

# **4<sup>th</sup> INTERNATIONAL CONFERENCE ON ENVIRONMENTAL DESIGN**

**ICED2023**

<https://iced.eap.gr/>

**20-22 October 2023**

**Athens, Greece and Virtual**



## Scope

The conference will combine the most recent scientific developments in Environmental Design (Sustainability / Pollution / Energy / Cities-Buildings / Transportation / Erosion / Climate Change / Policy / Social Acceptance / Health Impacts). It will provide a unique opportunity for experts to interact and to apply their knowledge and latest research findings to the design and developments of environmental processes.

## Thematic Areas

Sustainability

Pollution – Pollution Control (outdoor and indoor air pollution, water pollution, soil pollution, noise and light pollution)

Analysis of Pollutants

Environmental Impact Studies

Circular Economy

Energy Sustainability, Environmental Impacts of Energy (RES/Fossil Fuels/Nuclear)

Sustainable Mobility, Impacts of Transportation on the Environment

Environmental Design of Buildings and Cities

Erosion, Protection of Specific Zones (Coastal Zone, Mountains, ...), Geotechnical Projects

Climate Change, Meteorology, Mitigation of Greenhouse Gas, Adaptation and Impacts of Climate Change

Effects of Pollution, Climate Change and Environmental Parameters on Human Health and Ecosystems

Economic, Historical, Legal, Social and Political Issues of Energy and Environment, Political Ecology

Environmental Education

Environmental Policy

Social Acceptance of Environmental Problems

Theoretical Design Issues / Impacts of Environmental Design

## Scientific Committee

**Abdou Saliha**, Université Salah Boubnider Constantine 3, Algeria  
**Anagnostopoulou Christina**, Aristotle University of Thessaloniki, Greece  
**Arabatzi Garyfallos**, Democritus University of Thrace, Greece  
**Bachawati Makram**, University of Balamand, Lebanon  
**Benharkat Sarah**, Université Salah Boubnider Constantine 3, Algeria  
**Benhassine Nassira**, Université Salah Boubnider Constantine 3, Algeria  
**Bikas George**, TH Nurnberg, Germany  
**Del Rio Alberto**, Innovamol, Italy  
**Dijksterhuis Garnt**, Wageningen University and Research, The Netherlands  
**Doulos Lambros**, Hellenic Open University, Greece  
**Durgaprasad Bhandari**, Nepal Engineering College, Nepal  
**Drimili Efi**, Hellenic Open University, Greece  
**Evelpidou Niki**, University of Athens, Greece  
**Gareiou Zoe**, Hellenic Open University, Greece  
**Gizani Nectaria**, Hellenic Open University, Greece  
**Herrero-Martin Ruth**, Polytechnic University of Cartagena, Spain  
**Ioannidis Theofilos**, FORTH/ICE-HT, Greece  
**Kaika Dimitra**, Hellenic Open University, Greece  
**Karatzas George**, Technical University of Crete, Greece  
**Kechagia Fotini**, Aristotle University of Thessaloniki, Greece  
**Kontoleon Karolos**, Aristotle University of Thessaloniki, Greece  
**Kosmas Petros**, Cyprus University of Technology, Cyprus  
**Loupasakis Constantinos**, National Technical University of Athens, Greece  
**Marcou Gilles**, University of Strasbourg, France  
**Matsouki Niki**, Hellenic Open University, Greece  
**Mihajlovic Marina**, University of Belgrade, Serbia  
**Perez Gabriel**, University of Lleida, Spain  
**Poulopoulos Stavros**, Nazarbayev University, Kazakhstan  
**Pourchez Jeremie**, School of Mines of St. Etienne, France  
**Ramesh Shrestha**, Sagarmatha Engineering College, Nepal  
**Saba Marianne**, University of Balamand, Lebanon  
**Sakantamis Konstantinos**, Aristotle University of Thessaloniki, Greece  
**Stamatelatu Katerina**, Democritus University of Thrace, Greece  
**Svetozarevic Milica**, University of Belgrade, Serbia  
**Theodosiou Theodoros**, Aristotle University of Thessaloniki, Greece  
**Tsagarakis Konstantinos**, Technical University of Crete, Greece  
**Tseliou Areti**, Hellenic Open University  
**Tsoka Stella**, Aristotle University of Thessaloniki, Greece  
**Vatikiotis Leonidas**, Hellenic Open University, Greece  
**Vanzeveren Emmanuel**, It Makes Sense, Belgium  
**Zerefos Stelios**, Hellenic Open University, Greece  
**Zervas Efthimios**, Hellenic Open University, Greece, Chair of the Conference

## Organizing Committee

**Efthimios Zervas**, Hellenic Open University, Chair of the Conference  
**Zoe Gareiou**, Hellenic Open University  
**Ioannis Mandalas**, Hellenic Open University  
**Niki Matsouki**, Hellenic Open University  
**Chara Tsipa**, Hellenic Open University

## **Conference Venue**

ICED2023 is planned to take place in a hybrid mode:

- INSITU: Ionic Center, 11 Lyssiou Str, Athens, Greece.
- ONLINE

## Connection Links for the online participants

### Friday 20/20/2023 ROOM A

#### Panelists (presenters of papers and posters)

Webinar topic: ICED2023\_Friday 20/10/2023\_ROOM A

Date and time: Friday, October 20, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m940c1df60ef007748e8ccd9c01a79587>

Webinar number: 2785 354 0298

Panelist password: uSFZNmVd347 (87396683 from phones and video systems)

Join by video system

Dial 27853540298@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

+30-21-1198-1029 Greece Toll 2

Access code: 278 535 40298

#### Attendees (students etc)

Webinar topic: ICED2023\_Friday 20/10/2023\_ROOM A

Date and time: Friday, October 20, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m940c1df60ef007748e8ccd9c01a79587>

Webinar number: 2785 354 0298

Webinar password: vmCdGE4mZ35 (86234346 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 278 535 40298

### Friday 20/20/2023 ROOM B

#### Panelists (presenters of papers and posters)

Webinar topic: ICED2023\_Friday 20/20/2023\_ROOM B

Date and time: Friday, October 20, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m171e8111a0ecb446a6564d1a45cc9775>

Webinar number: 2730 797 1081

Panelist password: tUpNNfvJ566 (88766385 from phones and video systems)

Join by video system

Dial 27307971081@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

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Access code: 273 079 71081

#### Attendees (students etc)

Webinar topic: ICED2023\_Friday 20/20/2023\_ROOM B

Date and time: Friday, October 20, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m171e8111a0ecb446a6564d1a45cc9775>

Webinar number: 2730 797 1081

Webinar password: 9qhXm2QmWn3 (97496276 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 273 079 71081

**Saturday 21/20/2023 ROOM A****Panelists (presenters of papers and posters)**

Webinar topic: ICED2023\_Saturday 21/10/2023\_ROOM A

Date and time: Saturday, October 21, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m5c499832da143a1bbe32239b34e8d9e0>

