

## SPECIAL ISSUE INFORMATION FOR THE AUTHORS OF CONFERENCE PAPERS

All papers should be improved on following points:

1. The papers submitted to the journals **MUST NOT** include **conference logo or title**.
2. The extended papers should be submitted to the journals till **1st November 2017**. No extension to this date is available.
3. All papers will be peer-reviewed in the journals.
4. At least 1,5 page introduction section is required for all papers. Give a good introduction to your topic.
5. An archival part, which defines the methodology and technique should be added or extended.
6. All paper sections should be extended.
7. Papers should contain at least those sections: **Introduction, Theory or Experimental or Modeling, Results and Discussions, Conclusions, References**. **If the research has a support from someone/institution/project, add an "acknowledgment section". If needed, add a "nomenclature" according to journal style.**
8. The authors' first and family names, address, e-mail should be clearly defined according to journals formats.
9. The papers should be send to the determined journals by writing them in journal format. Do not send the conference-templated paper to the journal. That may cause rejection.
10. At least 1 (totally 7 published references) from each journals  
( Int. J. Hydrogen Energy( <https://www.journals.elsevier.com/international-journal-of-hydrogen-energy> ),  
J. Electronic Materials ( <http://www.springer.com/materials/optical+%26+electronic+materials/journal/11664> ),  
J. Energy Systems ( [www.dergipark.gov.tr/jes](http://www.dergipark.gov.tr/jes) ),  
Int. J. Sustainable Energy Planning and Management ( <https://journals.aau.dk/index.php/sepm/index> ),  
Int. J. Renewable Energy Tech. ( <http://www.inderscience.com/jhome.php?jcode=ijret> ),  
Int. J. Renewable Energy Development ( <http://ejournal.undip.ac.id/index.php/ijred/index> ),  
Met. & Material Trans. A ( <http://www.springer.com/materials/special+types/journal/11661> ) ) should be added to the References section. Reciprocal reference is important for journals to improve their ImpactFactor.
11. Each paper should have minimal 15 references and maximal 30 references as prompt research paper.
12. Internet addresses cannot be put as reference.
13. Give maximal 4 references from conferences.
14. References from Thompson SCI-indexed journals and Scopus are acknowledged.
15. Your paper titles should be shortened as much as possible.
16. Nomenclature is needed for the papers which have too much abbreviations and scientific variables.
17. The French, Arabic and all other languages from equations and figures should be translated to English.
18. At least 40% content should be added to the journal version of your paper.
19. The maximal page limit depends on the journal policy.
20. All figures should be drawn clearly with high resolution.
21. The ithenticate similarity should not exceed 25% for the papers. Therefore check your paper before submitting it to the journal. Write your papers with your own words, **do not make copy/past from your or other authors' previous papers. Otherwise your paper will be rejected immediately before the review process.**
22. For the selected papers of *Int. J. Hydrogen Energy* make regular submission from journal console.
23. For the selected papers of *J. Electronic Materials* journal, the authors will be informed sooner by a specific topical SI title.
24. For the selected papers of *The International Journal of Renewable Energy Development*, **send your papers directly to [ekurt52tr@yahoo.com](mailto:ekurt52tr@yahoo.com) with e-mail subject "ECRES2017-IJRED SI"**. Note that in email, write at least **3 available reviewers names**.
25. For the selected papers of *J. Energy Systems*, make regular submission via [www.dergipark.gov.tr/jes](http://www.dergipark.gov.tr/jes) .
26. For the selected papers of *Metallurgical and Materials Transactions A* (from Trans. D we improved Trans. A which is SCI-indexed version of journal), while uploading, simply select **"SYMP"** as the article type, and indicate in a cover letter and in the manuscript comments section that the paper is for the ECRES 2017 collection.
27. For *Int. J. Renewable Energy Technology*, register as author, select that journal title from the menu, and also select **ECRES2017: Special Issue on Renewable Energy Systems**.
28. **IF YOUR PAPER WAS REJECTED FROM ONE OF THE SI JOURNALS, YOU CAN DIRECTLY SUBMIT IT TO J. ENERGY SYSTEMS FOR SECOND EVALUATION WITHOUT ANY DEADLINE** ( [www.dergipark.gov.tr/jes](http://www.dergipark.gov.tr/jes) ).

