

7th

**Global Congress
on Renewable
Energy and
Environment**

**ESWAE
2019**

**18-20
October
2019**

**Grand Park Lara Hotel
Convention Center
Lara – Antalya
Turkey**

ESWAE

Participation

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PROGRAM BOOK

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**7th Global Congress on Renewable Energy
and Environment
(REE-2019)**

18-20 October 2019

**Grand Park Lara Hotel Convention Center
Lara – Antalya, Turkey**

Organization

Istanbul Ayyansaray University
Association for Human, Science, Nature, Education and Technology
The Academic Events Group
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Istanbul Ayvansaray University
Association for Human, Science, Natura, Education and Technology
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KEYNOTES



Prof. Dr. Ramazan Sari

Middle East Technical University, Department of Business Administration
Ankara – TURKEY

Keynote Title: “Importance of Economic and Social Issues in Efficient Solar and Wind Energy Policy Development”

Abstracts: Energy has a central role in the contemporary debates on global warming and sustainable development. There is an ongoing discussion on whether we have reached the limits of fossil-based energy forms. It is very obvious that the transition from fossil-based energy forms to more renewable energy forms will positively alter the discussion on energy policies. It is not clear how replacing old energy forms with supposedly more renewable ones will be able to solve energy-related problems, without first addressing fundamental questions related to, for example, unsustainable production and consumption patterns, as well as deeper structural issues, such as social inequality in energy systems. Thus, two fields have grown in energy literature. Energy justice is an emerging research field that advances understandings of how energy systems and energy transitions impact upon societies. The social acceptance of policies are progressively becoming more important for policy and decision makers worldwide aiming to design policies that reach attempted targets smoothly with community support.



Prof. Dr. Özcan Asilkan

Dean of the Faculty of Computer Science and IT
Metropolitan University of Tirana (UMT)
Tirana, Albania

Keynote Title: “New Challenges for a Smarter Tourism in the Light of Big Data”

Abstract: In the last decade, Big data has become the most popular and widely used term to explain data availability and exponential growth in the rapidly changing modern world. It has evolved to bring new opportunities to professionals like scientists, managers, and policymakers to make effective decisions. “Big data” by now is a buzzword that is often used without an understanding of what it actually refers to. According to [Gartner’s](#) technical definition, big data is: “high-volume, high-velocity and/or high-variety information assets that demand cost-effective, innovative forms of information processing that enable enhanced insight, decision making, and process automation.” Technicalities aside, big data is the most advanced tool that companies can use to know as much as possible your customers and target customers, no matter how large. Knowing the users you are addressing is the best way to communicate with them effectively, keep them loyal, and ensuring that they don’t turn to competitors. With digital transformation, nothing is the same as before, and this is especially the case for growing Travel &

Tourism sector, which is responsible for generating about 10.4% of the world's GDP and 319 million jobs (about one in 10, internationally). Digital transformation has triggered an enormous series of consequences that have placed the customer at the center of things. Today, it's no longer the customer following the brand but the opposite. This is true for many sectors, but especially for travel and tourism. The industry of tourism thrives on information. Tourism big data is typical information produced by travelers themselves. Big data can deliver up-to-date and immensely informed inferences regarding behavior and human activity that enhances the tourism industry. Tourists leave various digital traces behind when using mobile technologies on the web. Through every tourist, enormous amounts of data are present about everything that is relevant to different stages of travel — before, between and after a voyage. Due to the vast amounts of data availability in the cloud, analytics has become a need to make sense of the information present in the data. If you are a new customer planning for a trip, you probably acquire more sources from the internet when you are buying tickets, researching attractions or reserving accommodations. Members of the tourism industry are slowly turning to big data to find new ways for improving opportunities, decision-making and overall performance, for example, an interconnection of scattered information can be made possible through big data. Merchants and agencies involved in tourism can find various methods to use a diversity of data resources to interact with potential guests at each stage of a tour and use these big data sources to timely and better understand the increasing visitor statistics. They can also re-market to aim customers who have chosen a particular destination on an agency travel website. Big data tourism using particular methods have benefits over traditional methodologies, which will be discussed during this conference.