Webinar number: 2790 968 9755

Panelist password: 562jB7xHkUA (56252794 from phones and video systems)

Join by video system

Dial 27909689755@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 279 096 89755

**Attendees (students etc)**

Webinar topic: ICED2023\_Saturday 21/10/2023\_ROOM A

Date and time: Saturday, October 21, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m5c499832da143a1bbe32239b34e8d9e0>

Webinar number: 2790 968 9755

Webinar password: g8zDEjUf6K7 (48933583 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 279 096 89755

**Saturday 21/20/2023 ROOM B****Panelists (presenters of papers and posters)**

Webinar topic: ICED2023\_Saturday 21/10/2023\_ROOM B

Date and time: Saturday, October 21, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=ma488bd698b7c2d20b04f6ba395c33744>

Webinar number: 2780 974 3646

Panelist password: 3dBjQ439aM3 (33257439 from phones and video systems)

Join by video system

Dial 27809743646@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 278 097 43646

**Attendees (students etc)**

Webinar topic: ICED2023\_Saturday 21/10/2023\_ROOM B

Date and time: Saturday, October 21, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=ma488bd698b7c2d20b04f6ba395c33744>

Webinar number: 2780 974 3646

Webinar password: SZgxGwYm365 (79494996 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 278 097 43646

**Sunday 22/20/2023 ROOM A****Panelists (presenters of papers and posters)**

Webinar topic: ICED2023\_Sunday 22/10/2023\_ROOM A

Date and time: Sunday, October 22, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m4086417261ebf5a1cb6747f561b45854>

Webinar number: 2780 020 5034

Panelist password: tMmMYHST294 (86669478 from phones and video systems)

Join by video system

Dial 27800205034@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

+30-21-1198-1029 Greece Toll 2

Access code: 278 002 05034

**Attendees (students etc)**

Webinar topic: ICED2023\_Sunday 22/10/2023\_ROOM A

Date and time: Sunday, October 22, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=m4086417261ebf5a1cb6747f561b45854>

Webinar number: 2780 020 5034

Webinar password: 3K8npAPnRY2 (35867276 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 278 002 05034

**Sunday 22/20/2023 ROOM B****Panelists (presenters of papers and posters)**

Webinar topic: ICED2023\_Sunday 22/10/2023\_ROOM B

Date and time: Sunday, October 22, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=mf73b1894f408c2458a2378286051be41>

Webinar number: 2734 989 0663

Panelist password: 3FrAQZwFw98 (33727993 from phones and video systems)

Join by video system

Dial 27349890663@hou.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

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Access code: 273 498 90663

**Attendees (students etc)**

Webinar topic: ICED2023\_Sunday 22/10/2023\_ROOM B

Date and time: Sunday, October 22, 2023 7:30 AM | (UTC+03:00) Athens, Bucharest

Join link: <https://hou.webex.com/hou/j.php?MTID=mf73b1894f408c2458a2378286051be41>

Webinar number: 2734 989 0663

Webinar password: usMCewBQ924 (87623927 from phones and video systems)

Join by phone

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+30-21-1198-1029 Greece Toll 2

Access code: 273 498 90663



# PROGRAM - General Overview

Day	Start	End	Room	Session	Number of papers	Chairs		Room	Session	Number of papers	Chairs
Friday	08:45	09:00		Arrival, Connection							
Friday	09:00	09:15	A	Welcome Introduction							
Friday	09:15	10:45	A	<i>Environmental education-Awareness I</i>	6			B	<i>General Sustainability</i>	6	
Friday	10:45	11:00		Break					Break		
Friday	11:00	12:15	A	<i>Transportation I</i>	5			B	<i>Materials I</i>	5	
Friday	12:15	13:00	A	<b>Plenary_1</b>							
Friday	13:00	14:00		Break					Break		
Friday	14:00	15:30	A	<i>Buildings I</i>	6			B	<i>Materials II</i>	6	
Friday	15:30	15:45		Break					Break		
Friday	15:45	17:30	A	<i>Buildings II</i>	6			B	<i>Natural Environment</i>	7	

Saturday	08:45	09:00		Arrival, Connection							
Saturday	09:00	10:30	A	<i>Materials III</i>	6			B	<i>Enterprises-Environmental Economics-Circular Economy</i>	6	
Saturday	10:30	10:45		Break					Break		
Saturday	10:45	12:15	A	<i>Ecosystems</i>	6			B	<i>Energy</i>	6	
Saturday	12:15	13:00		<b>Plenary_2</b>							
Saturday	13:00	14:00	A	Break					Break		
Saturday	14:00	15:30	A	<i>Pollution I</i>				B	<i>Environmental education-Awareness II</i>	8	
Saturday	15:30	15:45		Break	6						
Saturday	15:45	17:30	A	<i>Pollution II</i>	7						

Sunday	09:45	10:00		Arrival, Connection							
Sunday	10:00	11:30	A	<i>Buildings III</i>	6			B	<i>Transportation II</i>	6	
Sunday	11:30	11:45		Break					Break		

Sunday	11:45	13:00	A	Urban and Open Areas I	6			B	Climate Change-Disasters I	6	
Sunday	13:00	13:45		Break					Break		
Sunday	13:45	15:45	A	Urban and Open Areas II	7			B	Climate Change-Disasters II	8	
Sunday	15:45	16:00		Break					Break		
Sunday	16:00	17:30	A	Posters session							
Sunday	19:00	23:00		Gala Dinner							

The hours indicated here correspond to Athens, Greece, time zone

# PROGRAM – Welcome

**Friday 20/10/2023: Efthimios Zervas.** Professor of Environmental Impacts Technology, Hellenic Open University, Director of the MSc Program “Environmental Design”, Chair of the Conference

# PROGRAM – Chairs

Session	Chair A	Chair B
<i>Buildings I</i>	Vatavali	Benharkat
<i>Buildings II</i>	Tseliou	Madias
<i>Buildings III</i>	Nastou	Lee
<i>Climate Change-Disasters I</i>	Tseliou	Trajanov
<i>Climate Change-Disasters II</i>	Dajic	Gizani
<i>Ecosystems</i>	Matsouki	Tseliou
<i>Energy</i>	Kopsidas	Matsouki
<i>Enterprises-Environmental Economics-Circular Economy</i>	Mandalas	Kaika
<i>Environmental education-Awareness I</i>	Mandalas	Gareiou
<i>Environmental education-Awareness II</i>	Christodoulou	Mihăescu
<i>General Sustainability</i>	Tseliou	Amaglobeli
<i>Materials I</i>	Saba	Tsipa
<i>Materials II</i>	Matsouki	Saba
<i>Materials III</i>	Saba	Tsipa
<i>Natural Environment</i>	Maleknia	Mandilaras
<i>Pollution I</i>	Svetozarević	Hadjisolomou
<i>Pollution II</i>	Matsouki	Tsipa
<i>Transportation I</i>	Martins	Tselekounis
<i>Transportation II</i>	Yfantis	Anagnostopoulos
<i>Urban and Open Areas I</i>	Louafi Bellara	Geropanta
<i>Urban and Open Areas II</i>	Benharkat	Totsikas

## PROGRAM – Plenary Lectures

### Plenary Lecture 1: From “green roofs” to “living roofs”, they are here to stay forever



#### **Gabriel Pérez, University of Lleida, Spain**

**Dr. Gabriel Pérez** is Associate Professor and Director of the Department of Industrial and Building Engineering at the University of Lleida. He belongs to the Innovative Technologies for Sustainability research group (IT4S). His academic qualifications are PhD from Polytechnic University of Catalonia (2010), in the PhD program “Research in energy and environment for Architecture” and, Agronomist Engineer from University of Lleida (1995).

