

CONTENTS

1.	Implementations of Sweep Algorithm For Load Flow Analysis in Radial Distribution Networks <i>Kalidas Babu G and Rajesh Kumar Samala</i>	649
2.	Application of Ant Colony Optimization Algorithm for Voltage profile Improvement <i>Rayudu K , Yesuratnam G and Jayalaxmi A</i>	655
3.	Non Intrusive Monitoring of Electrical Cables in Ship Power Systems <i>Shashidhar Kasthala and Rajitha Saka</i>	665
4.	Enhancement of Atc Using Series Compensation In Restructured Power System <i>Laxmi Niveditha, Krishna Reddy Ch.V and Venkata Prasad P</i>	671
5.	An Improved IUPQC with Fuzzy Controller Providing Grid Voltage Regulation as a Statcom <i>Rajeshwari V R and Suresh Kumar B</i>	677
6.	Investigation of UPQC for Power Quality Distortions in DFIG based Wind Farms <i>Mastanamma Y and Bhoj Reddy</i>	687
7.	An FPGA Based Single Phase Multilevel Inverter <i>Sasi Kumar G, Sourav Bhalotia and Harish Pappu</i>	693
8.	A Simplified SVPWM Control for Five Level Asymmetrical Dual Inverter Fed Induction Motor Drive <i>Usha N, Venkata Prasad P and Ramesh Reddy K</i>	701
9.	Design of Three-Zone Hybrid Pulse Width Modulation Method For Reduced Current Ripple <i>Saketh Kumar B, Abhiram T and Sumanth K</i>	707
10.	A Comparative Analysis on Different Control Techniques for Buck Converters <i>Krishnapriya and Shashidhar Kasthala</i>	715
11.	Performance Analysis of DVR and DSTATCOM in Distribution network for Voltage Sag and Swell Conditions <i>Thirupathaiah M, Venkata Prasad P and Ganesh V</i>	723
12.	Need for Real Time Simulation in cyber security Applications <i>Sreedevi J, Noorcheshma P, Ashwin N and Meera K S</i>	731
13.	Grid Interactive Photovoltaic-Fuel Cell based Hybrid Generation System with Active and Reactive Power Control <i>Nilesh Shah and Chudamani R</i>	737
14.	Damping of Oscillations in Series Compensated Power System through Wide Area Damping Controller of STATCOM <i>Vipin Jain and Narendra Kumar</i>	753
15.	Protection Algorithm for Photovoltaic Based Distribution System <i>Tejeswini M V, Sujatha B C and Manohar Singh</i>	765

16.	A Simple and General method to Perform Large-Scale Series/Parallel Reduction of Proximally Coupled Two-terminal Networks by Employment of the Primitive Impedance/Admittance Matrices	<i>Rao I R and Shubhanga K N</i>	773
17.	Optimization of Torque and Flux ripple for DTC fed Asynchronous Motor Drive Using Hybrid Computing Techniques	<i>Chandra Sekhar J N and Marutheswar G V</i>	791
18.	Experimental implementation of 100 W Photovoltaic Panel with DC-DC Boost Converter for Maximum Power Point Tracking	<i>Hareesh M, Amarnath C, Siva Kumar G, Sreenivasarao D</i>	797
19.	Comprehensive Study of Static Voltage Stability Methods for Proper Placement and Sizing of STATCOM to Enhance Voltage Stability	<i>Telang A S and Bedekar P P</i>	807
20.	Analysis of VSC-HVDC system feeding a passive network	<i>Prabhakar C and Prasanna T S</i>	823