



SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

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(Approved by AICTE – New Delhi & Affiliated to Anna University, Chennai.)

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Journals and publications

S.No.	Journal Title	Name of the Publisher	Year
1	Design and Fabrication of Moving Robotic Arm Control Using Android Application--International Journal Of Creative Research Thoughts	Dr.K.Senthamarai	2024
2	Analysis of shell and tube Heat exchanger with different tube layout using ANSYS	Dr.K.Senthamarai	2024
3	Performance studies of process parameters on friction stir processed AA5052 by Grey Analysis	Dr.K.Senthamarai	2023
4	Effect of process parameters on machining behaviour using S/N ratio and ANOVA analysis	Dr.K.Senthamarai	2023
5	Performance studies of process parameters on friction stir processed AA5052 by Grey Analysis	Dr.K.Senthamarai	2023
6	Investigations on the wire EDM characteristics of Al matrix composite using TOPSIS method" in the journal of "Materials Today :Proceedings	Dr.K.Senthamarai	2022
7	Effect of process parameters on machining behaviour using S/N ratio and ANOVA analysis" in the journal of "Materials Today :Proceedings	Dr.K.Senthamarai	2022
8	Hierarchically porous nano architecture constructed by ultrathin CoSe ₂ embedded Fe-CoOnano sheets as robust electro catalyst for water oxidation	Dr.R.Manigandan	2021
9	Evaluation of metal oxide nano particles in lemongrass biodiesel for engine performance ,emission and combustion characteristics	R. Rajasekar	2021
10	Study on stepped type Basin Solar Still and Analytical validation using RSM	Dr.K.Velmanirajan	2021
11	An Analysis Of The Cbr Value Of Soil Stabilized With Thermal Power Plant Waste Fly Ash And Admixtures For The Design Of Subgrade In Flexible Pavements	Dr. G. Manikandan	2021
12	Effective Traffic Management Using GIS Technology	Dr. G. Manikandan	2021
13	GIS based study on Impacts of Metro Project on Traffic Management in the city	Dr. G. Manikandan	2021
14	A Study on The Use of Industrial Wastes of Rigid Pavements To Reduce Carbon Footprint In Rural Road Construction	Dr. G. Manikandan	2021
15	"I Cheated, But Only A Little": Partial Confessions To Unethical Behaviour	Dr.M. Sakthivel	2020
16	Estimation of carbon credits of fishing boat diesel engine running on diesel-ethanol-bio-diesel blends with nano alumina doped ceria-zirconia.	Dr.A.Elango	2020
17	An efficient soft computing approach for securing information over GAMEOVER Zeus Botnets with modified CPA algorithm.	Dr.S. Aanjankumar	2020
18	Influence of nano catalyst on performance of DI diesel engine with blends of Citronella oil using Taguchi approach.	R. Rajasekar	2020
19	Reduction of NO _x emissions with low viscous biofuel using exhaust gas recirculation technique.	R. Rajasekar	2020
20	CFD analysis of modified fuel injector in splash area	R. Rajasekar	2020
21	Evaluation of metal oxide nano particles in lemongrass biodiesel for engine performance, emission and combustion characteristics	R. Rajasekar	2020
22	Three-dimensional porous nano architecture constructed by ultrathin NiCoBOx nano sheets as a highly efficient and durable electro catalyst for oxygen evolution reaction	Dr.R.Manigandan	2020

