





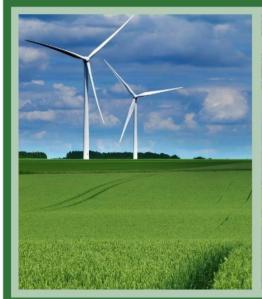






GLOBAL CONGRESS ON RENEWABLE ENERGY AND ENVIRONMENT

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





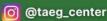


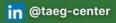
PROGRAM BOOK

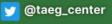
ESWAE-2021 Participant Flags





























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

Organizing Committee Organized by

Association for Human, Science, Natura, Education and Technology

Program Chair Prof. Dr. Şenay YALÇIN Nisantasi University, Turkey

International Program Committee

Dr. Pooja Bansal, *Jamia Millia Islamia*, India
Abdollah Esmaeili, *National Iranian South Oil Company (NISOC)*, Iran
Murat Sonmez, Middle East Technical University Northern Cyprus Campus, North Cyprus
Necdet Alpaslan, *Dokuz Eylul University*, Turkey
Deniz Dölgen, *Dokuz Eylul University*, Turkey
Mikdat Kadıoğlu, *Istanbul Technical University*, Turkey
Nazım Kaşot, *Cyprus International University*, Cyprus
Mike Kirkwood, *Transmission T.D. Williamson Inc*. UAE

Organizing Committee

Dr. Tahir Tavukcu, *Cyprus Social Sciences University*, Cyprus
Dr. Nihat Ekizoglu, *Ataturk Teacher Training Academy*, Cyprus
Dr. Blerta Prevalla Etemi, *AAB University*, Kosova
Phd Candidate Beria Gokaydin, *Near East University*, Cyprus
Phd Candidate Nesli Bahar Yavas, *European University of Lefke*, Cyprus
Phd Candidate Semih Caliskan, *Istanbul Aydın University*, Turkey
Phd Candidate Zeynep Genc, *Istanbul Aydın University*, Turkey
Phd. Daniel Sekyere-Asiedu, *Near East University*, Cyprus
Florijeta Hulaj, *AAB College*, Kosova
Lilia Trushko, *Girne American University*, Cyprus
Metin Berk Odabası, *Warwick University*, UK
Tolga Savaskurt, *Istanbul Aydın University*, Turkey

Secretariat

Pembe Mehmet, Florence Institute of Design International, Florence, Italy eswae.info@gmail.com

International Advisory Board

Prof. Dr. Ergun Gide, CQUniversity Sydney, Australia

Assist. Prof. Dr. Afet Arkut, Cyprus International University, North Cyprus

Dr. Akira Kondo, Osaka University, Japan

Dr. Barry Kelly, National University Of Singapore, Singapore

Dr. Brajesh K. Dubey, University Of Guelph, Canada

Dr. Cevdet Meriç, Undersecretary of Forest and Water Works, Turkey

Dr. Charles Lee, The University Of Newcastle, Singapore

Dr. Christopher Peterson, Loyola University Chicago, Usa

Dr. Gary Rand, Florida International University, Usa

Dr. David Crumrine, Loyola University Chicago, Usa

Dr. Dominik Weiss, Imperial College London, United Kingdom

Dr. Fernando P. Carvalho, Nuclear and Technology Institute, Portugal

Dr. Gopal Achari, University Of Calgary, Canada

Dr. Jason Kirby, Csiro, Australia

Dr. John Carriger, U. S. Epa, Usa

Dr. Kathlyn Kirkwood, University Of Ottawa, Canada

Dr. Kenneth Mei-Yee Leung, The University Of Hong Kong, China

Dr. Mamadou Fall, University Of Ottawa, Canada

Dr. Mark Robson, Rutgers University, Usa

Dr. Mehrdad Mohammadnia, Fars Res. Center for Agriculture and Natural Resources, Iran

Dr. Miles Dyck, University Of Alberta, Canada

Dr. Murat Fahrioğlu, Middle East Technical University Northern Cyprus Campus, Cyprus

Dr. Nancy Tuchman, Loyola University Chicago, Usa

Dr. Nhan Dang, Vietnam Atomic Energy Agency, Vietnam

Dr. Peter Burauel, Juelich Research Center, Institute of Agrosphere, Germany

Dr. Rajasekhar Bala, National University Of Singapore, Singapore

Dr. Ron Thring, University Of Northern British Columbia, Canada

Dr. S. Gh. Etemad, Isfahan University Of Technology, Iran

Dr. Sandra Knuteson, American University of Sharjah, United Arab Emirates

Dr. Selma E. Guigard, University of Alberta, Canada

Dr. Shigeki Masunaga, Yokohama National University, Japan

Dr. Shu Tao, Peking University, China

Dr. Stephen Klaine, Clemson University, Usa

Dr. Stuart Simpson, Csiro, Australia

Dr. Tham Hoang, Loyola University Chicago, Usa

Dr. Koji Arizono, Prefectural University of Kumamoto, Japan

Dr. Bryan Brooks, Baylor University, Usa

Dr.Ahmet Demir, General Manager of Istanbul Municipality Waterworks, Turkey

Dr. Ahmet Mete Saatçi, Marmara University, Turkey

Dr.Cumali Kinaci, Genaral Director of Ministry of Environment and Urbanization, Turkey

Dr. İbrahim Demir, İstanbul Technical University, Turkey

Dr. İzzet Öztürk, İstanbul Technical University, Turkey

Dr.Mehmet Emin Birpinar, Province Manager of Istanbul Environment and Urbanization, Turkey

Dr.Mehmet Karaca, Istanbul Technical University, Turkey

Dr. Metin Tülü, Yıldız Technical University, Turkey

Dr. Talha Gönüllü, Adıyaman University, Turkey

Dr. Zekai Şen, Istanbul Technical University, Turkey

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.