Biography:

Prof. Özcan Asilkan is an experienced Computer Engineer and Professor of Management Information Systems with a demonstrated experience in manufacturing and tourism industries. His research Interests focus on Management Information Systems, Machine Learning, Data Mining, CRM and Tourism. With more than 20 years of academic and business expertise, he has held many engagements throughout the world, mainly in Turkey, North Cyprus, Germany and Balkan countries. As an IT expert, he worked as System Analyst, Database Administrator and Application Developer, took part in many projects, e.g. the implementation of CRM and ERP Systems in manufacturing companies and hotel resorts. He also served as consultant for the several software companies, located in Antalya Technopark, dedicated to the production of hotel management software. As an Academic, he founded and chaired the departments of Computer Engineering and Management Information Systems in various universities. Among the major courses he has taught over the years are Statistics, Data Mining, Artificial Intelligence, MIS, XML, Algorithms & Programming, Software Testing, etc. He is the co/author of approximately 50 papers published in international journals and conferences. He chaired several international conferences and joined as Keynote speaker to several others. In addition to the native language (Turkish), he also knows English and German. Since September 2019 he has been working as the Dean of the Faculty of Computer Science and IT at Metropolitan University of Tirana (UMT) in Albania.

PANEL



Assoc. Prof. Dr. MURAT SÖNMEZ

Middle East Technical University, Northern
Cyprus Campus, North Cyprus

Panel Title: “Is the Aim, in any Case, to Publish Articles at all Costs? Research and Publication Ethics”

Abstract: In today’s competitive world, the importance of scientific research leading to new technologies and innovative products is undeniable. Publishing the results and outcomes of a research is crucial. It should be recorded by whom the research was conducted and who is responsible for the research outputs. The

publication of research results in scientific community will enable other researchers to benefit from the results and, if necessary, to carry out additional studies. In the recruitment of professors to universities, and later in the extension of their contracts, and their promotions, number of publications is used as an important criterion. In some universities, number of publication is used as the main measuring tool to promote academic staff. Such a wrong policy may enforce young academicians to publish articles in any case at all costs. They may violate research ethics rules, or may find journals that their referees are not very competent on the subjected things or may even show someone else’s research as his own, in order to be promoted in a shorter period of time. In this article, research and publication ethics are reviewed. The role of journal editors and ethics committee of universities are highlighted for preventing possible violations.

Key Words: Research ethics, publication ethics

Bio: Assoc. Prof. Dr. Murat Sönmez, was born in Ankara, Turkey, in 1959. He received his PhD degree in Mechanical Engineering from Middle East Technical University (METU), in 1995. He worked as a research engineer, a teaching assistant and then an instructor for METU (Ankara Campus) between 1981- 2007. Currently, he is a full-time faculty member in the Mechanical Engineering Program at METU Northern Cyprus Campus. His main research interests include energy saving, energy management, technical education, computer aided design and manufacturing. He is editor in chief of World Journal of Environmental Research, member of Research and Publication Ethics Committee of METU NCC, and one of the members of the editorial board of the Science PG- Educational Journal. He is also one of the peer reviewers of Science PG- American Journal of Energy Engineering, and that of British Educational Research Journal.

DRAFT PROGRAM

IMPORTANT EVENTS

| | |
|-----------------|------------------------------|
| 17 October 2019 | |
| 18:00 – 19:00 | Welcome Cocktail (Lobby Bar) |

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| 17 October 2019 | |
| 19:00 – 21:00 | Open Buffet Dinner |

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| 17 October 2019 | |
| 21:30 – 23:00 | Hotel Show |

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| 18-19-20 October 2019 | |
| 07:00 – 09:00 | Breakfast |

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| 18-19 October 2019 | |
| 08:30 – 10:00 | Registration |

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|---------------|--|------------------|--------|
| 18.10.2019 | | Opening Ceremony | Hall 1 |
| 10:00 – 10:10 | | | |

| TIME | TITLE | SPEAKER | HALL NAME |
|---|--|--|-----------|
| 18.10.2019 10:10 – 11:10 Keynote 1 | “Importance of Economic and Social Issues in Efficient Solar and Wind Energy Policy Development” | Prof. Dr. Ramazan Sari Middle East Technical University, Department of Business Administration Ankara – TURKEY | 1 |

