



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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List of research papers in the Journals notified on UGC website during the year 2019

S. No.	Title of the Paper	Link of the Document
1.	Multifocus Color Image Fusion Based on Walsh Hadamard Transform and Sum-Modified-Laplacian Focus Measure	View
2.	Strengthening of reinforced concrete rectangular columns by using FRP sheets	View
3.	Evaluation of Drainage and Surface Water Resources of Brahmayyalingam lake in Agriripalli Mandal, Krishna district, INDIA using GeoSpatial Technologies	View
4.	Assessment of Godavari River water quality in and around Rajamahendravaram	View
5.	Nonlinear Transient Analysis of Delaminated Curved Composite Structure under blast/ pulse Load	View
6.	Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing)	View
7.	Closed and dense elements f BE – Algebras	View
8.	Constrained Optimization of Linear Antenna Arrays using Novel Social group Optimization Algorithm	View
9.	Heat transfer augmentation techniques in forced flow V-through solar collector equipped with V-Cut and square twisted tape	View
10.	Integrated Features and GMM Based Hand Detector Applied to Character Recognition System Under Practical Conditions	View
11.	Improving Performance of a Trapezoidal-trough Thermosyphon Solar Collector using Peripherally Wing-cut Swirl Generator	View
12.	Nonlinear Thermal Free Vibration Frequency Analysis of Delaminated Shell Panel Using FEM	View
13.	Statistical Analysis of Lower and Raised Pitch Voice Signal and its Efficiency Calculation	View
14.	Theoretical and Experimental modal responses of adhesive bonded T-joints	View
15.	A Comparison of Fuzzy Game Matrix Solutions using Defuzzification Methods with a New Method	View
16.	An Efficient Method for Segmentation of Noisy and Non-Circular Iris Images Using Optimal Multi Level Threshold	View
17.	An Effective Software Effort Estimation based on Functional Points using Soft Computing Techniques	View
18.	Role of Heuristic Algorithms in Minimizing the Makespan of Fuzzy Flow shop Scheduling Problem	View
19.	An Intelligent IOT Mechanism for Collision Detection and Prevention at Railway Level Crossing	View
20.	Stationary Wavelet Transform based Image Fusion using fusion rules	View

S. No.	Title of the Paper	Link of the Document
21.	Effect of nano glass cenosphere filler on hybrid composite eigenfrequency responses –an fem approach and experimental verification	View
22.	Investigation of Optimal Process Parameters for Laser Cutting of Inconel-718 Sheet	View
23.	Influence of Corrugated Booster Reflectors in a Centrally Finned Twist Inserted Solar Thermal Collector on Heat Transfer and Thermal Performance Characteristics	View
24.	Image Inpainting Based on Fractional –Order Nonlinear Diffusion for Image Reconstruction	View
25.	Image Fusion Using Eigen Features and Stationary Wavelet Transform	View
26.	Effect of penetration of solar DGs on transient stability of captive power generation units	View
27.	Retrofitting measures of guntupalli caves, West Godavari District, Andhra Pradesh, India, using reinforced rock technique	View
28.	Influence of sisal fibers on the properties of rammed earth	View
29.	Evaluation of Drainage and Surface Water Resources of Brahmayyalingam Lake in Agiripalli Mandal, Krishna District, A.P., India Using Geo-Spatial Technologies	View
30.	A Review on Surface Modifications and Coatings on Implants to Prevent Biofilm	View
31.	Performance and emission characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua	View
32.	Development of Therapeutic food for Adolescent Girls	View
33.	Touchdown PCR combined with semi degenerate primers for rapid amplification of HOXD9 loci in humans	View
34.	Laboratory Investigation on the Strength Property of Field Collected Coal Samples	View
35.	Bio Active Phenylacetic Acid Complexes: Synthesis, Structure and Antimicrobial Activities	View
36.	Comparative study of the strength properties of the concrete with partial replacement of coarse aggregate with pumice and over burnt bricks	View