His main areas of research refer to the use of green infrastructure in the urban environment as a tool to provide ecosystem services both at building and urban scales.

Specifically, he has studied the use of green roofs and vertical greening systems to improve the thermal and acoustic insulation of buildings, as well as the reduction of the urban heat island (UHI) effect and the urban noise in cities. Other developed research topics are related to sustainable construction and the environmental impact of the building sector. Among others, he has conducted research on the use of recycled and sustainable materials instead of the high-impacting ones, and also on the Life Cycle Assessment (LCA) to evaluate the environmental impact of the designed construction solutions.

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### Plenary Lecture 2: Health and Climate Change



#### **Eleni Geladari, Evangelismos Hospital, Athens, Greece**

**Dr. Eleni Geladari** is a graduate of the Medical School of the University of Patras. In 2010, she moved to the USA where she completed her postdoctoral cardiovascular fellowship at Beth Israel Deaconess Medical Center, Harvard University, in Boston Massachusetts under the mentorship of Maria Irene Kontaridis. In 2013 she also became a clinical and translational research fellow at the Laboratory of Professor Christos Mantzoros in Beth Israel Deaconess Medical Center, in Harvard Medical School, in Boston, Massachusetts.

Dr Geladari completed her Internal Medicine residency at the First Department of Internal Medicine of Evangelismos General Hospital in Athens, Greece. During her residency, she spent six months in the USA as a Clinical Research Fellow at the Hypertension and Vascular Medicine Clinic, in the Department of Medicine, Veterans Administration Medical Center, a program affiliated with the Georgetown University Hospital under the guidance of Professor Vasilios Papademetriou. She is a Master of Science Candidate in Gastroenterology at the South Wales University, in UK since 2019.

In 2019, she became attending physician at the 2<sup>nd</sup> Department of Internal Medicine, Medical School, at the National and Kapodistrian University of Athens, at “Hippokration” Hospital, in Athens, Greece. In parallel, she worked as a Research Fellow at the Outpatient Center for the Liver Diseases under the mentorship of Professor Spyridon Ntourakis. In the beginning of 2020, she became a co-Founder of the Hellenic Society of Environmental and Climate Medicine. On December of 2020<sup>th</sup>, she started her PhD thesis on mechanisms of sarcopenia and myosteatorsis in patients with liver cirrhosis, with Dr. Alexandra Alexopoulou as supervisor Professor.

On February 2022, she was appointed as Hospitalist at 3<sup>rd</sup> Internal Medicine Department at Evangelismos General Hospital, Athens, Greece.

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## PROGRAM – Oral presentations

No	Session	Title	Authors	INSITU/ ONLINE
1	Buildings I	Housing, energy performance and social challenges in Greece. A quantitative approach.	Evangelia Chatzikonstantinou, Nikolas Katsoulakos and Fereniki Vatavali	ON-LINE
2	Buildings I	Thermal performance of different masonry wall composition. Case study: Polis University, Tirana, Albania.	Klodjan Xhexhi, Besnik Aliaj	ON-LINE
3	Buildings I	A systematic framework for evolutionary multi-objective optimization to complex building design problems at the early design stage	Sara Sahnoune and Nassira Benhassine	IN-SITU
4	Buildings I	Post Occupancy Evaluation of the Luminous Environment in Algerian University Classrooms	Sarah Benharkat, Karima Benhalilou and Radia Bouarroudj	IN-SITU
5	Buildings I	Feasibility study of the UXindoor framework in two public office buildings: A standardized approach to scoring indoor user experience with qualitative and quantitative techniques.	Eleni Andreou, Aristotelis Vartholomaios, Angeliki Antoniou and Kleoniki Axarli	IN-SITU
6	Buildings I	CFD Investigation of Enhancing Natural Ventilation in Attached Family House Buildings in Hungary	Modar Ali and István Kistelegdi	IN-SITU
7	Buildings II	Skyscrapers and the city: How tall buildings interact with their users and urban environment	Tanya Saroglou, Theodoros Theodosiou, Hofit Itzhak-Ben-Shalom, Asaf Yupiter Vanunu, Victor Multanen, Shabtai Isaac, Arnon Karnieli, Nadav Davidovitch, David Katoshevski and Isaac A. Meir	IN-SITU
8	Buildings II	The potential impacts of using bio-based building materials on human health and wellbeing.	Salima Zerari, Rossella Franchino and Nicola Pisacane	IN-SITU
9	Buildings II	Evaluating the effects of green roofs and green façade as an urban heat island adaptation strategy	Areti Tseliou, Emmanouil Melas, Athina Mela, Ioannis Tsiros	IN-SITU

10	Buildings II	The energy efficiency diagnosis of residential buildings in Algeria	Nawal Benmicia	IN-SITU
11	Buildings II	Evaluations of energy upgrading interventions in social housing neighbourhoods in Greece: an approach that takes into account residents' views	Antonia Kipourou, Sofia Giannarou and Efthimios Zervas	IN-SITU
12	Buildings II	Methodology for the optimization of artificial lighting considering both visual and non-visual effects	Evangelos-Nikolaos Madias, Athanasios Kotsenos, Aris Tsangrassoulis and Lambros Doulos	IN-SITU
13	Buildings III	Sustainability, through passive solar building envelope design, based on the principles of bioinspiration.	Christina Dikou	ON-LINE
14	Buildings III	Crafting Circularity. A European Education Project Exploring Sustainable Construction Practices with Future Architects	Maria Vrontissi, Mario Rinke and Frederik Vandyck	IN-SITU
15	Buildings III	Heritage management and sustainability of heritage sites. The case of ancient Greek theatre of Dodoni, Epirus, Greece	Marina-Panagiota Nastou and Stelios Zerefos	IN-SITU
16	Buildings III	Surrogate Modeling Strategy for Urban Building Energy Simulation in Early-Stage Urban Design: A Case Study of Energy-Efficient Neighborhood Design in Seoul	Doyun Lee, Steven Jige Quan	IN-SITU
17	Buildings III	Energy Hub Optimization on Residential Building Case	Vasileios Kilis, Nikolaos Paschalidis, Nikolaos Ploskas, Giorgos Panaras	ON-LINE
18	Buildings III	Evaluation in green building design for conversion projects: case studies and comparative approaches	Ágnes Borsos, Fabrizio Finucci, János Gyergyák and Antonella G. Masanotti	ON-LINE
19	Climate Change - Disasters I	Cuckoo search algorithm for the evacuation strategy of people in flash floods using a spatiotemporal conditions weight	Evangelos D. Spyrou, Afroditi Anagnostopoulou and Vassilios Kappatos	ON-LINE
20	Climate Change - Disasters I	Mapping burn severity and uncovering spread patterns of the 2021 Varibopi wildfire	Palaiologou Palaiologos, Pantera Anastasia, Zianis Dimitrios, Papadopoulos Andreas and Zografakis Stavros	IN-SITU