| TIME | TITLE | SPEAKER | HALL NAME |
|---|---|--|-----------|
| 19.10.2019 09:00 – 10:00 Keynote 2 | “New Challenges for a Smarter Tourism in the Light of Big Data” | Prof. Dr. Özcan Asilkan Dean of the Faculty of Computer Science and IT, Metropolitan University of Tirana (UMT), Tirana, Albania | 1 |

| TIME | TITLE | SPEAKER | HALL NAME |
|---|---|---|-----------|
| 18.10.2019 11:30 – 12:30 Panel | “Is the Aim, in any Case, to Publish Articles at all Costs? Research and Publication Ethics” | Assoc. Prof. Dr. Murat Sönmez Middle East Technical University, Northern Cyprus Campus | 1 |

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| 18-19.10.2019 19:00 – 20:30 | Dinner |
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| 18-19.10.2019 20:30 – 21:30 | Networking Time (Lobby Bar) |
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| 19.10.2019 18:00 – 18:20 | Closing Ceremony |
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| 18-19.10.2019 18:00 – 18:20 | Hotel Show |
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| 20.10.2019 09:00 – 17:00 | Historical Places and Shopping Tour |
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18/10/2019, Friday

IMPORTANT EVENTS

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| 18-19-20 October 2019 | |
| 07:00 – 09:00 | Breakfast |

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| 18-19 October 2019 | |
| 08:30 – 10:00 | Registration |

| TIME | TITLE | SPEAKER | HALL NAME |
|---|--|--|-----------|
| 18.10.2019 10:10 – 11:10 Keynote 1 | “Importance of Economic and Social Issues in Efficient Solar and Wind Energy Policy Development” | Prof. Dr. Ramazan Sari Middle East Technical University, Department of Business Administration Ankara – TURKEY | 1 |

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| 11:10 – 11:30 | Coffee Break |
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| TIME | TITLE | SPEAKER | HALL NAME |
|---|--|---|-----------|
| 18.10.2019 11:30 – 12:30 Panel | “Is the Aim, in any Case, to Publish Articles at all Costs? Research and Publication Ethics” | Assoc. Prof. Dr. Murat Sönmez Middle East Technical University, Northern Cyprus Campus | 1 |

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| 12:30 – 13:30 | Lunch |
|---------------|-------|

Session 1 13:30 – 15:30

Hall 1

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|--|---|
| 1 | Environmental Impact Assessment (EIA) Process Of Sustainable Extraction Of Oil, Gas And Petroleum Raw Materials And Processing Technological Systems | Vijayan Gurumurthyiyer, India |
| 2 | Environmental Crime - A Real Risk To The Environment And To The Human Rights | Lucretia Dogaru, <i>University Of Medicine, Pharmacy, Sciences And Technology, UMFST, Of Târgu-Mureş, Romania</i> |
| 3 | Synthesis And Characteristics Of Zno Thin Films By Spray Pneumatic Technique With Organic Solar Heater | Said Benramache, <i>University Biskra, Algeria</i> |
| 4 | Enhancement Of Heat Exchangers With Metal Foams | Mete Ozturk, Bahadır Dogan, <i>Eskisehir Technical University Transportation Vocational School, Turkey</i> |
| 5 | Modeling And Simulation Of Photovoltaic Module In MATLAB/SIMULINK | Zerzouri Nora, Benalia Nadia, Bensiali Nadia, <i>University Badji Mokhtar Annaba, Algeria</i> |
| 6 | A Parametric Study Of Office Buildings, Smart Façades In Hot And Arid Regions | Djamel Zekraoui, Noureddine Zemmouri, Algeria |

Hall 2

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|---|---|
| 1 | New Sudoku PV Array Configuration For Out Put Power Losses Minimization | Ben Si Ali Nadia, Benalia Nadia, Zerzouri Nora, <i>Badji Mokhtar University, Algeria</i> |
| 2 | Impacts Of Wind-Solar Hybrid Generation System On Steady And Dynamic Voltage Stability | Benalia Nadia, <i>Badji Mokhtar University, Algeria</i> |
| 3 | Performances Investigation Of New Natural Promising Composite For Wind Turbine Blade | Rabie El Alaoui, Morocco |
| 4 | Simulation And Evaluation Of Shading Effect On GPV Connection Of Two DC-DC Converter Configurations | Mouhoub Birane, Ahmed Derrouazin, Michel Aillerie, Cherif Larbes, Ali Cheknane, Algeria |
| 5 | The Non-Isothermal Kinetics Of Hydroxyapatite Formation In Kaolin - Natural Phosphate Mixtures | Fateh Chouia, Hocine Belhouchet, Toufik Sahraoui, <i>University Biskra, Algeria</i> |
| 6 | Green Wall For Grey Water Treatment And Recycling | Atif Mustafa, Syed Imran Ahmed, <i>NED University Of Engineering And Technology, Pakistan</i> |

