	Jaikumar Mayakrishnan, **Sasikumar Nandagopal,** Vasanthaseelan Sathiyaseelan, Selvakumar Raj	Canola Oil as a Fuel for Compression Ignition Engine – An Experimental Investigation	**SAE Technical Paper**	2018-01-0910	NA	2018
12	Sangeethkumar Elumalai, Jaikumar Mayakrishnan, **Sasikumar Nandagopal**, Selvakumar Raja, Sudip Mukherjee	Thermal Analysis and Experimental Investigations on the Effect of Thermal Barrier Coating on the Behavior of a Compression Ignition Engine Operated with Methyl Esters of Waste Cooking Oil	**SAE Technical Paper**	2018-01-0663	NA	2018
13	Selvakumar Raja, Jaikumar Mayakrishnan, **Sasikumar Nandagopal**, Sangeethkumar Elumalai, Ramanathan Velmurugan	Comparative Study on Smoke Emission Control Strategies of a Variable Compression Ratio Engine Fueled with Waste Cooking Oil	**SAE Technical Paper**	2018-01-0908	NA	2018
14	M. Senthil Kumar, K. Arul, **N. Sasikumar**	Impact of oxygen enrichment on the engine's performance, emission and combustion behavior of a biofuel based reactivity controlled compression ignition engine	**Journal of the Energy Institute**	https://doi.org/10.1016/j.joei.2017.12.001 (in press)	NA	2017
15	**Sasikumar, N** & Senthilkumar	A Comprehensive Study on the Effect of Emulsification, Solid Nano Additive and LPG Dual Fuel Operation on Engine Behaviour of a WCO Based Compression	**Thermal Science**	ThSci2017.005	NA	2017

		Ignition Engine				
16	**Sasikumar, N**, Senthilkumar, M, Arul Selvan, S & Jaikumar	Investigation on Electronic Assisted Primary Fuel Injection of Compression Ignition Engine Fuelled with Waste Cooking Oil as Pilot Fuel for Improved Part Load Efficiency and Effective Waste Utilization	**Technical Papers of Society of Automobile Engineers**	2017-01-0768	NA	2017
17	Senthilkumar, M & **Sasikumar, N**	Combined Effect of Oxygen Enrichment and Dual Fuelling on the Performance Behavior of a CI Engine Fuelled with Pyro oil - Diesel Blend as fuel	**Journal of Energy Resources Technology. American Society of Mechanical Engineers (ASME)**,	138	032206-1-8	2016
18	Senthilkumar, M & **Sasikumar**	Combined Effect of Oxygen Enrichment and Emulsification Techniques on Performance, Emission and Combustion of a WCO Based CI Engine	**SAE International Journal of Fuels and Lubricants**	9	306-314	2016
19	Senthilkumar and **Sasikumar**	Influence of Oxygen Enriched Combustion on Performance, Emission and Combustion Behavior of a CI Engine Fuelled with Pyro oil – Diesel Blend as Fuel	**Technical Papers of Society of Automobile**	2016-01-0739	NA	2016
20	**SasiKumar** and Senthilkumar	Investigation on the performance and emission characteristics of a diesel engine using water-diesel-nano fluid emulsion as fuel	**Journal of Chemical and Pharmaceutical Sciences**	6	37-40	2015
21	**SasiKumar** and Senthilkumar	Investigation on performance and emission Characteristics of a diesel engine fuelled with cashew nut shell oil emulsion	**Journal of Chemical and Pharmaceutical Sciences**	7	222-225	2015