## A) Int. J. Renewable Energy Technology

(Inspec-indexed) ( <http://www.inderscience.com/jhome.php?jcode=ijret>)

54	PARAMETRIC OPTIMIZATION OF A FRANCIS TURBINE RUNNER FOR A REHABILITATION PROJECT IN TURKEY	Elikalfa A., Celebioglu K., Acar E., Aradag S.
69	ANALYSIS OF A HEAT PUMP ASSISTED SOLAR WATER HEATING SYSTEM USING TRNSYS PROGRAM	Salih Coşkun, Gamze Kandirmiş, Cüneyt Tunçkal
55	GENERAL SITUATION OF WIND ENERGY SOURCE IN TURKEY AND WIND TURBINE TECHNOLOGIES	Yusuf Alper Kaplan, Hasan Bildircin
81	TESTING OF THE USE OF LOW ENVIRONMENTAL IMPACT MATERIALS IN RENEWABLE ENERGY INSTALLATIONS	Jon Uriarte, Ortzi Akizu, Ana Boyano, Asier González-González, Jose Manuel Lopez-Guede
95	A SOFTWARE-IN-THE-LOOP SIMULATION SETUP FOR HYDROELECTRIC POWER PLANTS	Dogan Gezer , Yigit Tascioglu, Dr. Kutay Celebioglu
152	ANALYSIS OF A NOVEL FOUR LEVEL FLYING CAPACITOR H-BRIDGE CONVERTER	Feyzullah Gülpınar, Filiz Sarı, Yunus Uzun
146	A SMART HOME APPLICATION BASED ON WIRELESS SENSOR NETWORKS	Gökhan Göçmen , Erdal Irmak, Ali Köse
104	DESIGN AND SIMULATION OF A NEW OSCILLATING PULSE CURRENT SYNCHRONOUS DRIVE WITH POWER ANALYSIS	Valdas Jankūnas, Eleonora Guseinovienė, Audrius Senulis, Brigita Boguzaitė
83	POWER ELECTRONIC CONVERTERS WITHOUT ELECTROLYTIC CAPACITORS	Alex Van den Bossche, Salim Haddad, Mourad Mordjaoui
135	BIOMASS CO-FIRING FOR INCREASE RES AND ACHIEVING CO <sub>2</sub> CUT TARGETS FOR A POWER UTILITY IN SOUTH-EAST EUROPE – EPBIH CASE STUDY	Anes Kazagić, Nihad Hodžić, Sadjit Metović
88	THE ROLE OF INTERNATIONAL ENERGY DEPENDENCY ON NATIONAL WELFARE	Ortzi Akizu, Erol Kurt, Gorka Bueno, Jose Manuel Lopez-Guede, Iñaki Arto
79	NEURAL NETWORK WIND TURBINE MODEL BASED YAW CONTROL DESIGN AND OPTIMIZATION	Ekaitz Zulueta, Igor Serna, Unai Fernandez, Jose Manuel Lopez-Guede and Jose Antonio Ramos Hernanz
103	A LOW COST MODELLING OF POWER MANAGEMENT IN SMART ROOM	Ahmed K. ALI, Ergun Erceleb

**B) Selected papers for Journal of Energy Systems  
(Google Scholar, DergiPark) ([www.dergipark.gov.tr/jes](http://www.dergipark.gov.tr/jes))**