23	Three-dimensional Ni/Ni ₃ Fe embedded boron-doped carbon nanotubes nanochain frameworks as highly efficient and durable electrocatalyst for oxygen evolution reaction	Dr.R.Manigandan	2020
24	Chalcopyrite with Magnetic and Dielectric Properties: An Introductory Catalyst for 4-Nitrophenol Reduction	Dr.R.Manigandan	2020
25	Vertical V-Doped CoP Nanowall Arrays as a Highly Efficient and Stable Electrocatalyst for the Hydrogen Evolution Reaction at all pH Values	Dr.R.Manigandan	2020
26	Scalable Synthesis of Heterogeneous W–W ₂ C Nanoparticle-Embedded CNT Networks for Boosted Hydrogen Evolution Reaction in both Acidic and Alkaline Media	Dr.R.Manigandan	2020
27	A Secure Authenticated Bio-cryptosystem Using Face Attribute Based on Fuzzy Extractor	Dr.S.Aanjankumar	2020
28	Experimental analysis of engine performance and emission characteristics using biodiesel obtained from winter green oil	R.Rajasekar	2020
29	Experimental investigation of diesel engine performance fuelled with the blends of Jatrophacurcas, ethanol, and diesel	R.Rajasekar	2020
30	Communication That Is Maladaptive For Middle-Class Couples Is Adaptive For Socioeconomically Disadvantaged Couples	Dr.M. Sakthivel	2019
31	Sustainable Echo Design For Fixture Index Mechanism in Crank Shaft Speed Sensor Assembly Line	Dr.X.Hyacinth Suganthi	2019
32	Quality Of Groundwater And Seawater Intrusion Along Northern Chennai Metropolitan City (India)	Dr.M.Balasubramanian	2019
33	Performance investigation on various models on solar photovoltaic thermal (PVT) hybrid system	Dr.A.Elango	2019
34	Aluminium and its Interlinking Properties.	Dr.K. Velmanirajan	2019
35	An Improved Method for Generating Biometric-Cryptographic System from Face Feature.	Dr.S. Aanjankumar	2019
36	W ₂ C nano dot-decorated CNT networks as a highly efficient and stable electrocatalyst for hydrogen evolution in acidic and alkaline media	Dr.R.Manigandan	2019
37	Fabrication And Comparison Of Wheat Drying In Solar Dryer And Natural Dryer	Dr.R.Meenadevi	2018
38	An Exhaustive Study On The Performance And Quality Assessment Of Biodiesel Produced From Low Catalytic Activity Catalyst	Dr.R.Meenadevi	2018
39	Production Of An Alternative Fuel From A Low Cost Feedstock- An Economical View	Dr.R.Meenadevi	2018
40	Experimental Investigations Of Specific Gravity On Trans esterified Rubber Seed Methyl Ester	Dr.R.Meenadevi	2018
41	Optimum Location Of Distributed System Using Shuffled Frog Leaping Algorithm	Mrs.N.Rajeswari	2018
42	Positive Impact On The Quality Of Groundwater In Chennai Coastal Aquifer Due To The Cloud Burst During December 2015	Dr.M.Balasubramanian	2018
43	Concentration Of Heavy Metal In Surface Water And Groundwater Adyar River Basin, Chennai, Tamilnadu, India.	Dr.M.Balasubramanian	2018
44	Development Of An Intelligent Decision Making Tool For Maintenance Planning Using Fuzzi Logic And Dynamic Scheduling.	Dr.A.Andrew	2018
45	Experimental Investigation on Mechanical and Distortion Characteristics of Titanium/Aluminium Dissimilar Metal Joint Using Laser Beam Welding	Dr.A.Elango	2018
46	Effect of heat treatment on mechanical properties and microstructure of Ti/Al sheet metal joint using laser beam welding	Dr.A.Elango	2018

