



Co-funded by
the European Union

EU-CONEXUS Conference 2026

Challenges, Innovative Solutions
and Collaborative Actions for Sustainable
Urban Coastal Development

10-12 June 2026, Athens, GR

PROGRAMME



Wednesday

June 10, 2026

Agricultural University of Athens,
75 Iera Odos, Athens 11855
Main Venue: Conference Center

08:30 – 09:00 Registration

09:00 – 09:15 Welcome

- Prof Emmanouil Flemetakis, Vice Rector for Academic and Administrative Affairs, Lifelong Learning and Outreach, Agricultural University of Athens
- Ms Vera Charitou, EU-CONEXUS Institutional Coordinator, Agricultural University of Athens
- Dr Katerina I. Kalliampakou, EU-CONEXUS Institutional Research Manager, Agricultural University of Athens

09:15 – 09:30 Crossing Boundaries, Creating Knowledge: The Interdisciplinary Research Institutes of AUA

Dr Vasiliki Tsagou, Head of the Pa.K.E.K. Support Office

SESSION 1:

Soil Preservation/Restoration, Healthy Food Production, Disease Management: Innovation and Socio-Cultural Governance

Chair: Prof Maria Papasavva (*Frederick University*) & Prof Ana Pérez Villalba (*Catholic University of Valencia*)

09:30 – 10:00

Keynote Lecture

Smart Farming and Applied Research in Visual Computing and AI

Dr Philipp Wree, Head of Division Bioeconomy – Smart Farming, Fraunhofer Institute for Computer Graphics Research

10:00 – 11:00

Short Talk 1

Multi-Scale Soil Texture Prediction Using Multi-Temporal Sentinel-1 and Sentinel-2 Data and Machine Learning

Dr Swen Meyer, University of Rostock

Short Talk 2

From Molecules to Coastlines: An R&D Pipeline on Biologicals for Sustainable Urban-Coastal Agriculture

Prof Konstantinos A. Aliferis, Agricultural University of Athens

Short Talk 3

Quinoa as a Model for Genomics-Driven Breeding of Climate-Resilient and Healthy Crops

Prof Nazgol Emrani, University of Rostock

Wednesday

June 10, 2026

Agricultural University of Athens,
75 Iera Odos, Athens 11855
Main Venue: Conference Center

Short Talk 4

Blue Biomass for Sustainable Packaging: Biobased Films from Microalgal Whole Biomass and Exopolysaccharides

Christina Anna Stafyli, PhD Student at Agricultural University of Athens

11:00 – 11:30



COFFEE BREAK

11:30 – 12:00

Short Talk 5

From Farm to Fork: A Situation Analysis of the Environmental and Health Co-Benefits of Reducing Food Waste and Shifting Diets

Prof Jurgita Andruškienė, Klaipeda University

Short Talk 6

Healthy Food Production on Croatian Islands – Potentials, Threats and Challenges

Prof Anica Čuka, University of Zadar

12:00 – 12:30

Keynote Lecture

Fish, People and Freshwater Ecosystems: Aquaculture, Biological Invasions and Sustainable Management

Prof Lukáš Kalous, Full Professor at the Department of Zoology and Fisheries, Czech University of Life Sciences Prague

12:30 – 13:00

Free Discussion

13:00 – 14:30



LUNCH BREAK

EU-CONEXUS Opportunities for Researchers (achievements and prospects)

Chair: Dr Eleni Papakonstantinou (Agricultural University of Athens)

14:30 – 14:45

Collaborative Platform

Prof Dimitrios P. Vlachakis & Dr Eleni Papakonstantinou, Agricultural University of Athens

14:45 – 15:00

AQUAPACK: Sustainable Packaging Solutions for Food and Cosmetics Based on Aquatic Biomass and Sidestreams

Prof Theofania Tsironi, Agricultural University of Athens

Research Area Structures in European University Alliances and Stakeholder Collaboration on Coastal Projects – Collaboration Opportunities

Chair: **Ms Vera Charitou** (*Agricultural University of Athens*)

- 15:00 – 15:15 **Welcome Address on behalf of EU-CONEXUS** – The European University for Smart Urban Coastal Sustainability
Prof Spyridon Kintzios, Rector, Agricultural University of Athens
- 15:15 – 15:30 **EULIST** – The European Universities Linking Society and Technology
Prof Sotirios Karellas, National Technical University of Athens
- 15:30 – 15:45 **EUNICoast** – The European University of Islands, Ports and Coastal Territories
Prof Konstantinos Kounetas, University of Patras
- 15:45 – 16:00 **EURECA-PRO** – The European University on Responsible Consumption and Production
Prof Konstantinos-Alketas Oungrinis, Vice Rector, Technical University of Crete
- 16:00 – 16:15 **INVEST** – The Competitive University for a Sustainable Society
Prof Nikolaos Samaras, University of Thessaly
- 16:15 – 16:30 **EUonAIR** – European University on AI in Curricula, Smart UniverCity and (Return) Mobility
Prof Maria Psillaki, University of Piraeus

EU-CONEXUS Opportunities for Students (BSc, MSc & PhD) (achievements and prospects)

Chair: **Ms Christina Zantioti** (*Agricultural University of Athens*) & **Mr Bogdan Gheorghe** (*Technical University of Civil Engineering of Bucharest*)