140	INTERACTION BETWEEN RIVER AND WIND	Ece Ekmekci, Mehmet Ali Karadasli, Sule Kapkin
155	APPROACH AND EFFECTS TO QUALITY CODE NQA-1 ON NUCLEAR FACILITIES & R&D MANAGEMENT ORGANIZATIONS	Kwan-Hyun KIM, Ki-Jong JANG, Ji-Hoon HA, Jae-Eon JEON, Hae-Jin KIM
158	PRELIMINARY ELECTROMAGNETIC DESIGN OF A NEW RADIAL FLUX PERMANENT MAGNET MOTOR	Ibtissam Bouloukza, Mourad Mordjaoui, Erol Kurt, Güngör Bal, Coşkun Ökmen
156	A SHORT REVIEW ON THE USE OF RENEWABLE ENERGIES AND MODEL PREDICTIVE CONTROL IN BUILDINGS CLIMATIZATION	Jose Maria Santos-Herrero , Jose Manuel Lopez-Guede, Ivan Flores
41	A RENEWABLE BASED HYBRID SYSTEM FOR A MOUNTAIN HOUSE IN SAKARYA, TURKEY	Adem Ugurlu, Cihan Gokcol
82	ONGOING MODELING OF A HARVESTER	Jose Manuel Lopez-Guede, Francesco Cottone, Maurizio Mattarelli, Philippe Basset, Ekaitz Zulueta, Unai Fernandez-Gamiz, Ana Boyano, Igor Ansoategi
138	SUSTAINABILITY PARAMETERS OF THE SARAJEVO DISTRICT HEATING SYSTEM	Haris Lulić, Adnan Đugum
91	COMPUTATIONAL MODEL OF AN AXIAL FAN	Unai Fernandez-Gamiz, Mustafa Demirci, Ekaitz Zulueta, Jose Antonio Ramos, Jose Manuel Lopez-Guede, Erol Kurt
131	CHARACTERIZATION AND MEASUREMENT TECHNOLOGY FOR SEMICONDUCTOR MATERIALS	H. Hilal Kurt
139	WAVE POWER PREDICTION	Henock Mamo Deberneh , Intaek Kim
6	ANALYSIS OF SCENARIOS FOR ACHIEVING OPTIMAL ENERGY EFFICIENCY OF PUBLIC BUILDINGS	Nura Širbegović, Ejub Džaferović , Amra Hasečić
21	MEASUREMENT OF INDOOR AIR QUALITY AT HIGHER EDUCATIONAL INSTITUTIONS	Nurin S. Zečević, Ejub Džaferović , Azrudin Husika
74	SIMULATION OF INDUCTION SYSTEM USED FOR HYDROGEN TUBE HEATING	Salih Nacar, Selim Öncü
125	DESIGN OPTIMIZATION STUDY OF A TORUS TYPE AXIAL FLUX MACHINE	Serdal Arslan, Erol Kurt

## C) Selected papers for J. Electronic Materials (SCI-indexed)

24 SELECTIVE Zn<sub>0.95</sub>Sn<sub>0.05</sub>O NANOSTRUCTURE THIN FILM FOR EXHALED BREATH SENSING

Irmak Karaduman, Tuğba Çorlu, Memet Ali Yıldırım, Aytunç Ateş, Selim Acar

97 FIRST –PRINCIPLES STUDY ON SEMICONDUCTOR BeSiN<sub>2</sub> WITH CHALCOPYRITE STRUCTURE UNDER PRESSURE

Yasemin O. Ciftci, Irem O. Alp

100 HIGH-PRESSURE EFFECT ON ZnSiN<sub>2</sub>: A FIRST-PRINCIPLES STUDY

Irem Oner Alp, Yasemin Oztekin Ciftci

114 REDUCTION OF DEPOLARIZATION OF PIEZOELECTRIC MATERIAL BY CONTROLLING PARTICLE SIZE DISTRIBUTION

Jeong Pil Jhun, Yewon Song, Gyeong Ju Song, Sang Bum Woo, Deok Hwan Jeon, Tae Hyun Sung

116 OPTIMAL DESIGN OF PZT-BASED PIEZOELECTRIC MODULE FOR AVAILABILITY IN OFFSHORE ENVIRONMENT

Su-gil Cho, Sanghyun Park, Kwangu Kang, Seong Kwang Hong and Tae Hee Lee

121 LITHIUM BATTERY TRANSIENT RESPONSE AS A DIAGNOSTIC TOOL

Evgenii Denisov, Raoul Nigmatullin, Guzel Timergalina, Yury Evdokimov

129 ENERGY STORAGE IN THE PLASMA ELECTRONIC DEVICES WITH POROUS ZEOLITE CATHODES

U. Bunyatova, H.Y. Kurt, I.C. Koçum, Bahtiyar Salamov

142 DESIGN AND IMPLEMENTATION OF A NEW LINEAR ELECTROMAGNETIC HARVESTER

Erol Kurt, Sinan Akbaba, M. Melih Kale, Nicu Bizon

154 STRUCTURAL, OPTICAL AND VIBRATIONAL PROPERTIES OF ZnO MICROSTRUCTURES DEPOSITED ON SILICON SUBSTRATES

Bashar Lahlouh, Shadia J. Ikhmayies, Hassan K. Juwhari

127 EXPLORATION OF THE PHYSICAL PROCESSES AT ATMOSPHERIC PRESSURE GAS DISCHARGE WITH SEMICONDUCTOR ELECTRODE H. Hilal Kurt

