

### Important Info for Selected Papers:

1. All papers below will be peer-reviewed in the corresponding journals by the journal editors and referees, independently.
2. All papers should be **extended** and the **titles may be changed** upon the revision or extension of the authors.
3. The papers should be submitted to the corresponding journals upto the deadline of 1 December 2012.
4. Authors must write a **FOOTNOTE** at the first page of their paper as follows:  
The short form of this paper was presented in The European Workshop on Renewable Energy Systems (EWRES 2012), which took place on 17-28 Sep. 2012, Antalya, Turkey.
5. Authors must submit their extended paper as a **regular research paper** from the journal web pages. (For *Energy Conv.& Management* via <http://ees.elsevier.com/ecm> and *Int. J. Renewable Energy Res.* via <http://www.ijrer.org> )
6. Authors must use the style files of the corresponding journal.

#### I. SELECTED PAPERS for ENERGY CONVERSION & MANAGEMENT JOURNAL

1. Characterization of fruit juice processing wastes as biosorbent for heavy metal removal by G. Akgül, T. Tekinay
2. Experimental analysis of a new type solar energy dryer by S. Şevik, M. Aktaş, S. Karyeyen
3. An air conditioning system providing cooling, water heating and drying by Sany Izzan Ihsan, M N A Hawlader, Firdaus Yunus, M. Irfan I. Mudzrin
4. **A combined version of two papers:** Performance analyses of windsim and wasp models to estimate wind energy potential in Soma/Turkey by Serhan Yesilkoy, Cigdem Aktar, Ozgun Inceoglu, Sibel Menteş, Elcin Tan, Yurdanur Unal, Bahtiyar Efe, Umut Basar, Emel Unal and Short term wind power forecast in Manisa, Turkey by using the WRF model coupled to a CFD model by Sibel Mentesh, Elcin Tan, Tuncay Ozdemir, Emel Unal, Yurdanur Unal, Bahtiyar Efe, Burak Barutçu, Evren Oner, Kerem Anbarci, Baris Onol, Selahattin Incecik, Yunus Borhan
5. **A combined version of two papers:** Optical properties of gap cathode in the semiconductor-plasma structure by H. Kurt, Ö. Fikirli, A. Yurtseven and Study of plasma stability in an ionization system with GaAs cathode by using fractal dimension H. KURT
6. State estimator design for a linear 2-body point absorber wave energy converter by Prof. Dr. M.E. Magaña

7. Assessment of emerging faults in wind turbine power transformers using the S transform by F. Martin, O. Duran, Jose A. Aguado
8. A new permanent magnet wind energy generator design with axial and radial directed fluxes by H. Gör, M. Demirtaş, E. Kurt
9. **A combined version of two papers:** Leaning of distribution systems of electricity production networks by mathematical programming renewable energy power plants by Hamid Reza Feili, Mohsen Momeni Tabar, Mohammad Dehghani Mazhvani, Danial Zaghi and Simulation and optimization of a solar driven air conditioning system with arena simulation software by Hamid Reza Feili, Parisa Naderipour, Fatemeh Moghadasi
10. Investigating the power, torque and specific fuel consumption of a MF-399 tractor fuelled by pure diesel and diesel-biodiesel-bioethanol blends by Seyed Reza Hassanbeygi, Vahideh Istan, Barat Ghobadian, Mohammad Aboonajmi, Abolfazl Johar
11. **A combined version of two papers:** Diagnosis of mechanical fault of a wind turbine based on a double-fed asynchronous machine by Hichem Merabet, Bahi Tahar, Youcef Soufi and Variable speed control of a doubly fed induction motor by Soufi Youcef, Bahi Tahar, Lekhchine Salima
12. Theoretical study on a solar powered humidification-dehumidification (HDH) desalination system by C. Yıldırım, İ. Solmuş
13. Biogas recovery approaches to different types of animal manure with co-substrate addition by C. Yangin-Gomec, I. Ozturk
14. Natural dye photosensitizers / solid state electrolyte junction for DSSC application by Souad A. M. Al-Bat'hi, Iraj Alaei, Iis Sopyan
15. Solar water heater with solar powered boiler by Burak Akın
16. Three-phase three-level grid interactive inverter with fuzzy logic based MPPT controller by N. Altın, Ş. Özdemir
17. Primary paralleled isolated boost converter with extended operating voltage range by Juan C. Hernandez B., Gokhan Sen, Maria C. Mira A., Ole C. Thomsen, Michael A. E. Andersen
18. A combined power and heat generation system powered by solar energy by Jianzhong Song, Xiaosong Zhang, Qikuang Yao, Can Yang, Guoying Xu
19. **A combined version of two papers:** Design of a control and data acquisition system for a multi-mode solar tracking farm by Fawzi M. Al-Naima, Ramzy S. Ali, Ahmed J. Abid and Design and implementation of a smart dual axis sun tracker based on astronomical equations by Fawzi M. Al-Naima, Ramzy S. Ali, Ahmed J. Abid, Bilal R. Abdul Majeed
20. Application of thermal battery in solar refrigerator by Emrah Salman, Tolga Apaydın, Çağdaş Çırpan, Sabahattin Hocaoğlu
21. **A combined version of two papers:** An investigation of the absorption edge of CdS thin films prepared by thermal evaporation by Shadia J. Ikhmayies and An

investigation of the absorption edge of spray-deposited CdS: In thin films by Shadia J. Ikhmayies