21	Climate Change - Disasters I	Assessment of Run-Up Height and Arrival Time of 365 AD Tsunami at Lampedusa Island, Italy	FX Anjar Tri Laksono, Manoranjan Mishra and Kovács János	IN-SITU
22	Climate Change - Disasters I	Comparing the performance of ChatGPT and state-of-the-art climate NLP models on climate-related text classification tasks	Dimitar Trajanov, Gorgi Lazarev, Ljubomir Chitkushev, Irena Vodenska	IN-SITU
23	Climate Change - Disasters I	Eearth observation as a tool to assess climate migration and policy-making: legal aspects	Anthi Koskina, Manolis Plionis, Ioannis Papoutsis and Gustau Camps-Valls	IN-SITU
24	Climate Change - Disasters I	Mediating Climate Change Rhetoric To Increase Lexical Knowledge Of Students At University Level	Adriana Dervishaj and Xhiljola Abdihoxha	ON-LINE
25	Climate Change - Disasters II	Greenhouse gas emissions in Greek agriculture: trends and projections	Ioannis Sebos and Leonidas Kallinikos	ON-LINE
26	Climate Change - Disasters II	Impacts of climate change in the meteorological conditions during the period 2022 in Albania	A.Gjoni, E.Kucaj, G.Cela, A.Bardhi, M.Osmani	ON-LINE
27	Climate Change - Disasters II	Manmade Disasters on our Home Planet: On a Potential Relationship between Climate Change and Seismic Activity of Earth	Catalin Silviu Nutu	ON-LINE
28	Climate Change - Disasters II	The effect of climate change on the potential for landfill gas generation at the Vinča landfill site	Ana Dajić, Marina Mihajlović and Milica Svetozarević Arsović	IN-SITU
29	Climate Change - Disasters II	Use of TEVY index to measure the temperature variability within a year in different climatic zones of Nepal	Bibhuti Ojha, Ramesh Khanal, Theodore Kalyvas, Nikolaos Rapsomanikis, Nectaria Gizani and Efthimios Zervas	ON-LINE
30	Climate Change - Disasters II	The mineralization of urban soils facing the risk of climate change: case of the flooding phenomenon in the city of Annaba.	H. Imekraz, S. Abdou	ON-LINE

31	Climate Change - Disasters II	Probing Climate Change in Greece with a 2m dish radio telescope	Nectaria A.B. Gizani, Andreas Tilkeridis, Giorgos P. Veldes , Kostas D. Bakopoulos, Zoe Gareiou and Efthimios Zervas	In-SITU
32	Climate Change - Disasters II	Regional analysis of climate variability in Greece based on six temperature variability indicators – A cluster analysis	Nikolaos Rapsomanikis, Nectaria Gizani and Efthimios Zervas	ON-LINE
33	Ecosystems	Identification of microbial infections in Greek geothermal greenhouses tomato cultivation	Konstantinos Kakavas, Ioannis Vagelas, Alexandros Papachatzis, Vasiliki Tsiountsioura and Andriani Flora	ON-LINE
34	Ecosystems	Modeling pre-industrial urban ecosystems, to aim sustainability	Xanthippi Dereka, Alkistis Rodi, Alexandre Hedjazi and Leonidas Papalamropoulos	ON-LINE
35	Ecosystems	Absorption of Europium chloride from zebrafish (Danio rerio) embryos under experimental conditions	D.Ch. Lazaris, I.E. Sismanidis, V.K. Drosos, E. Farmakis, E.K. Paleologos	ON-LINE
36	Ecosystems	Comparison of Fungi with Sclerotia as Sustainable Materials for Product Design	Cansu Karaca and Gürsel Karaca	ON-LINE
37	Ecosystems	Humic compounds in marine ecosystems - Ecological importance in transitional Mediterranean zones	Stephanos D.V. Giakoumatos	ON-LINE
38	Ecosystems	Tree bark prediction along the bole through the support vector regression technique	Maria Diamantopoulou	ON-LINE
39	Energy	Enhancement of indigenous microalgae culture using cheese whey as growth media for bioenergy and coproducts production	Mohammed Amouri, Sara Belkhodja, Soraya Masrour, Fayrouz Kaidi, Majda Aziza	IN-SITU
40	Energy	Methodological Notes for Cost and Benefit Analysis of Drilling in Eastern Mediterranean	Odysseas Kopsidas, Dimitra Giannopoulou, Grigoris Zarotiadis	IN-SITU
41	Energy	Biodiesel production from edible and non-edible biomasses and its characterization	Elissavet Emmanouilidou, Anastasia Lazaridou, Sophia Mitkidou and Nikolaos C. Kokkinos	ON-LINE

42	Energy	Principles of circular economy applied to energy plants in culture. The correlation of soil quality with the valuation potential of willow by-products.	Gabriela Vlăsceanu, Floarea Nicolae, Nicole Petculescu and Marian Nicolae	ON-LINE
43	Energy	Economic and Sustainable Development in Eastern Crete Through the Lithines Irrigation Dam	G. Tsikalakis, N. Makrinakis, P. Bourbourakis and E. Neofotistou	ON-LINE
44	Energy	Colour Preferences and Energy Consumption in Retail Lighting Applications	Anastasios Dimitrakis, Evangelos-Nikolaos Madias and Athanasios Kotsenos	ON-LINE
45	Entreprises - Environmental Economics - Circular Economy	Decomposition of the Kaya identity in the European Mediterranean countries over the 1990-2020 period with respect to CO2 emissions	Dimitra Kaika	ON-LINE
46	Entreprises - Environmental Economics - Circular Economy	Evaluation of maritime industry compliance with existing environmental regulations – A benchmarking assessment from energy efficiency perspective	Attila Akac, Afroditi Anagnostopoulou and Vassilis Kappatos	ON-LINE
47	Entreprises - Environmental Economics - Circular Economy	Impacts of the shipbuilding industry on the ecosystem services and the challenges for a sustainable blue economy: Case study of a coastal ecosystem in the Eastern Mediterranean	Anthi Pournara and Fani Sakellariadou	IN-SITU
48	Entreprises - Environmental Economics - Circular Economy	How does the circular economy contribute to the pursuit of Agenda 2030? A systematic literature review	Maria Giovina Pasca, Giulia Padovani, Gabriella Arcese and Roberta Guglielmetti Mugion	ON-LINE
49	Entreprises - Environmental Economics - Circular Economy	New trends on Environmental Kuznets Curve research – A bibliometric analysis	Ioannis Mandalas, Nectaria Gizani and Efthimios Zervas	ON-LINE