128 INVESTIGATION OF the IR SENSITIVITY OF ZnSe PHOTODETECTOR WITH LARGE DIAMETER IN AN IR IMAGE CONVERTER H. Hilal Kurt

78 ANALYSIS OF THE COMBINED RESPONSE OF FLC AND BOOST CONVERTER FOR MPPT IN PV SYSTEMS

Josean Ramos-Hernanz, Jose Manuel Lopez-Guede, Necmi Altın, Ekaitz Zulueta, Unai Fernández

161 LOSS BEHAVIOUR OF THE DRY-TYPE POWER TRANSFORMER ACCORDING TO THE LOAD TYPE

Selami BALCI, Funda BATTAL, Ibrahim SEFA, M. Baha BAYRAM, Saban OZDEMİR, Necmi ALTIN

16 INTEGRATED SENSORLESS BLDC MOTOR CONTROL USING BEMF ON FPGAS

Verbelen Yannick, Van Belle Ewald, Touhafi Abdellah

157 CONTROL OF THE BATTERY ENERGY STORAGE SYSTEM TO MITIGATE THE WIND POWER FLUCTUATIONS

Necmi ALTIN, Süleyman Emre EYIMAYA

111 DISTURBANCE/UNCERTAINTY ESTIMATOR BASED ROBUST CONTROL OF DC PHOTOVOLTAIC SYSTEMS

Burak Kürkcü, Onur Deveci, Coşku Kasnakoğlu

28 A NOVEL VARIABLE STEP SIZE MPPT ALGORITHM UNDER FAST VARYING WEATHER CONDITIONS FOR PHOTOVOLTAIC SYSTEMS BASED ARDUINO MICROCONTROLLER

Kheireddine Dib, Rachid Chenni, Erol Kurt

45 EMBEDDED ENERGY OPTIMIZATION IN INDIRECT VECTOR CONTROL FOR INDUCTION MOTORS FOR ELECTRIC TRACTION

Mehazzem Fateh, Prasad Syam, Reama Abdellatif, and Benalla Hocine

53 NEW COMBINED CONTROL OF QUASI Z SOURCE INVERTER IN PV PUMPING SYSTEM WITH BATTERIES ENERGY

Bouebbous seif eddine, Kerdoun djallel, Chenni rachid, Benbaha noureddine, Hachemi ammar

66 MPPT FUZZY-LOGIC PHOTO VOLTAIC SOURCED VOLTAGE BASED CASCADE SLIDING MODE CONTROLLED DRIVE FOR WATER PUMPING SYSTEM

Zerimeche Ines, Mehazzem Fateh, Haouam Abdeslam , Reama Abdellatif, and Nabti Khalil

75 PRELIMINARY MODELING OF FLC DEALING WITH MPPT PROBLEM

Jose Manuel Lopez-Guede, Josean Ramos-Hernanz, Necmi Altın, Saban Ozdemir, Erol Kurt, Gorka Azkune

143 EXPLORATION OF A PERMANENT MAGNET SYNCHRONOUS GENERATOR WITH COMPENSATED REACTANCE WINDINGS IN PARALLEL ROD CONFIGURATION

Oleg Lyan, Eleonora Guseinovieñe, Aleksas Pašilis, Audrius Senulis, Audrius Knolis, Erol Kurt

148 SERIES-PARALLEL RESONANT CONVERTER WITH CURRENT LIMITING ABILITY FOR RENEWABLE ENERGY SOURCE Necmi ALTIN, Saban OZDEMİR, Selami BALCI, Ibrahim SEFA

150 A QUADRATIC BOOST CONVERTER WITH TYPE-2 FUZZY LOGIC CONTROLLER BASED MAXIMUM POWER POINT TRACKING ALGORITHM FOR PV SYSTEMS

Necmi ALTIN

151 AN INVESTIGATION ON COUPLED INDUCTORS OF QUADRATIC BOOST CONVERTERS

Selami BALCI, Ibrahim SEFA, Saban OZDEMİR, Necmi ALTIN

108 EXTREMUM SEEKING CONTROL USED FOR OPTIMAL OPERATION OF WIND TURBINE UNDER TURBULENT WIND GUSTS

Nicu Bizon, Erol Kurt, Mihai Culcer, Mariana Iliescu, Robert Beloiu

39 A COMPARATIVE ANALYSIS OF MPPT METHODS USING REDUCED RULE COMPRESSED FUZZY LOGIC CONTROL AND INCREMENTAL CONDUCTANCE METHOD