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| 15:30 – 16:00 | Coffee Break |
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Session 2 16:00 – 18:00

Hall 1

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|--|---|
| 1 | Computation Of Lethal Doses By The Methods Of Lietchifield And Wilcoxon Of Total Alkaloids Of Rutamontana For Toxicological Classification And The Evaluation Of Sex Sensitivity In Rats | Mahdeb Nadia, Ghadjati Nadhra, Allouni Rima, Bouzidi Bouzidi, <i>Ferhat Abbas University, Algeria</i> |
| 2 | Evaluation Of Solar Rock Bed Used For Heating Schools In Southern Part Of Jordan | Aiman Albatayneh, <i>German Jordanian University, Jordan</i> |
| 3 | Comparison Of The OWC Dynamics With Wells And Impulse Turbine For Wave Energy Conversion | Abdelhamid El Barakaz, Morocco |
| 4 | The Concept Of Environmental Sustainability In Iraqi Legislation | Nada S. Abdulmajeed, Turhan Nurettinavci, Iraq |
| 5 | A Review On Wave Energy Conversion And Its Potential Assessment | Hafsa Bouhrim, Morocco |
| 6 | A General Wiew To Its Use And Biomass Energy Potential In Turkey | Ertugrul Guresci, <i>Kırşehir Ahi Evran University, Turkey</i> |

Hall 2

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|--|--|
| 1 | Optimization Of The Wind Turbine Gearbox Through The Genetic Algorithm | Kaoutar Daoudi, University Mohammed V, Morocco |
| 2 | The Concept Of Environmental Sustainability In Iraqi Legislation | Nada S. Abdulmajeed, <i>Northern Technical University, Iraq</i> |
| 3 | Evaluation Of Five Various Technologies Of PV Panels For Si Production Using Sahara Sand Silica Source | Mohamed Mostefai, Yahia Miloud, Abdallah Miloudi, <i>University Tahar Moulay Of Saida, Algeria</i> |
| 4 | Improvement Technique Of Direct Torque Control Of DFIG Based In Wind Energy Conversion System | Djamila Cherifi, Yahia Miloud, <i>University Tahar Moulay Of Saida, Algeria</i> |
| 5 | Study Of The Autonomy Of A Base Transceiver Station Supplied With Pv And Wind Energy In The South Of Algeria | Mohamad Lassaad Benzaoui, F. Youcef Ettoumi, <i>University Of Science And Technology Houari, Algeria</i> |
| 6 | Huge Biomass Of Cities: Kitchen Waste And Its Utilization As A Promising Feedstock | Mine Nazan Kerimak Öner, <i>Kocaeli University, Turkey</i> |

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| 18-19.10.2019 19:00 – 20:30 | Dinner |
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| 18-19.10.2019 20:30 – 21:30 | Networking Time (Lobby Bar) |
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| 18-19.10.2019 18:00 – 18:20 | Hotel Show |
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19/10/2019, Saturday

IMPORTANT EVENTS

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| 18-19-20 October 2019 | |
| 07:00 – 09:00 | Breakfast |

| TIME | TITLE | SPEAKER | HALL NAME |
|---|---|--|-----------|
| 19.10.2019 09:00 – 10:00 Keynote 2 | “New Challenges for a Smarter Tourism in the Light of Big Data” | Prof. Dr. Özcan Asilkan Dean of the Faculty of Computer Science and IT, Metropolitan University of Tirana (UMT), Tirana, Albania | 1 |

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| 10:00 – 10:30 | Coffee Break |
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Session 3 10:30 – 12:30