50	Enterprises - Environmental Economics - Circular Economy	Understanding the decision of companies to invest in renewables: An investor perspective	Evangelia Karasmanaki and Georgios Tsantopoulos	ON-LINE
51	Environmental Education - Awareness I	Factors affecting citizens' decision to invest in renewable energy	Evangelia Karasmanaki and Georgios Tsantopoulos	ON-LINE
52	Environmental Education - Awareness I	Video features predicting engagement in climate change education	Vasiliki Christodoulou, Vaggelis Saprikis, Louiza Kythreotou, Monogios Christodoulos, Ece Calikus and Jared Joselowitz	IN-SITU
53	Environmental Education - Awareness I	Consumption Versus Sustainable Lifestyles of University Students	Maha Abou-Hatab, Duaa Abd El Karim	ON-LINE
54	Environmental Education - Awareness I	Encounters between forest hydrology, meteorology and philosophy of environmental education in the era of the Anthropocene	Nikolaos Proutsos, Dimitris Tigkas, Magdalini Tsevreni, Irida Tsevreni	ON-LINE
55	Environmental Education - Awareness I	Application of a self-propelled autonomous aquatic robot for environmental education	Uldis Zaimis	IN-SITU
56	Environmental Education - Awareness I	Mapping the Landscape of Circular Design Thinking and Practices in Architecture Education in Greece	Maria Vrontissi, Sotiria Alexiadou and Nikoletta Poulimeni	IN-SITU
57	Environmental Education - Awareness II	Assessing pupils' understanding about greenhouse effect in context of problem- based approach in environmental education: a case study from Greece	Dimitrios Lathouris	IN-SITU
58	Environmental Education - Awareness II	The expression of ecological awareness in the consumption behavior of older adolescents	Samanta Straupaite	ON-LINE

59	Environmental Education - Awareness II	Values and perceptions of business representatives and the public about the implementation of the principles of sustainable development by business: results of a sociological research	Maya Rusakova and Sergey Tkach	ON-LINE
60	Environmental Education - Awareness II	Digital Art, Sustainability and Design Thinking: Study of a Case in Higher Education	Sara Cruz, Célia Vieira and José Bidarra	ON-LINE
61	Environmental Education - Awareness II	Inclusive mental well-being through environmental design	Erminia Attaianese, Morena Barilà	IN-SITU
62	Environmental Education - Awareness II	Sustainable development as an education tool for primary school students through SCRATCH code	G. Tsikalakis, E. Neofotistou, E. Kontogiannakis, P. Alonso-Monasterio, M. Caglayan Ercakir, R. Fernandez-Canez and M. Martinez Perez-Accino	ON-LINE
63	Environmental Education - Awareness II	Cheia T – Technique, Technology, Transfer. 10 Key-Components for Sustainable Architectural Design	Oana Mihăescu, Andreea Prelipcean, Radu Pană and Alexandru Iatan	IN-SITU
64	Environmental Education - Awareness II	Cognitive processes of the environmental perception: a methodological approach to the semantic aesthetics of open-air archaeological contexts	Anna Micheli and Alexandra-Aikaterini Andrianou	ON-LINE
65	General Sustainability	Focus on connectedness: social, technological and environmental issues	Raffaella De Martino, Caterina Frettoloso, Francesca Muzzillo	ON-LINE
66	General Sustainability	Review of specific environmental indicators	Zoe Gareiou, Nectaria Gizani, Iro Laskari, Irene Mavromati and Efthimios Zervas	ON-LINE
67	General Sustainability	Review of composite environmental indicators	Zoe Gareiou, Nectaria Gizani, Iro Laskari, Irene Mavromati and Efthimios Zervas	ON-LINE
68	General Sustainability	Capitalist Discourse framing of environmental issues	Givi Amaglobeli	IN-SITU

69	General Sustainability	Review of personal environmental indicators	Zoe Gareiou, Nectaria Gizani, Iro Laskari, Irene Mavromati and Efthimios Zervas	IN-SITU
70	General Sustainability	A review of sustainability concerns in the use of blockchain technology: Evidence from the agri-food and the pharmaceutical sectors	M. Kontopanou, G. T. Tsoulfas, T. K. Dasaklis, N. P. Rachaniotis	ON-LINE
71	Materials I	Morphological characteristics of magnetic particles and their environmental impact: the case of Sarigiol basin (Greece)	Chrysoula Chrysakopoulou, Dimitrios Vogiatzis, Alexandros Drakoulis, Lambrini Papadopoulou and Nikolaos Kantiranis	IN-SITU
72	Materials I	Overview of meshfree modeling of the flowability of fresh self-compacting concrete for sustainable structures	Kennedy C. Onyelow, Denise-Penelope N. Kontoni, Michael E. Onyia, Atefeh Soleymani, Ahmed M. Ebid and Hashem Jahangir	ON-LINE
73	Materials I	Compressive strength optimization and life cycle assessment of geopolymer concrete using machine learning techniques	Kennedy C. Onyelow, Denise-Penelope N. Kontoni, Samuel Oyewole, Tochukwu Apugo-Nwosu, Sepideh Nasrollahpour, Atefeh Soleymani, Sita Rama Murty Pilla, Hashem Jahangir, and Farshad Dabbaghi	ON-LINE
74	Materials I	Three-Dimensional Printing of Structural Members with Shotcrete Technique: Design, Construction, and Future Directions	Mehdi Ebadi-Jamkhaneh, Denise-Penelope N. Kontoni and Amir Homaioon Ebrahimi	ON-LINE
75	Materials I	Elaboration of a sustainable bottom ash geopolymer material	Joseph Abdayem, Marianne Saba and Georges Aouad	IN-SITU
76	Materials II	Uncovering the circular economy potential of industrial waste in Sri Lanka (case study from textile industrial- fabric waste)	Lakmini Malika Edirisinghe, Ajith Alwis and Mayuri Wijayasundara	ON-LINE
77	Materials II	Prediction of the cementing potential of activated pond ash reinforced with glass powder for soft soil strengthening, by an artificial neural network model	Kennedy C. Onyelow, Denise-Penelope N. Kontoni, Ahmed M. Ebid and Samuel Oyewole	ON-LINE