Ekrem Kandemir, Selim Borekci, Numan Sabit Cetin

**D) Selected papers for The International Journal of Renewable Energy Development ( <http://ejournal.undip.ac.id/index.php/ijred/index> ) (Scopus, ESCI)**

119	AVOIDABLE AND UNAVOIDABLE EXERGY ANALYSIS FOR A CASCADE GEOTHERMAL PLANT PRODUCING ELECTRICITY, COOLING AND USEFUL HEAT	Víctor M. Ambriz-Díaz, Carlos Rubio-Maya, J. Jesús Pacheco-Ibarra, Hugo C. Gutiérrez Sánchez and Jorge Rangel Arista
134	EXPERIMENTAL INVESTIGATION OF CO-FIRING OF COAL WITH WOODY BIOMASS WITH AIR STAGING AND REBURNING	Nihad Hodžić, Anes Kazagić, Sadjit Metović
70	DETERMINATION OF SLICED PINEAPPLE DRYING CHARACTERISTICS IN A CLOSED LOOP HEAT PUMP ASISTED DRYING SYSTEM	Cüneyt Tunçkal, Salih Coşkun, İbrahim Doymaz, Enes Ergun
90	5MW WIND TURBINE CONTROL IMPROVEMENTS BY PASSIVE FLOW CONTROL DEVICES	Unai Fernandez-Gamiz, Ekaitz Zulueta, Ana Boyano, Jose Antonio Ramos, Jose Manuel Lopez-Guede
106	DESIGN OF AN AIR-LIFT SYSTEM FOR THE EXTRACTION OF GEOTHERMAL ENERGY FROM A MEDIUM ENTHALPY RESERVOIR IN MEXICO	Jorge A. Rangel, J. Jesús Pacheco, Carlos Rubio Maya, Luis A. Garay, José M. Medina Flores
98	AUTOMATIC AND ONLINE DETECTION OF ROTOR FAULT STATE	A. Ouanas, A. Medoued, M. Mordjaoui, S. Haddad
19	IMPACT OF BLANKET CONFIGURATION ON THE DESIGN OF A FUSION-DRIVEN TRANSMUTATION REACTOR	Bong Guen Hong
68	MATHEMATICAL MODELLING OF SLAG FORMATION IN AN ENTRAINED-FLOW GASIFIER	Girts Zageris, Vadims Geza, Andris Jakovics
93	IMPROVING THE EFFICIENCY OF A NUCLER POWER PLANT USING A THERMOELECTRIC COGENERATION SYSTEM	Rauf Terzi, Erol Kurt
51	TUNING OF ANTI-WINDUP PID CONTROLLER FOR A DC MOTOR DRIVE SYSTEM USING STOCHASTIC FRACTAL SEARCH ALGORITHM	Emre Çelik, Halil Gör, Nihat Öztürk
80	WIND SPEED TIME SERIES GENERATED BY AUTOREGRESSIVE MODEL FOR WIND TURBINE PITCH CONTROLLER SIMULATION PURPOSES	Asier González-González, Unai Martínez-de-Estarrona, Alberto Jiménez Cortadi, Jose Manuel Lopez-Guede
112	LIQUID DESICCANT HEAT PUMP SYSTEM UTILIZING SOLAR PHOTO VOLTAIC THERMAL MODULE	Samsun Ma, Haesu Kang, Jaekeun Lee, Minchan Park, Chikwang Kim
123	DIAGNOSIS OF INDUCTION MACHINE DRIVES	Robert Beloiu
89	ASCERTAINING EMERGING GERMAN BOTTOM-UP ENERGY TRANSITIONS THROUGH CASE STUDY ANALYSIS	Ortzi Akizu, Gorka Bueno, Iñaki Barcena, Jose Manuel Lopez-Guede

## **E) Selected papers for Metallurgical and Materials Transactions A (SCI-indexed)**

25 NITRIC OXIDE SENSING PROPERTIES OF Ni DOPED ZnO THIN FILMS FOR LOW GAS CONCENTRATIONS

Hakan Sürel, Baktiyar Soltabayev, Tuğba Çorlu, Irmak Karaduman, Memet Ali Yıldırım, Aytunç Ateş, Selim Acar