22. **A combined version of two papers:** Modelling and simulation of a biogas reactor with IPSEpro software by Emrah Onursal, Kamil Ekinci, Mustafa Acar and Modelling solar radiation intensity on convex walls of a vertical cylindrical biogas reactor by Emrah Onursal, Kamil Ekinci, Mustafa Acar, Ahmet Süslü
23. An unbalanced load flow analysis tool for inverter interfaced distributed generation network by Bülent Dağ, M. Timur Aydemir, Mohamed S. Smiai
24. Thermodynamic Analysis of Gas Turbine – Solid Oxide Fuel Cell (GT-SOFC) Aircraft Auxiliary Power Unit (APU) by Fatih Tunca, Serdar Dalkılıç
25. Modelling of an integrated gas and electricity network with significant wind capacity by Meysam Qadrdan, Modassar Chaudry, Jianzhong Wu, Janaka Ekanayake and Nick Jenkins

## II. SELECTED PAPERS for INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH

Application of the photovoltaic source to feeding a multi-level inverter applied to induction machine	Djebbar Mohamed Salah, Soufi Youcef, Benalla Hocine
Experimental investigation of performance of a ground coupled heat pump system for space heating in	Ahmed Saadallah Salman, Recep Yumrutaş
Prediction of reliability's indicators in wind power plants using wind repeated patterns	Hamid Reza Feili, Mahdi Minakhani, Habib Allah Kaveh, Vahid Amiri
Development of a lab-scale methane potential test unit for anaerobic digestion of particulate matter	Emrah Onursal, Kamil Ekinci, Ahmet Süslü, Selim Uygun, Mustafa Acar
Potential of renewable energies generation from organic waste in Algeria	Igoud Sadek, Souahi Fatiha, Sebti Aïcha, Mansouri Noura and Chouikh Amar
Prospective use of the salt tolerant wild rape native to Jordan in biodiesel production	Moh`d K. Al-Rifae, Luna Al-Hadede, Ayman Hamodeh, Adeb Abuobied, Hussien Saleh, Ibrahim Al-Bashabsheh, Doa`a Al-Majale
Changes in performance and active microbial communities due to single and multiple effects	Gokhan Turker, Orhan Ince, Emine Ertekin,

of mixing and solid content in anaerobic digestion process of OTC medicated cattle manur	Cagri Akyol, Bahar Ince
Investigating the power, torque and specific fuel consumption of a MF-399 tractor fuelled by pure diesel and diesel-biodiesel-bioethanol blends	Seyed Reza Hassan-beygi, Vahideh Istan, Barat Ghobadian, Mohammad Aboonajmi, Abolfazl Johar
Numerical analysis of entropy generation at the entrance of a channel	Bahadır Doğan, L. Berrin Erbay
Heat transfer enhancement in solar collector numerical and simulation study of roughened absorber	Amel Boulemtafes-Boukadoum, Ahmed Benzaoui
Development of MATLAB/GUI based analysis tool for wind turbine	Ramazan Bayindir, Ersan Kabalci, Gökhan Keven, Celal Can
A theoretical approach for the thermodynamic analysis of absorption refrigeration systems through a case study	Melda Özdiñ Çarpınliođlu, Emrah Özahi, Hewa Kareem
High power conversion efficiency in APEX hybrid reactor system	Aybaba Hançerliođulları
Application of a new heuristic algorithm for DG placement for minimum loss in radial distribution system	Sara Molazei
Comparison of dry and wet cooling: An applied research on a solar thermal power plant	Eray Timur, Musbaudeen Bamgbopa, Eray Uzgör
Experimental study of the operating conditions of a modified micro hydro	Yousef Yassi
Statistical and spectral analysis of wind speed in Kırklareli area of Turkey	Eleonora Guseinoviene, Audrius Senulis, Antanas Andrius Bielskis, Valdas Kuçinskas, Tahir Cetin Akıncı, Serhat Şeker
Electric mobility schemes improving large-scale photovoltaics integration	Peter D. Lund, J. Lindgren, J. Mikkola
Direct torque control for double star induction motor	S. Lekhchine, T. Bahi, Y. Soufi

Optimization of H<sub>2</sub> purification process by using mathematical programming:  
Determination of appropriate thickness of membranes with respect to cost, permeation and selectivity criterion

Hamid Reza Feili, Hamed Amanipour, Aidin Zojaji Kohan

Benchmarking of optimization modules for two wind farm design softwares

Eftun Yilmaz, Bahri Uzunoglu

Almond shell as a biomass material

Eylem Önal, Rahmiye Zerrin Yarbay Şahin, Nurgül Özbay, Adife Şeyda Yargıç

Simulation of solar thermal driven absorption chiller under Algerian climate

Mohamed Lamine Yousfi, Mohamed Saighi, Said Elmetenani, Leila Merabti, Nesrine Hatrafe

The effect of fault current limiters on distribution systems with wind turbine generators

Gokhan Cakal, Fatma Gul Bagriyanik, Mustafa Bagriyanik