

9<sup>TH</sup>

# GLOBAL CONGRESS ON RENEWABLE ENERGY AND ENVIRONMENT

ESWAE - 2021

08 – 10 July 2021 | Cyprus Science University | Ozankoy-Kyrenia, Cyprus



# PROGRAM BOOK

## ESWAE-2021 Participant Flags



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# **9th Global Congress on Renewable Energy and Environment (ESWAE-2021)**

**ONLINE and FACE-TO-FACE**

**Cyprus Science University  
Ozankoy-Kyrenia, Cyprus  
08 - 10 July 2021**

# PROGRAM BOOK

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Association for Human, Science, Natura, Education and Technology

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## KEYNOTES



**Prof. Dr. Ana Cláudia Carvalho Campina**  
Portugal

**Keynote Title:** *“Human Rights in the environmental policy of the European Union”*

**Abstract:** The Humanity faces its highest challenge, despite dangerous disregard from people, states and international organizations, although all politics, education and official and non-official entities and structures: maintain the environmental sustainability and avoid the destruction of the planet by the human behavior changing our planet provoking absolutely frightening and dangerous (millions) deaths.

As Human Rights (fundamental and procedural rights) the environment has to be in the top of the concerns and due this, one of the most important legal measure was the Paris Agreement (UN, 2015) adopted by 196 countries, binding legally and aiming to prevent the climate change, limit global warming and reach global peaking of greenhouse gas emissions. However, the time is running, and the situation is being achieving the limit to the Planet and to the Humanity.

The European Union has some of the highest environment standards developed by policies, since economic concern, protection of natural resources, working to be legal, political and social safeguards of the health and wellbeing of people from their states members. However, more than an objective, the policies and the legal demands, particularly the European Environment Agency and European Institutions are working to improve its own environment performance in straight connection with International Organizations and states, as safeguarding citizens from environment-related pressures and risk to health. Our research aims to analyze the climate change as a global problem, considering that in similitude with all over the world, from global politics and business to the climate change and the food eaten, the European Union is particularly protecting the environment sustainable as Human Right treated as a higher priority, as the scenario is becoming worst with more than 400 deaths per year in Europe due the different environment deterioration.

**Short Bio Ana Campina:** PhD Human Rights; Political Scientist; Professor in Law Department – Universidade Portucalense (UPT), Porto; Researcher in IJP Portucalense Institute for Legal Research; Lecturer of UNESCO Chair in Youth, Education and Society; Lecturer of Gonçalves Dias Chair – Brazil.

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**Prof. Dr. Carlos Rodrigues**  
Portugal

**Keynote Title:** *“Human Rights in the environmental policy of the European Union”*

**Abstract:** The Humanity faces its highest challenge, despite dangerous disregard from people, states and international organizations, although all politics, education and official and non-official entities and structures: maintain the environmental sustainability and avoid the destruction of the planet by the human behavior changing our planet provoking absolutely frightening and dangerous (millions) deaths.

As Human Rights (fundamental and procedural rights) the environment has to be in the top of the concerns and due this, one of the most important legal measure was the Paris Agreement (UN, 2015) adopted by 196 countries, binding legally and aiming to prevent the climate change, limit global warming and reach global peaking of greenhouse gas emissions. However, the time is running, and the situation is being achieving the limit to the Planet and to the Humanity.

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**Short Bio Carlos Rodrigues:** PhD European Tax Law; Professor in Universidade Fernando Pessoa (UFP), Porto, Portugal; Visiting Professor in SVTFaculdade – Brazil; Researcher in IJP Portucalense Institute for Legal Research; Lecturer of Gonçalves Dias Chair – Brazil; Ex-Principal Advisor Tax and Customs Authority; Legal Consultant.