96 FIRST-PRINCIPLES STUDY OF OF STRUCTURAL, ELASTIC, ELECTRONIC AND THERMOELECTRIC PROPERTIES FOR BaSiN<sub>2</sub>

Yasemin O. Ciftci ,Irem O. Alp

101 AB-INITIO CALCULATIONS ON THE THERMOELECTRIC PROPERTIES OF SrSiN<sub>2</sub>

Irem Oner Alp, Yasemin Oztekin Ciftci

115 CHARACTERISTICS OF ROAD TRAFFIC AS A POSSIBLE SOURCE OF A NOVEL ENERGY SOLUTION together with ID 133 DESIGN UNDER UNCERTAINTY OF PIEZOELECTRIC ROAD ENERGY HARVESTER CONSIDERING MULTI-PHYSICS

Yewon Song, Ji Young Choi, Jihoon Kim, Chan Ho Yang, Jeong Pil Jhun, Tae Hee Lee, Tae Hyun Sung

18 ELECTRONIC AND OPTICAL PROPERTIES OF ATOMIC LAYER DEPOSITED ZnO AND TiO<sub>2</sub>

H. Ates, E. Battal, S. Bolat, F. Oruc, A. K. Okyay

31 CATALYTIC PERFORMANCE OF ACTIVATED CARBON SUPPORTED COBALT (II) FLUORIDE IN DEHYDROGENATION OF METAL BOROHYDRIDES

Ahmet F. Karabulut, Metin Gürü

49 PRODUCTION OF THREE DIMENSIONAL ZnO MULTILAYERED MICRO STRUCTURES FROM SELF ASSEMBLED ZnO MICRO DISCS

Shadia J. Ikhmayies

61 SYNTHESIS OF FLOWER-LIKE ZnO MICRO/NANO STRUCTURES BY THE SPRAY PYROLYSIS TECHNIQUE

Shadia J. Ikhmayies

62 A NEURAL NETWORK DESIGN AND PREDICTION SCHEME UPON THE BEHAVIOR OF A PIEZOELECTRIC HARVESTER

Emre Çelik, Yunus Uzun, Erol Kurt, Nihat Öztürk

92 COMPUTATIONAL CHARACTERIZATION OF UNDERWATER PIEZOELECTRIC ENERGY HARVESTER

Unai Fernandez-Gamiz, Francesco Cottone, Jose Antonio Ramos, Ekaitz Zulueta , Jose Manuel Lopez-Guede

147 ORIENTATION OF FINSIN A THEMAL-ENERGY STORAGE UNIT WITH PHASE-CHANGE MATERIAL

Muris Torlak, Nijaz Delalić

130 ELECTRONIC AND OPTICAL STUDIES ON THE II-VI GROUP CdS SEMICONDUCTOR MATERIALS IN THE MICRODISCHARGE CELL

H. Hilal Kurt

17 OPTICAL AND ELECTRICAL AND CRYSTAL PROPERTIES OF TiO<sub>2</sub> THIN FILMS GROWN BY ATOMIC LAYER DEPOSITION ON SILICON AND GLASS SUBSTRATES

I.Kupa, Y. Unal, S.S. Cetin, K. Topalli, A.K. Okyay, H. Ates

32 RECOVERY OF CALCIUM METABORATE AND RE-SYNTHESIS OF CALCIUM BOROHYDRIDE BY THE MECHANOCHEMICAL REACTION

Ahmet F. Karabulut, Metin Gürü

153 OPTICAL PROPERTIES OF ZnO MICRO RODS DEPOSITED ON SILICON SUBSTRATES

Hassan K. Juwhari, Bashar Lahlouh, Shadia J. Ikhmayies

**F) Selected papers for Int. J. Hydrogen Energy** (According to SI Editor, this year only publishes Hydrogen-related topical issues. For that journal please careful to decrease the ithenticate similarity lower then 15%. ) **(SCI-Expended indexed)**

65 ON THE ENERGY EFFICIENCY OF STANDALONE FUEL CELL/RENEWABLE HYBRID POWER SOURCE WITH CONTROLLED FUELLING FLOWS Cristian Ioan Hoarcă, Nicu Bizon, Laurentiu Pătularu

