



International Journal of Modern Engineering Research (IJMER)

Volume : 15 Issue : 6

ISSN : 2249-6645

Nov.-Dec. 2025

Contents :

An AODV Routing Algorithm Based on Optimal Search Region and Energy-Aware	01-15
Estimation of Induction Motor Parameters Basing on Static Characteristics Determined by Means of Filed Circuit Model	16-20
Application of Different Soft Computing Tequniques for Optimal Capacitor Placement and Sizing in Distribution Networks	21-32
Design and Analysis of Probabilistic Load Flow in Integrated Electricity and Heat Systems Using Quasi–Monte Carlo Simula	33-45
Effects of Mineralogy and Environmental Factors on Soil Structures	46-51
IoT-Enabled Early Blight Detection System for Tomatoes Using ESP32-CAMn	52-59
Pao Tycoon: A Language Study for Lua Scripting	70-76
An analytic and numerical study of a population density-dependent migration of a predator-prey system	77-82
Comparative Analysis of Laboratory Soil Testing Productivity across Five Locations: Insights into Bottlenecks and Optimization Strategies	83-92
A Positive Current Output CC-Based Universal Biquadratic Circuit Configuration	93-96
Strategies and Practical Explorations for Reforming Traffic Safety Education in Universities	97-103
Effects of Radio Frequency Radiation on Growth of Pepper around Mobile Base Transmitter Stations in Ogbomoso, Nigeria	104-109
Curriculum Reform of "Bioreaction Engineering" Based on the Cultivation of Engineering Practice Ability	110-113
Surface Gloss Reduction of EVA Foam Using Rice Husk-derived Bio-silica with Improved Dispersion via Silane Coupling	114-123
Horizon-Dependent Demand Forecasting in High-Frequency Cryptocurrency Markets	124-132