78	Materials II	Predicting the rheological flow of fresh self-consolidating concrete mixed with limestone powder for slump, V-funnel, L-box and Orimet models using artificial intelligence techniques	Kennedy C. Onyelowe, Denise-Penelope N. Kontoni, Ahmed M. Ebid and Michael E. Onyia	ON-LINE
79	Materials II	Empowering Sustainability: Harnessing Textile Triboelectric Nanogenerators for Green Energy Harvesting	Viraj U. Somkuwar, Bipin Kumar	IN-SITU
80	Materials II	Enhancing Packaging Sustainability with Natural Fiber Reinforced Biocomposites: An outlook into the future	Vishal Srivastava, Sumer Singh and Dipayan Das	IN-SITU
81	Materials II	Geopolymer as an Innovative Material for Green Roofs- A State-of-the-Art Review	Marianne Saba, Gabriel Perez, Julià Coma, Mireia Polls	ON-LINE
82	Materials III	Use of aluminum powder for the development of a sustainable paste used in the restoration of historical monuments	Marianne Saba, Wahib Arai, Ghina Sabalbal, Makram El Bachawati and Joseph Absi	IN-SITU
83	Materials III	Alternative stabilisation method for unfired earth blocks	Wahib Arai, Nour El Houda Daher, Makram El Bachawati, Joseph Absi and Marianne Saba	ON-LINE
84	Materials III	Sustainability and durability of cracked concrete with geopolymer binder	Carina Frangieh, Marianne Saba, Dorra Karmaoui and Zoubeir Lafhaj	IN-SITU
85	Materials III	Sustainable approach in the restoration of historical monuments using geopolymer material	J. Absi, S. Al Adgham, G. Sabalbal, W. Arai, M. Saba	IN-SITU
86	Materials III	Pinus brutia extractives analysis for sustainability	Dimitris Birbilis, Kostantinos V Kakavas and M Chavenetidou	ON-LINE
87	Materials III	Natural materials (biomaterials) and biomimicry principles, as tools for envisioning the sustainable cities of the future.	Christine Dikou	ON-LINE
88	Natural Environment	Land cover changes in Euboea island using Sentinel-2 datasets	Mariana Mandilara and Stavros Kolios	IN-SITU
89	Natural Environment	Impact of land use types on soil moisture dynamics of loamy soils	Parisa Maleknia, Nelson Ugwonoh and Szabolcs Czigány	IN-SITU

90	Natural Environment	Financing for the protection and development of forests and the forest environment in Greece	Eleni Giakoumi and Garyphallos Arabatzis	ON-LINE
91	Natural Environment	Aenos International Dark-Sky Park: The first officially designated area protected from light pollution in Greece	Andreas Papalambrou, Michalis Xanthakis, Lambros T. Doulos	ON-LINE
92	Natural Environment	Hierarchy of hiking trails using the analytic hierarchy process (ahp) to highlight the natural environment	Christodoulos Daoutis, Apostolos Kantartzis, Stavros Tsiantikoudis, Athanasios P. Vavatsikos, Garyfallos Arabatzis	ON-LINE
93	Natural Environment	Intelligent land use in the perspective of innovative landscape	Răzvan Săvan, Cerasella Crăciun	ON-LINE
94	Natural Environment	The effect of the forest road network on grassland ecosystems with the contribution of the SWOT-AHP method	Christodoulos Daoutis, Aimilia Lempesi	ON-LINE
95	Natural Environment	Anaerobic fermented algae furcellaria lumbricalis tablets as a dual-purpose fertilizer and substrate for sustainable seedling growth	Sintija Ozolina	IN SITU
96	Pollution (Air-Water-Soil) I	Modeled surface salinity and satellite data as proxy for Secchi depth and watercolor of the Gulf of Riga	Daiga Cepīte-Frišfelde, Andrejs Timuhins, Vilnis Frišfelds	IN-SITU
97	Pollution (Air-Water-Soil) I	Predicting Coastal Dissolved Inorganic Nitrogen Levels by Applying Data-Driven Modelling: The Case Study of Cyprus (Eastern Mediterranean Sea)	Ekaterini Hadjisolomou, Konstantinos Antoniadis, Maria Rousou, Lavrentios Vasiliades, Rana Abu-Alhaija, Herodotos Herodotou, Michalis Michaelides and Ioannis Kyriakides	IN-SITU
98	Pollution (Air-Water-Soil) I	Microfluidic technology for macro systems: removal of textile dyes from wastewater in a microreactor	Milica Svetozarević Arsović, Nataša Šekuljica, Ana Dajić, Marina Mihajlović, Maja Marković, Zorica Knežević-Jugović and Dušan Mijin	IN-SITU
99	Pollution (Air-Water-Soil) I	An experimental study of in-situ remediation of NAPL-polluted soils by ozonation	Konstantinos Christodoulis, Maria Theodoropoulou and Christos Tsakiroglou	ON-LINE



100	Pollution (Air-Water-Soil) I	Fault detection of air quality measurements using artificial intelligence	Vasilis Evagelopoulos, Nikolaos D. Charisiou and Paraskevi Begou	ON-LINE
101	Pollution (Air-Water-Soil) I	Impact of human activity on the water quality of lake Mullinjëza, Belsh, Albania.	Enkelejda Kucaj, Anira Gjoni, Marilda Osmani, Gazmir Çela, Azem Bardhi, Zhaklina Baxhija, Besim Kucaj	ON-LINE
102	Pollution (Air-Water-Soil) II	Assessment of air quality and consequent in Erbil, Iraqi Kurdistan region based GEE, GIS, and remote sensing techniques	Zana Fattah Ali, Dedar Salam, Gábor Pirisi, Kinga Kiss	In-SITU
103	Pollution (Air-Water-Soil) II	The role of dust aerosols in forming the regional climate of Georgia	Teimurazi Davitashvili, Nato Kutaladze and Inga Samkharadze	ON-LINE
104	Pollution (Air-Water-Soil) II	The Effect of Urban Green Spaces on Air Pollution Reduction: A Case of Ahmedabad	Shweta Suhane, Rujvi Polara, Avni Gajjar, Ritu Agrawal and Utpal Sharma	ON-LINE
105	Pollution (Air-Water-Soil) II	Air pollution in Türkiye depending on environmental pressure categories	Tayfun Büke, Aylin Çiğdem Köne	ON-LINE
106	Pollution (Air-Water-Soil) II	Analysis of the influence of Nature-Based Solutions (NBS) on air quality in industrial areas – case study in Bragança (Portugal)	Renata Martins, Manuel Feliciano, Daniel Brianezi, Artur Gonçalves	IN-SITU
107	Pollution (Air-Water-Soil) II	Aspen Plus designing and optimizing the hospital wastewater treatment by wet air oxidation method	Edward Tager, Salah-Eddine Naoushi, Wahib Arairo, Marianne Saba and Makram El Bachawati	IN-SITU
108	Pollution (Air-Water-Soil) II	Specific types of wastewater pollution in Ostrava and possibilities of decontamination through wastewater treatment plants	Jana Suchankova, Petra Roupčova, Kamila Suranova, Karel Klouda, Sarka Krocova, Jan Slany and Sandra Tesarova	IN-SITU
109	Transportation I	Evaluation of the level of service of the public transport operator of Thessaloniki before and after its nationalization	Nikolaos Kalteziotis, Ioannis Kalfopoulos, Evangelos Genitsaris, Aristotelis Naniopoulos and Dimitrios Nalmpantis	ON-LINE
110	Transportation I	Sustainable Urban Mobility (SUM), a bibliometric analysis with examples from Budapest and Vienna	Ola Martins and Gábor Szalkai	IN-SITU

