

## Table of Contents

Volume 13 Number 1

January 2021

### Experimental Study on Performance and Combustion Analysis of a Diesel Engine Fueled with Diesel and Jatropha Oil Blended with Heptane

Y. W. Gounkaou, T. Daho, A. Diane, G. Vaitilingom, B. Piriou, J. Valette, O. Sanogo, A. Béré.....1

### Optimal Allocation of a Hybrid Wind Energy-Fuel Cell System Using Different Optimization Techniques in the Egyptian Distribution Network

A. A. A. El-Ela, S. M. Allam, N. K. Shehata.....17

### Silicon Solar Cell Space Charge Region and Capacitance Behavior under Electric Field

B. Zouma, F. I. Barro, P. A. A. Honadia.....41

### Real-Time Operation of Microgrids

S. Al-Agtash, A. Alkhraibat, M. Al Hashem, N. Al-Mutlaq.....51