71 AIR FLOW REAL-TIME OPTIMIZATION STRATEGY FOR FUEL CELL HYBRID POWER SOURCES WITH FUEL FLOW BASED ON LOAD-FOLLOWING Nicu Bizon, Erol Kurt, Gabriel Iana

73 SIMULATION OF FUZZY LOGIC CONTROLLED ELECTROLYSIS SYSTEM WITH RESONANT CONVERTER Salih Nacar, Selim Öncü

109 FUEL FLOW REAL-TIME OPTIMIZATION STRATEGY FOR FUEL CELL HYBRID POWER SOURCES WITH AIR FLOW BASED ON LOAD-FOLLOWING Nicu Bizon, Phatiphat Thounthong, Mihai Oproescu

122 THE PECULIARITIES OF RELAXATION PROCESSES IN PEM FUEL CELL Evgenii Denisov, Raoul Nigmatullin, Timur Nikishin, Yury Evdokimov, Serguei Martemianov, Anthony Thomas

141 OPTIMIZATION OF HYDROGEN DRY CELL FOR: ENERGY, PRODUCTIVITY, AND EFFICIENCY G. N. Reddy, Bishesh Acharya, Sadish Srestha, and Ramesh Guduru



## G) Selected papers for Int. J. Sustainable Energy Planning and Management

(<https://journals.aau.dk/index.php/sepm/index>) (SCOPUS indexed)

(Authors need to register at <https://journals.aau.dk/index.php/sepm/user/register> before getting access to the submission system for that journal. Also authors should read the author guidelines at <https://journals.aau.dk/index.php/sepm/about/submissions> and indicate e.g. ECRES2017(Kurt) in the submission comment to the editor.)

29	CURRENT SITUATION AND NEAR FUTURE TARGETS OF TURKEY IN RENEWABLE ENERGY	Adem Ugurlu, Cihan Gökçöl
56	NEW EMPIRICAL MODELS ON THE DETERMINATION OF SOLAR MAP AND A COMPARISON STUDY	Yusuf Alper Kaplan, Şener Agalar
63	OPTIMAL REDUCTION OF PEAK ELECTRICITY DEMAND WITH CONTROL OF AIR CONDITIONING	Asma Rebai, Salim Haddad , Mourad Mordjaoui, Rédha Klaiaia
76	BIOMASS ESTIMATION IN THE ARRATIA-NERVIÓN REGION (BASQUE COUNTRY) USING LIDAR DATA	Leyre Torre Tojal, Javier María Sánchez Espeso, Aitor Bastarrika Izagirre
117	A SPATIAL PERSPECTIVE TO OFFSHORE WIND ENERGY DEVELOPMENT. LESSONS LEARNED FROM THE GREEK EXPERIENCE	Dimitris Banousis, Konstantinos Gkarakis
107	PROBABILISTIC ANALYSIS TO SIZE RENEWABLE ENERGY PLANTS	Rafael Cano, Ángel L. Trigo , Esther Romero, Jesús Riquelme
118	IMPACT OF THE NEW RENEWABLE SUPPORT SCHEME IN THE IBERIAN/SPANISH ELECTRICITY MARKET	Juan Manuel Roldan Fernandez, Manuel Burgos Payan, Jesus Manuel Riquelme Santos, Angel Luis Trigo García
22	FORECASTING ELECTRICITY CONSUMPTION IN TURKEY WITH BAYESIAN POLYNOMIAL REGRESSION ANALYSIS	Mehmet Erdem, Serol Bulkan, Diyar Akay, Fatih Emre Boran
77	SOLAR PANEL SUITABILITY MAP AND ASSESSMENT OF THE LOCATION OF INSTALLED PANELS IN ROOFS IN THE MUNICIPALITY OF VITORIA-GASTEIZ (ALAVA, SPAIN)	Aitor Bastarrika, Arrate Ustarroz, Ortzi Akizu, Karmele Artano, Jose Manuel Lopez-Guede, Pilar Martinez-Blanco, Amaia Mesanza, Leyre Torre
84	OBTAINING OPTIMAL SPINNING RESERVE AND UNIT COMMITMENT CONSIDERING THE SOCIO-ECONOMIC PARAMETERS	Mehmet Rıda Tür, Selim Ay, Mohammed Wadi, Abdulfetah Shobole