111	Transportation I	Sustainable Mobility and the Environment: How our transportation choices shape our future	Maria-Alexandra Ivănescu	ON-LINE
112	Transportation I	The impact of electric vehicles on the energy system of Albania for a sustainable transport	Pellumb Cacaj	ON-LINE
113	Transportation I	Road safety and sustainability performance: A cross-country analysis	Sotirios Karkalakos and Markos Tselekounis	IN-SITU
114	Transportation II	Airports and environmental sustainability: a review	Nikolaos Papagrighoriou, Georgios Palantzas and Dimitrios Nalmpantis	ON-LINE
115	Transportation II	Urban sustainable mobility indicators application in small cities: the case of Polykastro, Greece	Elisavet Patrikiou, Georgios Palantzas and Dimitrios Nalmpantis	ON-LINE
116	Transportation II	Train vs. airplane: investigating the potential modal share shift and the environmental impact for a reduced train travel time from Thessaloniki to Athens	Michail Markakis, Dimitra Giannaka, Evangelos Genitsaris and Dimitrios Nalmpantis	ON-LINE
117	Transportation II	Shipping decarbonization: E-fuels as a potential solution and the role of resources	Elias Yfantis, Kleanthis Kleanthous, Angelos Ktoris, George Mallouppas, Sofia Damianou, Constantina Ioannou, Dimitris Shiali and Ioannis Nikolaou	IN-SITU
118	Transportation II	Road network, CO2 emissions, linked to sustainable development: A European analysis	Maria Nikoletta Asimakopoulou and Fotini Kehagia	ON-LINE
119	Transportation II	A scientometric analysis of cycling and the case study of the city of Ioannina	Apostolos Anagnostopoulos, Andreas Tsompikos and Fotini Kehagia	IN-SITU
120	Urban and Open Areas I	Assessment of green design strategies to achieve thermal comfort in outdoor spaces: A study in hot and dry climate	Samira Louafi Bellara, Saliha Abdou	IN-SITU
121	Urban and Open Areas I	Design for urban biodiversity: flourishing the vertical plane	Vasiliki Geropanta, Triantafyllos Ampatzoglou, Panagiotis Parthenios and Anna Karagianni	IN-SITU
122	Urban and Open Areas I	Assessing walkability: index construction and application to a medium-size Greek city	Vasiliki Beltsiou, Georgia Gemenetzi and Panayiotis Manetos	IN-SITU
123	Urban and Open Areas I	Exploring the potential of alley gardens in Seoul based on a study of Daegu	DaYoon Choi, JungBin Kim	IN-SITU

124	Urban and Open Areas I	Environmental design for SHAFE approach	Erminia Attaianese, Mariangela Perillo	IN-SITU
125	Urban and Open Areas I	Measurement of management and development deficit on sustainability in neighbourhood unit. Case of the new city Ali Mendejeli Constantine	Radia Bouarroudj, Sara Sahnoune, Sara Benharkat, Samira Louafi, Messaoud Aiche	IN-SITU
126	Urban and Open Areas II	Identifying urban form typology of residential areas in major cities in South Korea using clustering	Yeonjoon Moon, and Steven Jige Quan	IN-SITU
127	Urban and Open Areas II	Experienced affordances of urban green spaces in comparison with planning standards: The case study of Xirokrini – Ampelokipi – Menemeni area in western Thessaloniki	Ioannis Totsikas and Garyfallia Katsavounidou	IN-SITU
128	Urban and Open Areas II	Measuring urban identity. Comparative analysis of previous studies	Georgianna Apostolou and Anastasia Tasopoulou	ON-LINE
129	Urban and Open Areas II	The impact of war generations on spatial environment and military resistance challenges in urban planning	Anna Vardanyan	IN-SITU
130	Urban and Open Areas II	Contribution of Tactical Urbanism at Street Edge and Building Edge in Indian Cities	Prachi Patel, Swati Kothary and Utsavi Shah	ON-LINE
131	Urban and Open Areas II	Metropolitan pole of Hellinikon – Agios Kosmas: Hierarchization of interventions with the use of the Maximum Difference (MaxDiff) Scaling method	Artemis Kalapouti, Georgios Palantzas and Dimitrios Nalmpantis	ON-LINE
132	Urban and Open Areas II	The importance of Environmental Graphic Design in urban spaces	Roula Ganoti and Iro Laskari	ON-LINE

# PROGRAM - Posters

Chair: E. Zervas

No	SESSION	Title	Authors
1	Buildings - Urban and Open Areas	Building energy upgrade using modern masonry techniques and materials	M. Spiggos, A. Kantzioura
2	Buildings - Urban and Open Areas	Importance of bioclimatic design of school yards	S. Giannarou, E. Zervas
3	Buildings - Urban and Open Areas	The composition of green roof substrates influencing the provision of ecosystem services: a review	G. Farah, G. Pérez, M. El Bachawati
4	Buildings - Urban and Open Areas	The impact of green roofs on urban runoff quality: a review	C.M. Marín, M. El Bachawati, G. Pérez
5	Buildings - Urban and Open Areas	Enhancing sustainable environmental design through Innovative PCM-based Solutions	F.Z. Benouis, R. Herrero Martin, A. Garcia Pinar, A. Egea Villarreal
6	Climate Change-Disasters	Temporal cycle variability of mesozooplanktic communities in Algerian coast between 02°03' W and 08°38'E and the effect of Atlantic climate	S. Chabani, L. Mellak, A. Hafferssas
7	Climate Change-Disasters	Correlations between the temperature variability index and the temperature extremes	T. Kalyvas, N. Rapsomanikis, N. Gizani, I. Laskari, I. Mavromati, E. Bekou, E. Zervas
8	Climate Change-Disasters	Water-ecosystems-food nexus in a Mediterranean basin under climate change	D. Malamataris, A. Tsavdaridou, D. Banti, I. Tsampouris, A. Malliaras, A. Karalis, N. Theocharis, C. Michos, A. Mazaris
9	Climate Change-Disasters	Cluster analysis of climate variability indices in Greece	N. Rapsomanikis, T. Kalyvas, N. Gizani, E. Zervas
10	Climate Change-Disasters	Ensemble weather forecast using Kalman filter	V. Anusha
11	Climate Change-Disasters	Flood hazard mapping and risk evaluation using HEC-RAS and geospatial tools in lower Karnali river of Nepal	L. Chhinal, S. Thakuri, A.B. Mathema
12	Ecosystems - Natural Environment	Biodiversity and abundance of copepod communities along the Algerian coasts	S. Benslimane, A. Hafferssas

