**Daftar Isi**

**Volume 31, April 2016**

|  |  |
| --- | --- |
| Auditor………………………………………………………………………………………………………………....... | i |
| Daftar isi……………………………………………………………………………………………………………….... | ii |
| 1. **Kokouvi Edem N’Tsoukpoe, Ketowoglo Yao Azoumah, Emmanuel Ramde, A.K. Yesuenyeagbe Fiagbe, Pierre Neveu, Xavier Py, Madieumbe Gaye, Arnaud Jourdan**, Integrated Design and Construction of a Micro-Central Tower Power Plant……………………………………………………………
 | 1-13 |
| 1. **C. Cader, P. Bertheau, P. Blechinger, H. Huyskens, Ch. Breyer**, Global Cost Advantages of Autonomous Solar–Battery–Diesel Systems Compared to Diesel-Only Systems…………………………………………………………………………………….
 | 14-23 |
| 1. **Vivek Rathore, Bharat L. Newalkar, R.P. Badoni**, Processing of Vegetable Oil for Biofuel Production Through Conventional and Non-Conventional Routes…………………………………………………………………………………………
 | 24-49 |
| 1. **Constantinos Taliotis, Abhishek Shivakumar, Eunice Ramos, Mark Howells, DimitrisMentis, Vignesh Sridharan, Oliver Broad, Linus Mofor**, An Indicative Analysis of Investment Opportunities in the African Electricity Supply Sector — Using TEMBA (The Electricity Model Base for Africa)………………………………………………………………………………………………………….
 | 50-66 |
| 1. **James Knuckles**, Business Models for Mini-Grid Electricity in Base of the Pyramid Markets……………………………………………………………………………………………….
 | 67-82 |
| 1. **Nurcan Kilinc-Ata**, The Evaluation of Renewable Energy Policies Across EU Countries and US States: an Econometric Approach………………………………
 | 83-90 |
| 1. **Peter Tumutegyereize, Ronal Mugenyi, Clever Ketlogetswe, Jerekias Gandure**, A Comparative Performance Analysis of Carbonized Briquettes and Charcoal Fuels in Kampala-Urban, Uganda…………………………………………….
 | 91-96 |
| 1. **Todd Levin, Valerie M. Thomas**, Can Developing Countries Leapfrog the Centralized Electrification Paradigm?…………………………………………………………….
 | 97-107 |
| 1. **Henry Louie**, Operational Analysis of Hybrid Solar/Wind Microgrids Using Measured Data……………………………………………………………………………………….
 | 108-117 |
| 1. **Mickey H.Wu, Thomas S. Ng, Martin R. Skitmore**, Sustainable Building Envelope Design by Considering Energy Cost and Occupant Satisfaction…..
 | 118-129 |
| 1. **Stefano Mandelli, Marco Merlo, Emanuela Colombo**, Novel Procedure to Formulate Load Profiles for Off-Grid Rural Areas…………………………………….
 | 130-142 |
| 1. **Thomas Rogers**, Development of Innovation Systems for Small Island States: a Functional Analysis of the Barbados Solar Water Heater Industry…
 | 143-151 |
| 1. **Abel Ezeoha, Anthony Igwe, Chibueze Onyeke, Chibuike Uche**, Relevance Lost? the Petroleum Equalization Fund in Nigeria………………………
 | 152-162 |
| 1. **N. Contran, L. Chessa, M. Lubino, D. Bellavite, R. Lobina, O. Sahanoon, S. Fuseini, T.S. Imoro, P.P. Roggero, G. Enne**, Potentialities and Limits of Jatropha Curcas L. as Alternative Energy Source to Traditional Energy Sources in Northern Ghana………………………………………………
 | 163-169 |
| 1. **Shazad Jamal Jalal, Rawand K. Bani**, Impact of Orientation of Residential Neighborhoods on Optimizing Sustainable and Equitable Exposure of Insolation—Case Study of Sulaimani, Iraq………………………………..
 | 170-177 |
| 1. **William F. Steel, Nana Akua Anyidoho, Frank Y. Dadzie, Richard H. Hosier**, Developing Rural Markets for Solar Products: Lessons from Ghana
 | 178-184 |
| 1. **Brian Kirke**, Tests on Two Small Variable Pitch Cross Flow Hydrokinetic Turbines…………………………………………………………………………………………………………….
 | 185-193 |