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**Prof. Dr. Ilija Nasov**  
Skopje, Northern Macedonia

**Keynote Title:** *"Will be announce..."*

**Abstract:** *Will be announce...*

# PROGRAM BOOK

## IMPORTANT EVENTS

08.07.2021 10:00 – 10:15	Opening Ceremony	
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TIME	TITLE	SPEAKER	HALL NAME
08.07.2021 10:15 – 11:00 Keynote 1	<i>“Human Rights in the environmental policy of the European Union”</i>	Prof. Dr. Ana Cláudia Carvalho Campina and Prof. Dr. Carlos Rodrigues <i>Portugal</i>	1

11:00 – 11:20	Coffee Break	
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12:00 – 13:00	Lunch	
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TIME	TITLE	SPEAKER	HALL NAME
09.07.2021 10:00 – 10:40 Keynote 3	<i>“Will be announce...”</i>	Prof. Dr. Ilija Nasov <i>Skopje, Northern Macedonia</i>	1

09.07.2021 10:40 – 11:20	Coffee Break	
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13:00 – 14:00	Lunch	
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09.07.2021 18:20 – 19:00	Closing Ceremony	
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08/07/2021, Thursday  
Ozankoy-Kyrenia, Cyprus (GMT+2)

IMPORTANT EVENTS

08.07.2021 10:00 – 10:15	Opening Ceremony
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TIME	TITLE	SPEAKER	HALL NAME
08.07.2021 10:15 – 11:00 Keynote 1	<i>“Human Rights in the environmental policy of the European Union”</i>	Prof. Dr. Ana Cláudia Carvalho Campina and Prof. Dr. Carlos Rodrigues <i>Portugal</i>	1

11:00 – 11:20	Coffee Break
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**Session 1**  
**11:20 – 13:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Gamification of Open Inquiry-based Learning of Cryptocurrency Technologies	Davut Çulha, <i>ASELSAN, Turkey</i>
2	Online Classroom Culture and Values in Higher Education: A Case Study	Tuba Yavas, Bahar Aygün, Hüseyin Ulak, <i>Cyprus Science University, Cyprus</i>
3	Viability study of grid-connected rooftops solar PV system for different coastal cities in Lebanon	Youssef Kassem, Hüseyin Çamur, Qussai Omari, Engin Esenel, <i>Near East University, Cyprus</i>
4	Learning from Instructional Videos vs. Text: The Role of Learning Medium on Learning Performance	Emel Dikbas Torun, <i>Pamukkale University, Turkey</i>
5	Ship To Ship Tanker Transfer Operations and Risk Analysis: Probabilistic Approach	Mustafa Sökükcü, <i>Dokuz Eylul University, Turkey</i>

13:00 – 14:00	Lunch
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**Session 2**  
**14:00 – 16:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Integrated Design Approaches with Photovoltaic Panel and Solar Collectors in The Building Envelope	Gevher Nesibe Kaya, Figen Beyhan, <i>Siirt University, Turkey</i>
2	Evaluation of wind energy potential for different regions in Lebanon based on NASA wind speed database	Youssef Kassem, Hüseyin Çamur, Mohamed Almojtba Hamid Ali Abdalla, Binnur Demir Erdem, Ahmed Muayad Rashid Al-ani, <i>Near East University, Cyprus</i>
3	Two-Stage - Multi-Objective Renewable Energy Optimization	Pınar Bayram, Sultan Kostak, Ezgi Esi Celep, Zehra Kamışlı Öztürk, <i>Turkey</i>
4	Wave Analytical Techniques based Fault Initiation Detection at Middle Voltage Distribution Feeders	Andaç Kılıç, İlyas Göğebakan, Oytun Erdemir, Kadir Özen, Osman Bülent Tör, <i>ADM Electricity Distribution Co., Turkey</i>
5	Strategic Environmental Assessment (Sea) Process for Sustainable Environmental Biopolymers and Bioplastics materials Towards Sustainable Development	Vijayan Gurumurthy Iyer, <i>India</i>

16:00 – 16:20	Coffee Break
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**Session 3**  
**16:20 – 18:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Techno-economic viability analysis of fixed-tilt and two-axis tracking grid-connected residential rooftop photovoltaic power system for Northern part of Iraq	Youssef Kassem, Hüseyin Çamur, Gokhan Burge, Adivhaho Frene Netshimbupfe, Elhamam A.M. Sharfi, <i>Near East University, Cyprus</i>
2	Forecasting Of Daily Dam Occupancy Rate Using Lstm Networks	Ertugrul Ayyildiz, Melike Erdogan, Yildiz Technical University, Turkey
3	Waste Heat Recovery from Blast Furnace Slag with Supercritical CO2 Power Cycles and Thermo-Economic Analysis	Ahmet Can Bektaş, Turkey
4	An Assessment of the University Students' Attitudes and Behaviors in Online Classrooms during the COVID-19 Pandemic from the Perspective of Faculty Members	Tuba Yavas, Tahsin Oykun, Pınar Onbasi, <i>Cyprus Science University, Cyprus</i>

End of the day...