47	Effect of butt joint distortion on Ti/Al dissimilar metal using Laser beam welding	Dr.A.Elango	2018
48	Energy conservation in two wheeler head tube welding fixture by modelling	Dr.A.Elango	2018
49	Studies on weldment performance of Ti/Al dissimilar sheet metal joints using laser beam welding	Dr.A.Elango	2018
50	Solar based automatic harvesting robot.	Dr.A.Elango	2018
51	Influence of LBW parameters on properties of Ti6Al4V/AA2024 dissimilar alloy joint.	Dr.A.Elango	2018
52	Performance And Emission Characteristics Of Biodiesel Derived From Coconut Acid Oil	R. Rajasekar	2018
53	Redesigning of the diesel engine turbocharger compressor wheel to improve the low-cycle fatigue life	R. Rajasekar	2018
54	Mechanical and wear behaviour of the Al-Mg-nanoZrC composite obtained by means of the powder metallurgy method	Dr.K.Velmanirajan	2018
55	Novel microemulsion fuel additive Ce–Ru–O catalysts with algae biofuel on diesel engine testing	Dr.A.Prathima	2018
56	Quality analysis studies on biodiesel production of neochloris oleoabundans algae	Dr.A.Prathima	2018
57	Maximum Power Point Tracking Control Solar Power Generation Using Fuzzy Network	Mrs.N.Rajeswari	2017
58	Assessment Of Groundwater Quality In Different Parts Of Thiruvallur District Of Tamil Nadu, Southern India	Dr.M.Balasubramanian	2017
59	Heavy Metal Concentration In Groundwater From BeasantNagar To Sathankuppam, South Chennai, Tamil Nadu, India.	Dr.M.Balasubramanian	2017
60	Combustion and emission analysis of fishing - boat diesel engine running on diesel-ethanol-biodiesel-ceria-alumina nano blends	Dr.A.Elango	2017
61	Influence of LBW parameters on properties of Ti6Al4V/AA2024 dissimilar alloy joint	Dr.A.Elango	2017
62	Studies on affecting factors of wheel slip and odometry error on real-time of wheeled mobile robots	Dr.A.Elango	2017
63	Simulation based sustainable manufacturing system design with cost reduction achievements.	Dr.A.Elango	2017
64	Before And After Heat Treatment On Weldment Of Ti/Al Laser Beam Dissimilar Joints.	Dr.A.Elango	2017
65	Studies On Interlayer Characteristics Of Ti/Al Dissimilar Metal Joints Using Laser Beam Welding.	Dr.A.Elango	2017
66	Studies On Interlayer Characteristics Of Ti/Al Dissimilar Metal Joints Using Laser Beam Welding.	Dr.A.Elango	2017
67	Weld speed effects on quality of Ti/Al dissimilar metal joints using laser beam welding.	Dr.A.Elango	2017
68	Emission Analysis on Cashew Nut Biofuel in Compression Ignition Engine.	R. Rajasekar	2017
69	Experimental investigation on Performance and Emission Characteristics of J20, P20, N20 Biodiesel blends and Sound Characteristics of P20 Biodiesel blend Used in Single Cylinder Diesel Engine.	R. Rajasekar	2017
70	Experimental Investigation of Injection Timing on the Performance and Exhaust Emissions of a Rubber Seed Oil Blend Fuel in Constant Speed Diesel Engine	R. Rajasekar	2017
71	Environmental effect of CI engine using microalgae methyl ester with doped nano additives, Transportation Research Part D: Transport and Environment	Dr.A.Prathima	2017
72	Analysis of Emissions from Use of an Algae Biofuel with Nano-ZrO ₂ , Energy Sources	Dr.A.Prathima	2017

73	Application of cedarwood oil methyl ester with carbon nano wires in marine engine studies, Indian J. Geo-Marine Sci	Dr.A.Prathima	2017
74	Characteristics of Micro-algal Biofuel from Botryococcus Braunii, Energy Sources	Dr.A.Prathima	2017
75	Environment effect of La ₂ O ₃ nano-additives on microalgae-biodiesel fueled CRDI engine with conventional diesel	Dr.A.Prathima	2017
76	Experimental Investigation of Marine Engine Heat Transfer and Pressure Drop in in Mini Channel	Dr.A.Prathima	2017
77	Investigation on the emission quality characteristics of a diesel engine fueled with algae biofuel with nano additives	Dr.A.Prathima	2017
78	Microalgae biofuel with CeO ₂ nano additives as an eco-friendly fuel for CI engine	Dr.A.Prathima	2017