Email: <u>ana.campina@gmail.com</u> – ORCID (Researcher ID): <u>https://orcid.org/0000-0003-</u>0820-1280



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.

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 *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.

Email: <u>carlos.rodrigues.2502@gmail.com</u> – ORCID (Researcher ID): <u>https://orcid.org/0000-0003-0966-6274</u>



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	
10:00 - 10:15		

TIME	TITLE	SPEAKER	HALL NAME
08.07.2021 10:15 – 11:00 Keynote 1	"Human Rights in the environmental policy of the European Union"	Prof. Dr. Ana Cláudia Carvalho Campina and Prof. Dr. Carlos Rodrigues Portugal	1

11:00 - 11:20	Coffee Break

12:00 – 13:00	Lunch
---------------	-------

TIME	TITLE	SPEAKER	HALL NAME
09.07.2021 10:00 – 10:40 Keynote 3	"Will be announce"	Prof. Dr. Ilija Nasov Skopje, Northern Macedonia	1

09.07.2021	Coffee Break
10:40 - 11:20	

13:00 - 14:00	Lunch

09.07.2021 18:20 – 19:00 Closing Ceremony
--

08/07/2021, Thursday Ozankoy-Kyrenia, Cyprus (GMT+2)

IMPORTANT EVENTS

08.07.2021	Opening Ceremony	
10:00 - 10:15		

TIME	TITLE	SPEAKER	HALL NAME
08.07.2021 10:15 – 11:00 Keynote 1	"Human Rights in the environmental policy of the European Union"	Prof. Dr. Ana Cláudia Carvalho Campina and Prof. Dr. Carlos Rodrigues Portugal	1

11:00 - 11:20	Coffee Break

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</i> , Turkey
2	Online Classroom Culture and Values in Higher Education: A Case Study	Tuba Yavas, Bahar Aygün, Hüseyin Ulak, <i>Cyprus Science University</i> , Cyprus
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</i> , Cyprus
4	Learning from Instructional Videos vs. Text: The Role of Learning Medium on Learning Performance	Emel Dikbas Torun, <i>Pamukkale University</i> , Turkey
5	Ship To Ship Tanker Transfer Operations and Risk Analysis: Probabilistic Approach	Mustafa Sökükcü, <i>Dokuz Eylul University</i> , Turkey

13:00 - 14:00	Lunch
---------------	-------

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</i> <i>University,</i> Turkey
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</i> <i>University</i> , Cyprus
3	Two-Stage - Multi-Objective Renewable Energy Optimization	Pınar Bayram, Sultan Kostak, Ezgi Esi Celep, Zehra Kamışlı Öztürk, Turkey
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</i> <i>Distribution Co.</i> , Turkey
5	Strategic Environmental Assessment (Sea) Process for Sustainable Environmental Biopolymers and Bioplastics materials Towards Sustainable Development	Vijayan Gurumurthy Iyer, India

16:00 – 16:20 Coffee Break

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</i> , Cyprus
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</i> Science University, Cyprus

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 Skopje, Northern Macedonia	1

- 6		
ı	10:40 - 11:20	Coffee Break

Session 4 11:20 – 13:00

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Gamification of Teaching Emerging Technologies	Davut Çulha, ASELSAN, Turkey
2	Computerized Learning Medium vs. Simple Text: Which one is better for your Learning and Retention?	Emel Dikbas Torun, <i>Pamukkale University</i> , Turkey
3	Flash Flood Risk Assessment Modelling and Methods: Kyrenia Region, Northern Cyprus	Nour Atef Alijl, Youssef Kassem, Hüseyin Gökçekuş, <i>Near East University</i> , Cyprus
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, Turkey
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</i> , Cyprus

3:00 – 14:00 Lunch	
--------------------	--

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 Alijl, Near East University, Cyprus
2	The Effect of Cobalt on Electrocatalytic Performance of Ni3(Bo3)2 On Water Oxidation in Alkaline Medium	Semra Enez, Sara Samuei, Ferdi Karadas, Emine Ülker, <i>Recep Tayyip Erdogan University</i> , Turkey
3	An Assessment on Electric Motors from The Point of Hybrid Propulsion System in Marine Vessels	Murat Bayraktar, Mustafa Nuran, <i>Dokuz Eylul</i> <i>University</i> , Turkey
4	An Evaluation of the Impact of Using a Smart Energy Management System in the Turkish Electricity Market	Fazıl Kaytez, Ministry of Energy and Natural Resources, Turkey
5	Evaluating Gin Roller Covering Materials for Cotton Double Roller Gins	Vijayan Gurumurthy Iyer, India

16:00 - 16:20	Coffee Break

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, Munzur University, Turkey
2	Investigation Of Water Vapor Degradation Effects on Perovskite Films Produced by Thermal Cvd and Drop Casting Method	Aysegul Cosgun, Burdur Mehmet Akif Ersoy University, 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	Clasing Caramany
09.07.2021 18:00 – 18:20	Closing Ceremony