09/07/2021, Friday  
Ozankoy-Kyrenia, Cyprus (GMT+2)

IMPORTANT EVENTS

TIME	TITLE	SPEAKER	HALL NAME
09.07.2021 10:00 – 10:40 Keynote 2	“Will be announce...”	Prof. Dr. Ilija Nasov <i>Skopje, Northern Macedonia</i>	1

10:40 – 11:20	Coffee Break
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**Session 4**  
**11:20 – 13:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Gamification of Teaching Emerging Technologies	Davut Çulha, <i>ASELSAN, Turkey</i>
2	Computerized Learning Medium vs. Simple Text: Which one is better for your Learning and Retention?	Emel Dikbas Torun, <i>Pamukkale University, Turkey</i>
3	Flash Flood Risk Assessment Modelling and Methods: Kyrenia Region, Northern Cyprus	Nour Atef Alij, Youssef Kassem, Hüseyin Gökçekuş, <i>Near East University, Cyprus</i>
4	Determination of the Most Appropriate Tree Type, Production, Assembly and Destruction Methods for Spreading the Use of Wooden Poles in Electricity Distribution Networks	Fatma Avli Firiş, <i>Turkey</i>
5	Performance Investigation of Grid-Connected Photovoltaic Systems for Family Household: A Case Study in Amman, Jordan	Youssef Kassem, Hüseyin Çamur, Adnan Alhaj Othman, Loiy Alshrouf, Malik Yasin, Yousef Abu Aysheh Aysheh, <i>Near East University, Cyprus</i>

13:00 – 14:00	Lunch
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**Session 5**  
**14:00 – 16:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Best-Fit Probability Distributions and Return Periods for daily Rainfall in Kyrenia region, Northern Cyprus	Youssef Kassem, Hüseyin Gökçekuş, Nour Alij, <i>Near East University, Cyprus</i>
2	The Effect of Cobalt on Electrocatalytic Performance of Ni <sub>3</sub> (Bo <sub>3</sub> ) <sub>2</sub> On Water Oxidation in Alkaline Medium	Semra Enez, Sara Samuei, Ferdi Karadas, Emine Ülker, <i>Recep Tayyip Erdogan University, Turkey</i>
3	An Assessment on Electric Motors from The Point of Hybrid Propulsion System in Marine Vessels	Murat Bayraktar, Mustafa Nuran, <i>Dokuz Eylul University, Turkey</i>
4	An Evaluation of the Impact of Using a Smart Energy Management System in the Turkish Electricity Market	Fazıl Kaytez, <i>Ministry of Energy and Natural Resources, Turkey</i>
5	Evaluating Gin Roller Covering Materials for Cotton Double Roller Gins	Vijayan Gurumurthy Iyer, <i>India</i>

16:00 – 16:20	Coffee Break
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**Session 6**  
**16:20 – 18:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Environmental Assessment of Rainwater Harvesting and Solar System for Agriculture	Meral Korkmaz, <i>Munzur University</i> , Turkey
2	Investigation Of Water Vapor Degradation Effects on Perovskite Films Produced by Thermal Cvd and Drop Casting Method	Aysegul Cosgun, <i>Burdur Mehmet Akif Ersoy University</i> , Turkey
3	An Assessment of Situational Awareness in Sea Navigation with Neuroscience Approach	Serkan Kahraman, <i>Dokuz Eylul University</i> , Turkey
4	Cobalt-Nickel Borate with Kotoite Structure Based Hybrid Material as Water Oxidation Electrocatalyst	Semra Enez, Sara Samuei, Ferdi Karadas, Emine Ülker, <i>Recep Tayyip Erdogan University</i> , Turkey

09.07.2021 18:00 – 18:20	Closing Ceremony
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