



www.dergipark.gov.tr/jes

JOURNAL OF ENERGY SYSTEMS

an international
open access
peer - reviewed
journal

Year: 2021
Volume: 5
Issue: 1

e-ISSN: 2602-2052

Journal of Energy Systems (JES)

Quarterly Publishing Scientific Peer Reviewed Open Access Online Journal

ISSN: 2602-2052, Year: 2021, Volume: 5 Issue: 1

URL: <http://dergipark.gov.tr/jes>, Email: jenergysys@gmail.com

Address: 19 Mayıs Mah. Şemdinli Cad. No:17/11, Keçiören Ankara TURKEY

The Journal of Energy Systems (JES) aims to publish high quality research and review papers on energy systems design and implementation. The submitted materials must fulfill the conditions of being innovative, sustainable and practical information to make an impact on the society of energy engineering.

First published in 2017

2021, Volume 5, Issue 1 Content

Low density hemp shive particleboards for latent thermal energy storage performance / Pages: 1-9, Edgars KĪRĪLOVS, Inga ZOTOVA, Silvija KUKLE, Kārlis PUGOVĪČS

Dynamic analysis of a tri-floater with vertical axis wind turbine supported at its centroid / Pages: 10-19, Asadulla THOPPIL, M AKBAR, Dadi RAMBABU

Proton exchange membrane fuel cell fault and degradation detection using a coefficient of variance method / Pages: 20-34, Sujit BARHATE, Rohini MUDHALWADKAR

Evaluation through finite element and numerical simulation of triboelectric polymer pairs in vertical contact mode / Pages: 35-45, Shimna SHAFEEK, Sibgatulla SHARĪEEF

Modeling of doubly fed induction generator-based wind energy conversion system and speed controller / Pages: 46-59, Endalew HAILE, Getachew WORKU, Asrat Mulatu BEYENE, Milkias TUKA

Editor in Chief

Prof. Dr. Erol Kurt

Co-Editor

Prof. Dr. Mehmet Tekerek

Field Editors

Energy Informatics

Dr. Adem Tekerek, Gazi University, Turkey

Dr. Ahmet Artu Yıldırım, CyberGIS Center for Advanced Digital and Spatial Studies, USA

Prof. Dr. Mehmet Tekerek, Kahramanmaraş Sütçüimam University, Turkey

Energy Issues in Electrical and Electronics Engineering

Prof. Dr. Nicu Bizon, Pitesti University, Romania

Energy Issues in Mechanical Engineering

Prof. Dr. Alessandro Zanarini, University of Bologna, Italy

Prof. Dr. Mustafa Aktaş, Gazi University, Turkey

Energy Issues in Nuclear Engineering

Assoc.Prof.Dr. Aybaba Hançerlioğulları, Kastamonu University, Turkey

Energy Issues in Mechatronics Engineering

Assoc. Prof. Dr. Jose Manuel Lopez Guede, University of Basque Country, Spain

Energy Issues in Material Engineering

Dr. Shadia Ikhmayies, Al-Isra University, Jordan

Prof. Dr. Bernabé Marí Soucase, Valencia Polytechnic University, Spain

Energy Issues in Chemistry

Assoc. Prof. Dr. Ferda Hacivelioglu, Gebze Technical University, Turkey

Biomass & Biodiesel

Assoc.Prof.Dr. Çiğdem Yangın Gömeç, Istanbul Technical University, Turkey

Nano-materials & characterization

Prof. Dr. Hatice Hilal Kurt, Gazi University, Turkey

Editorial Assistance

Bekir Dursun, Trakya University

Editorial Board Members

Dr. Haitham Abu-Rub, Texas A&M University at Qatar, Qatar
Dr. Selim Acar, Gazi University, Turkey
Dr. Adem Acir, Gazi University, Turkey
Dr. Burak Akin, Yıldız Technical University, Turkey
Dr. Mustafa Aktaş, Gazi University, Turkey
Dr. WailN. Al-Rifaie , Philadelphia University, Jordan
Dr. Necmi Altın, Gazi University, Turkey
Dr. Nam Choon Baek , Korea Institute of Energy Research, S. Korea
Dr. Saed Badshah, International Islamic University, Pakistan
Dr. Güngör Bal, Gazi University, Turkey
Dr. Sertac Bayhan, Texas A&M University at Qatar, Qatar
Dr. Ramazan Bayındır, Gazi University, Turkey
Dr. Robert Beloiu, Pitesti university, Romania
Dr. Alessio Bosio, Università di Parma, Italy
Dr. Zhibin Chen, Institute of Nuclear Energy Safety Technology, China
Dr. Rachid Chenni , University Mentouri of Constantine, Algeria
Dr. Ayman Hassan El-Hag, American University of Sharjah, UAE
Dr. Çiğdem Yangın Gömeç, Istanbul Technical University, Turkey
Dr. JoseManuel Lopez Guede, Basque Country University, Spain
Dr. Eleonora Guseinoviene, Klaipeda University, Lithuania
Dr. Loreto V. Gutierrez, CIEMAT Solar Platform of Almeria, Spain
Dr. Mohammad Nurul Alam Hawlader , International Islamic University, Malaysia
Dr. Jose A. Ramos Hernanz, Basque Country University, Spain
Dr. Arif Hepbaşlı, Yaşar University, Turkey
Dr. Qunying Huang, Institute of Nuclear Energy Safety Technology, China
Dr. Saqib Javed, Chalmers University of Technology, Sweden
Dr. Birol Kılıç, Başkent University, Turkey
Dr. Murat Kunelbayev, Women's Teacher Training University, Kazakhstan
Dr. Sing Lee , Institute for Plasma Focus Studies, Australia
Dr. TaeHee Lee , Hanyang University, S. Korea
Dr. MarioE. Magana , Oregon state University, USA
Dr. Corneliu Marinescu , Transilvania University of Brasov, Romania
Dr. Mordjaoui Mourad, University of 20 Aout 1955, Algeria
Dr. Munir H. Nayfeh, University of Illinois Urbana-Champ., USA
Dr. Guido Van Oost , University of Gent, Belgium
Dr. Zdzisław Pólkowski, Uczelnia Jana Wyzykowskiego, Poland
Dr. Saffa Rifat, University of Nottingham, UK
Dr. Carlos Rubio-Maya, Univ. Michoacana de San Nicolás de Hidalgo, Mexico
Dr. Antans Sauhats, Riga Technical University, Latvia
Dr. İbrahim Sefa, Gazi University, Turkey
Dr. Raşit Turan, Middle East Technical Uni., Turkey
Dr. Yunus Uzun, Aksaray University, Turkey
Dr. Geert Verdoolaege, Gent University, Belgium
Dr. Diana Zalostiba, Riga Technical University, Latvia
Dr. Eduardo Zarza, CIEMAT Solar Platform of Almeria, Spain
Dr. Ahmed F. Zobaa , Brunel Univeristy, UK

Reviewers of the Issue

Dr. Burak Akin	Dr. Divya Sdivya
Dr. Ferda Hacivelioglu	Dr. Francesco Cottone (BM)
Dr. Francesco Orfei	Dr. Haci Mehmet Şahin
Dr. Javad Rahebi	Dr. Mustafa Aktaş (BM)
Dr. Nicu Bizon (BM)	Dr. Rakesh Kumar
Dr. Unai Fernandez	

Indexing and Abstracting

Indexing in **EBSCO Academic Search Ultimate** & **SCOPUS**

Journal of Energy Systems (JES); is the official journal of; Electrical and Computer Engineering Research Group (ECERG) and European Conference on Renewable Energy Systems (ECRES)

