

## Table of Contents

Volume 9 Number 2

February 2017

### Performance and Efficiency Simulation Study of a Smart-Grid Connected Photovoltaic System

- W. H. Ali, P. Cofie, J. H. Fuller, S. Lokesh, E. S. Kolawole.....71

### Application of the Hierarchical Functions Expansion Method for the Solution of the Two Dimensional Navier-Stokes Equations for Compressible Fluids in High Velocity

- T. das Neves Conti, E. L. L. Cabral, G. Sabundjian.....86

### Redesign and Optimization Study of Micro-Hydropower Plant in Manica Mozambique

- M. M. Uamusse, J. V. Matsinhe, D. L. P. Macuvele, K. M. Persson.....100

### Tapping the Potential of Large Scale Solar PV System in Sabah: The Feasibility Analysis

- M. Huda, K. Okajima, K. Suzuki.....108

### Contribution to the Modeling of a Solar Adsorption Refrigerator under the Climatic Conditions of Burkina Faso

- G. C. Tubreoumya, A. O. Dissa, E. S. Tiendrebeogo, X. Chesneau, A. Compaoré, K. Haro, C. D. Konseibo, B. Zeghamati, J. Koulidiati.....119

### Performance of Regenerative Gas Turbine Power Plant

- H. Omar, A. Kamel, M. Alsanousi.....136