



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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List of research papers in the Journals notified on UGC website during the year 2022

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3.	Performance evaluation of artificial neural networks in sustainable modelling biodiesel synthesis	View
4.	Adaptive tamper detection watermarking scheme for medical images in transform domain	View
5.	Fingerprint-based robust medical image watermarking in hybrid transform	View
6.	Mobile FD-CR with High-Speed VTFET CMOS SOI Switch Under Channel Estimation Error	View
7.	Transmit antenna selection strategies for spectrally efficient spatial modulation techniques	View
8.	Influence of cobalt chromium nanoparticles in homogeneous charge compression ignition engine operated with citronella oil	View
9.	Horse herd optimization algorithm for economic dispatch problems	View
10.	Autonomous detection of malevolent nodes using secure heterogeneous cluster protocol	View
11.	Effects of asna fibre reinforced with epoxy resin with and without steel wire mesh and simulation of car bumper	View
12.	A simple method for functionalization of polypyrrole coated cotton fabric by reduced graphene oxide for UV Screening	View
13.	A comprehensive study of large negative dispersion and highly nonlinear perforated core PCF: Theoretical insight	View
14.	A designed setup of low-priced in-house goniometer/tensiometer	View
15.	A Qualitative Report on Diffusion based Image Inpainting Models	View
16.	A reconfigurable integrated level shifted carrier based PWM method for modular multilevel converters	View
17.	Acoustic Response of an Isotropic Beam under Axially Variable Loads Using Ritz and Rayleigh Integral Methods	View
18.	An Efficient Android Malware Detection Framework with Stacking Ensemble Model	View

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19.	An Efficient Sorting Algorithm for Capacitor Voltage Balance of Modular Multilevel Converter With Space Vector Pulsewidth Modulation	View
20.	An investigation about the relationship between dysarthria level of speech and the neurological state of Parkinson's patients	View
21.	An optimal energy management among the electric vehicle charging stations and electricity distribution system using GPC-RERNN approach	View
22.	Analysis of Band Alignment Engineering and Interface Defects on a GaAs/GaSb Heterostructure Solar Cell	View
23.	Android Malware Detection with Deep Learning using RNN from Opcode Sequences	View
24.	Anti pathogenic studies of new mixed ligand metal chelates	View
25.	Artificial neural networks model for predicting the behavior of different injection pressure characteristics powered by blend of biofuel-nano emulsion	View
26.	Assessment of CI Engine Performance and Exhaust Air Quality Outfitted with Real-Time Emulsion Fuel Injection System	View
27.	Design optimization of non-overflow section of a concrete gravity dam	View
28.	Detection and Localization of Copy-Move Forgery in Digital Images: Review and Challenges	View
29.	Development and Evaluation of Dust Cleaning System for a Solar PV Panel	View
30.	Direct utilisation of straight vegetable oil (SVO) from Schleichera Oleosa (SO) in a diesel engine—a feasibility assessment	View
31.	Effective Cyber Security Using IoT to Prevent E-Threats and Hacking During Covid-19	View
32.	Experimental based comparative exergy analysis of a spark-ignition Honda GX270 Genset engine fueled with LPG and syngas	View
33.	Experimental Investigations on Hydrogen Supplemented Pinus Sylvestris Oil-based Diesel Engine for Performance Enhancement and Reduction in Emissions	View
34.	False-Positive-Free SVD Based Audio Watermarking with Integer Wavelet Transform	View
35.	Health monitoring jeopardy prophylaxis model based on machine learning in fog computing	View
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37.	Method Development and Validation of Simultaneous Determination of Assay of Quinapril and Tolcapone	View
38.	Numerical analysis of offshore topside with FGM under impact loads	View
39.	Performance comparison of empirical model and Particle Swarm Optimization & its boiling point prediction models for waste sunflower oil biodiesel	View
40.	Performance estimation of tubular solar still with a wicked rotating drum using DT, LR, and KNN techniques of machine learning	View

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44.	Structural, Impedance and Modulus Studies of Effect of Magnesium (Mg) Substitution on Spinel Li ₄ Ti ₅ O ₁₂ Anode Materials	View
45.	The effect of thermal degradation and thermogravimetric analysis on pyrolysis oil production from waste milk packet for CI engine application	View
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65.	Design and Fabrication of Patient-Specific Implant for Maxillofacial Surgery Using Additive Manufacturing	View
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