Hall 1

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|--|---|
| 1 | RNN Based Time Series Approach For Estimating Turkey's Electricity Consumption And Production From Renewable Sources | Hatice Genç Kavas, <i>Cumhuriyet University, Turkey</i> |
| 2 | A Climatic Factor Based Assessment Of Solar Panels | Hacer Mutlu Danaci, Setenay Uçar, Hilmi Ekin Oktay, Turkey |
| 3 | Electricity Generation Performance Of A Krypton Filled Low-E Coated Amorphous Silicon PV Glazing | Erdem Cuce, Pinar Mert Cuce, Recep Tayyip Erdogan University, Turkey |
| 4 | Corporate Social Responsibility Towards Sustainable Development | Hamdi Ozgun Sonmez, Middle East Technical University Ncc Sees Program, Turkey |
| 5 | | |
| 6 | | |

Hall 2

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------|--|--|
| 1 | Enerji Etkin Yapılarda Yangın Güvenliğinin Örnek Ofis Binası Üzerinden İncelenmesi | Pınar Oruç, Zuhâl Şimşek, <i>Uludağ University, Turkey</i> |
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| 12:30 – 13:30 | Lunch |
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POSTER PRESENTATIONS PROGRAM

| ORDER | TITLE | AUTHOR, AFFILIATION and COUNTRY |
|-------------------------|--|---|
| 14:00 – 16:00 Friday | <i>Analysis Of Environmental Pollutants And Volatiles By Headspace Solid Phase Microextraction-GC/MS Of Some Yeast Species In-Situ Cryogenic (N₂, -196°C) Collected</i> | Farid Benkaci-Ali, Gauthier Eppe, <i>University Of Sciences And Technologies Houari Boumediène, Algeria</i> |
| 14:00 – 16:00 Friday | Adsorption Of A Basic Dye (Blue Methylene) On Activated Carbon Prepared From The Shell Of An Apricot Kernel | Fadel Amar, Chebbi Rachid, Aidi Amel, <i>University Biskra, Algeria</i> |
| 14:00 – 16:00 Friday | The Inhibition Of Mild Steel Corrosion By Polymer In Hydrochloric Acid | Tarik Attar, Fatima-Zahra Benhachem, <i>Superior School Of Applied Sciences Of Tlemcen, Algeria</i> |
| 14:00 – 16:00 Friday | Experimental Study On The Mechanical Properties Of A New Composite Material Based On Natural Fibers, By Tensile Test | Rabie El Alaoui, Morocco |
| 14:00 – 16:00 Friday | Elaboration And Characterization Of Zn-Ni Layers Electrode Posed On Substrate Of A Low Alloy Steel | Fateh Chouia, Abdelouahad Chala, Abelghani Lakel, <i>University Biskra, Algeria</i> |
| 14:00 – 16:00 Friday | Miniaturized Multi-Band Antenna For Bluetooth/ WLAN And Wigo Applications | Amel Boufrioua, <i>University Of Mentouri Brothers Constantine 1, Algeria</i> |
| 14:00 – 16:00 Friday | Impact Of Rapidly Growing Urbanization On Flood Flows In The Boudjemaa Wadi Basin, Annaba, NE Algeria | Laroussi Beloulou, Salima Guechi, Saadane Djourfi, Hadjer Haiahem, <i>Université Badji Mokhtar, Algeria</i> |
| 14:00 – 16:00 Friday | A Technical Landfill Site Feasibility Study Of In The Region Of Ain Makhlof, Northeast Of Algeria | Saadane Djourfi, Samir Djourfi, Laroussi Beloulou, Salima Guechi, <i>Université Badji Mokhtar, Algeria</i> |
| 14:00 – 16:00 Friday | Electrical Characterization Of A Photovoltaic Cell | Ouassila Benzaoui, Algeria |
| 14:00 – 16:00 Friday | A Comparative Study On Conventional And Modern Maximum Power Point Tracking Algorithms Applied To Photovoltaic Systems | Rachid Belaidi, Algeria |

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| 18-19.10.2019 19:00 – 20:30 | Dinner |
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| 18-19.10.2019 20:30 – 21:30 | Networking Time (Lobby Bar) |
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| 19.10.2019 18:00 – 18:20 | Closing Ceremony |
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| 18-19.10.2019 18:00 – 18:20 | Hotel Show |
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20/10/2019, Sunday

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| 20.10.2019 09:00 – 17:00 | Historical Places and Shopping Tour |
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