

Journal of Clean Energy Technologies

CONTENTS

Volume 4, Number 2, March 2016

• Solar Energy

Deposition and Ellipsometric Characterization of Transparent Conductive Al-doped ZnO for Solar Cell Application.....90

O. Gençyılmaz, F. Atay, and I. Akyüz

Exergy Modelling of an Organic Rankine Cycle Energized by Heat from Parabolic Trough Collector with Thermal Storage.....95

Ratha Z. Mathkor, Brian Agnew, Mohammed A. Al-Weshahi, and Nuri Eshoul

Performance Analysis of Thermal Energy Storage Prototype in Thailand.....101

R. Boonsu, S. Sukchai, S. Hemavibool, and S. Somkun

Operation Results of a Photovoltaic System Interconnected to the Low Voltage Grid in Bogotá Colombia... 107

Taco Niet, Lawrence Pitt, Andrew Rowe, and Peter Wild

• Electrical Energy

A Parametric Experimental Investigation of the Operating Conditions of Gravitational Vortex Hydropower (GVHP).....112

Christine Power, Aonghus McNabola, and Paul Coughlan

Fuel Cost Optimization of an Islanded Microgrid Considering Environmental Impact.....120

Vinod M. Raj and Saurabh Chanana

Overhead and Underground Distribution Systems Impact on Electric Vehicles Charging.....125

Ahmed K. Allehyani and Mohammed J. Beshir

Application of Cogeneration on a Housing Complex.....129

M. Atmaca, E. Yilmaz, and A. B. Kurtulus

Have Technology Specific Measures for the UK Electricity Market Reform Gone Far Enough?.....136

Francine Baker

• Wind Energy

Optimization of Small Scale Wind Turbine Blades for Low Speed Conditions.....140

Mohammadreza Mohammadi, Alireza Mohammadi, Moona Mohammadi, and Hamid Neisi Minaei

Wind Driven Reverse Osmosis Desalination for Concrete Factory Application in Kuwait.....144

A. A. Alsairafi and M. H. Al-Shehaima

• Hydrogen Energy

Economic Dispatch of Hydrogen Systems in Energy Spot Markets.....148

Shi You and Per Bromand Nørgård

• Bioenergy

Palm Oil to Biodiesel: Determination Factors on Production and Export Volume.....	152
<i>Noraini Abdullah, H. J. Zainodin, and Haider F. Abdul Amir</i>	
The Romanian Biogas Sector-Slow Development Despite Attractive Conditions.....	161
<i>R. Clodnițchi and A. D. Tanțău</i>	