

1. Record Nr.	UNINA9910918694203321
Autore	Panda Gayadhar
Titolo	Proceedings of Third International Symposium on Sustainable Energy and Technological Advancements : ISSETA 2024, Volume 2 // edited by Gayadhar Panda, Malabika Basu, Pierluigi Siano, Shaik Affijulla
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819770182 9819770181
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (599 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1254
Altri autori (Persone)	BasuMalabika SianoPierluigi AffijullaShaik
Disciplina	621.31
Soggetti	Electric power production Renewable energy sources Sustainable architecture Electrical Power Engineering Renewable Energy Sustainable Architecture/Green Buildings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Simulation Study of Lithium-ion Battery Packs Using the Equivalent Circuit Model Approach with Passive Balancing -- Fast Charging Electric Vehicles Using Photovoltaic Energy Generation and Improved Zeta Converter -- Optimizing Frequency Control in Isolated Microgrids with Renewable Integration using Genetic Algorithm-Tuned PID Controllers -- Energy Management for Photovoltaic Battery Integrated System Using Bi-directional DC-DC Converter -- Deep Learning Insights into India's Electric Vehicle Market: A Comparative Approach to EV Sales Forecasting using neural networks -- PPA tuned PI-PD Controller for a Micro grid in Uncertain Environments -- Optimal Frequency Regulation of Renewable Integrated Hybrid Power System using Virtual Inertia Controller -- Fuzzy based resilient control of microgrid under False Data Injection Attack -- Sequence Angle-Based Passive Algorithm for Islanding Detection of the Distribution System -- An Improved Re-

configurable Buck Converter with Enhanced Effective Switching Frequency -- Modified Synchronous Reference Controller for Three-phase Inverter -- Cost Minimization of Microgrid Using PSO Algorithm with Renewable Energy Sources and Electric Vehicles -- An improved Horse Herd optimization based Reconfiguration of Solar Photovoltaic Arrays -- Selective short circuit Scheme based protection for AC Microgrid -- Power Quality Analysis with Power Management of Wind Penetrated Utility Grid Parameter by Battery Supported Bi-Directional Converter Device -- Standalone Solar Photovoltaic Systems for Remote Area Applications: A Bibliometric and Feasibility Analysis -- Kinematic prediction of a Bioinspired Foldable Flapping Wing Mechanism using Artificial Neural Network -- A Mobile App for Blockchain-based Peer-to-Peer Energy Trading for Distributed Energy Resources Participation -- Prediction of Unbalance in Rotor Using Artificial Intelligence -- Different Structural Configurations of Magnetostrictive Energy Harvester: A Comprehensive Review for Sensor Applications -- LSTM and Bi-LSTM based Prediction of Water Quality for Smart Aquaculture -- Advancements in Nanotechnology based Biosensor Technology for Freshness Detection: A Comprehensive Survey -- A Thorough Survey and Analysis of Advancements in Electric Vehicle Charging Technologies -- Managing Transmission Risk through Financial Transmission Right in a Congested Power Market -- Three-Phase Voltage Source Inverter: Design and Development with 180 Mode of Conduction.

Sommario/riassunto

This book contains selected papers presented at Third International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2024), organized by the Department of Electrical Engineering, NIT Meghalaya, Shillong, India, during February 23–24, 2024. The topics covered in the book are the cutting-edge research involved in sustainable energy technologies, smart building technology, integration and application of multiple energy sources; advanced power converter topologies and their modulation techniques; and information and communication technologies for smart micro-grids.