13	Ecosystems - Natural Environment	Gill ectoparasites of some fish species caught in the gulf of Bejaia, East Algeria	A . Diaf, F.Z. Bouhali, N. Benchikh
14	Ecosystems - Natural Environment	Relationships between Copepods – fish productions related to Algiers coasts (Bay of Bou Ismail)	M. Chaoudi, A. Hafferssas
15	Ecosystems - Natural Environment	Environmental impacts of beekeeping parks in greece	S. Marnasidis, E. Verikouki, I. Kesisoglou
16	Ecosystems - Natural Environment	Study of conserved residues in the heme cavity of chlorite dismutase: effect on functional and structural thermostability	D.V. Nokas, Z. Milioris, E. Krassa, N.E. Labrou, A.C. Papageorgiou, E.G. Chronopoulou
17	Energy	Algal –assisted microbial fuel cell as an oxygen supplier for bioelectricity generation	Y.M. Azri, B. Zitouni, M. Aziza, I. Tou, M. Sadi
18	Energy	Bifurcation of airflow in a porous enclosure	D. Menacer
19	Energy	Categorization of alternative fuels from biomass by-products and wastes using new alternative innovative tools	A. Vasileiadou, S. Zoras
20	Energy	Energy poverty in Greece	Z.Iliopoulou, E. Zervas
21	Enterprises-Environmental Economics_circular Economy	Techno-Economic modelling tool for small scale utility solar PV technology for quantifying environmental impacts	S. Kibaara, E. Muendo
22	Enterprises-Environmental Economics_circular Economy	Studies of environmental Kuznets curve in Greece	I. Mandalas, N. Gizani, I. Laskari, N. Matsouki, Ch. Tsipa, E. Zervas
23	Enterprises-Environmental Economics_circular Economy	Livelihood vulnerability and adaptive strategies assessment of farmers living in Rajapur municipality, Bardiya	P. Chapagain, R.A. Mandal, A.B. Mathema
24	Environmental Education - Awareness	Cognitive-SensoryArchitectural Education for Autistic Children	N. Zella, N. Maza, S. Ouguerroudj, Y. Chekchak
25	Environmental Education - Awareness	Mersi – inclusive mobility for special education	O. Mihăescu, A. Vișan, S. Păduraru, I.R. Serbănescu

26	Environmental Education - Awareness	Through ecological education we influence young people and the quality of life	G.A. Vlăsceanu, F. Nicolae , N.I. Petculescu, M. Nicolae, D. Mihăilă
27	Environmental Education - Awareness	Public views on household composting: Empirical evidence from the municipality of Kalamata, Greece	E. Velissaropoulou, E. Drimili, I. Lascari, N. Matsouki, E. Zervas
28	General Sustainability	Earth means life and energy for all of us!	M. Nicolae, N.I. Petculescu, F. Nicolae, R. Coțianu, G. Vlăsceanu
29	General Sustainability	Recycling and ecodesign	S. R. Stoica
30	General Sustainability	The challenge of achieving environmental protection: case of Sakdrisi-Kachaghiani and Dakota pipeline	T. Chumburidze
31	General Sustainability	Should a discussion around the attribution of rights to what is not human, be an issue for political ecology?	M. Jreissati
32	Materials	Elastic modulus of an algerian environmental concrete	S. Kitouni
33	Pollution	Evaluation of marine pollution of the Algerian west coast by plastic: meso and macro-plastics	F.Z. Bouhali, A. Diaf, N. Benchikh, I. Hafsaoui, A.B. Amira, M. Bougdah
34	Pollution	Indoor environmental quality assessment of a student housing facility in an Algerian university	N. Cherienne, S. Benharkat
35	Pollution	Oil drilling in the desert and its danger to water and the environment	B. Abdelmounaim
36	Pollution	Airborne concentrations and deposition rates of radioactivity from a hypothetical accident scenario	I. Petrou, K. Psistaki, I.M. Dokas, A.K. Paschalidou
37	Pollution	European emission trading system, polluter pays principle, and competition	M. Beccarello, G. Di Foggia
38	Pollution	Ivermectin removal from wastewater by photocatalytic degradation	C. Orbeci, G.I. Lupu, C. Bobirică, L. Bobirică
39	Pollution	Research on the presence of heavy metals in wine	R.C. Coțianu, M. Pîrvulescu
40	Pollution	Magnetically powered microrobots used for environmental remediation	J. Slany, P. Roupova, K. Klouda
41	Pollution	Water quality variation in an agricultural mediterranean basin until 2100	D. Malamataris, A. Tsavdaridou, Banti, A. Malliaras, A. Karalis, N. Theocharis, C. Michos, A.

			Mazaris
42	Pollution	Expired drugs as green corrosion inhibitors for industrial applications	C.A. Crişan, H. Vermeşan, S.Varvara
43	Pollution	Physicochemical Properties of Soil in Flood Affected and Non-affected Areas of Rajapur, Bardiya	R. Khaitu, R.A. Mandal, A.B. Mathema
44	Pollution	Composting olive tree leaves: a case study in Western Greece	K. Jace





# GUIDELINES

## Guidelines for the Papers Presenters

Each presentation lasts 15', questions included (12-13' of presentation and 2-3 minutes of questions). There is no specific template for the presentation, you can freely use your format. Please prepare your presentation (both ppt(x) and pdf) and send it to the Chair of your Session and to [iced@eap.gr](mailto:iced@eap.gr) before the beginning of the session, preferably 2-3 days before the Conference. The name of the file should be ICED2023\_Section Acronym\_1<sup>st</sup> author name.ppt(x)/pdf.

For the online presenters, please check your connection, micro and camera before the beginning of the Conference.

Please describe yourself and/or the team in 3-4 lines in the second page of your presentation, after the title of your work.

## Guidelines for the Posters Presenters

Each presentation lasts 2'. There is no specific presentation, your poster will be shown to the audience on a screen. Please try to have a horizontal layout. For the online presenters, please check your connection, micro and camera before the Conference.

## Guidelines for the Chairs

Please regulate the time of the presentation and also the questions of the audience. The questions can be after each presentation or, preferably, all together at the end of the session. Please pay attention on the total duration of the session. Please mute the micros of the online audience and deactivate their videos in case of low bandwidth.

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To avoid sound problems, please keep you micro muted during the presentations and unmute it only if you ask a question. To avoid connection problems in case of low bandwidth, please keep your camera off and activate it only if you ask a question. Please check your connection, micro and camera before the Conference. Also, please use Latin characters for your name.

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