- 16:30 – 16:50 **EU-CONEXUS Opportunities for Students**
Prof Ilinca Năstase, Vice Rector, Technical University of Civil Engineering of Bucharest
- 16:50 – 17:00 **EU-CONEXUS Students' Voices**
Ms Athanasia Elli Stefanaki, Student Board member & Minor student
Ms Ioanna Pergamali, Micro-credential student
Ms Panagiota Mallouhou, SRH and OLH student
Ms Christina Anna Stafyli, Student Joint Master Programme in Marine Biotechnology

Wednesday

June 10, 2026

Agricultural University of Athens,
75 Iera Odos, Athens 11855
Main Venue: Conference Center

17:00 – 17:30



COFFEE BREAK

“BREAK THE ICE” (Multiple Locations)

17:30 – 19:00

- A) Find your future Collaborators/Employers/Supervisors
(for Faculty members, Researchers, Postgraduate Students,
Representatives of non-Scientific Entities, Managers)

- Session 1: Soil Preservation/Restoration, Healthy Food Production,
Disease Management: Innovation and Socio-Cultural Governance

Moderators: Prof Dimitrios Skliros & Dr Katerina I. Kalliampakou
(Agricultural University of Athens)



Conference Center

- Session 2: Protection of Oceans, Seas & Waters and Sustainable
Coastal Waste Management through Socio-Ecological Transitions

Moderators: Dr Evanthia Chatzoglou & Ms Christina Zantioti
(Agricultural University of Athens)



Election Hall of the Central Administration Building (1st Floor)

- Session 3: Infrastructure & Nature Based Solutions for Disaster Risk
Reduction and Climate Change Adaptation with Local Knowledge &
Cultural Practices

Moderators: Prof Dimitrios P. Vlachakis & Dr Eleni Papakonstantinou
(Agricultural University of Athens)



Multi-Purpose Hall of the Central Administration Building
(2nd Floor)

- B) Workshop: How to Communicate Your Science
(for Undergraduate Students)

Moderator: Student Team “DNA Voyagers”



Frangopoulou Auditorium

19:00 – 22:30

Welcome Cocktail Party at the Courtyard of the Agricultural
Museum of AUA

Parallel all-day activity:

EU-CONEXUS ENABLES Hackathon “Gamifying Agricultural & Biotech Education”



Multi-Purpose Hall of the Agricultural Museum

Thursday

June 11, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

Main Venue: Gasholder 1–Auditorium “Miltiadis Evert”



AUA Research & Innovation Booths will be hosted at the Purifier venue throughout the event.

08:20 – 08:50 Registration

08:50 – 09:00 Welcome

— **Prof Eleni Miliou**, Vice Rector for European University,
Internationalization and Student Affairs, Agricultural University of
Athens

SESSION 2:

Protection of Oceans, Seas & Waters and Sustainable Coastal Waste Management through Socio-Ecological Transitions

Chair: **Prof Shiau Pin (Graece) Tan** (*South East Technological University*) & **Prof Arturas Razinkovas-Baziukas** (*Klaipeda University*)

09:00 – 09:30

Keynote Lecture

From Data to Decisions: The Missing Link in Coastal Sustainability

Dr Cristina Huertas-Olivares, European Research Infrastructure
Consortium LifeWatch ERIC

09:30 – 11:00

Short Talk 1

Isolation, Characterization and *In Vitro* Adaptive Evolution of
Biodegrading Environmental Bacteria of Poly(3-Hydroxybutyrate)
for Recycling Purposes

Prof Dimitrios Skliros, Agricultural University of Athens

Short Talk 2

Development of IMTA in the Adriatic Sea – A Path to More
Ecologically and Economically Sustainable Aquaculture Practices

Prof Ivan Župan, University of Zadar

Short Talk 3

Modelling Eutrophication Dynamics for Sustainable Coastal
Management: Application of the EUTROPY Model in the Curonian
Lagoon

Burak Kaynaroglu, PhD Student at Klaipeda University

Thursday

June 11, 2026

Technopolis City of Athens

100 Pireos Street, Athens, 118 54

Main Venue: Gasholder 1–Auditorium “Miltiadis Evert”

Short Talk 4

UAV Multispectral and Hyperspectral-Informed Monitoring of Invasive Coastal Vegetation in Ireland for Policy-Driven Coastal Management

Fionn Farrell, PhD Student at South East Technological University

Short Talk 5

Machine Learning from Stakeholder Knowledge for Social-Ecological Systems Modelling

Prof Arturas Razinkovas-Baziukas, Klaipeda University

Short Talk 6

From Damage to Restoration: Civil Liability, Full Reparation and Coastal Ecosystem Governance Under EU Law

Prof Marie-Sophie Bondon, La Rochelle Université

11:00 – 11:30



COFFEE BREAK



Purifier

11:30 – 12:00

Keynote Lecture

Ecosystem Modeling: From Phys 2 Fish

Dr George Triantafyllou, Research Director, Hellenic Centre for Marine Research - Institute of Oceanography

12:00 – 12:30

Free Discussion

SESSION 3:

Infrastructure & Nature Based Solutions for Disaster Risk Reduction and Climate Change Adaptation with Local Knowledge & Cultural Practices

Chair: Prof Agnė Šneiderienė (Klaipeda University) & Prof Zvezdan Penezić (University of Zadar)

12:30 – 13:00

Keynote Lecture

Seismic Resilience of Existing Buildings in Romania: Technical Regulations, Retrofitting Challenges and Environmental Trade-Offs

Prof Viorel Popa, Vice Rector, Department of Reinforced Concrete Constructions, Technical University of Civil Engineering of Bucharest

13:00 – 14:30



LUNCH BREAK



Purifier

14:30 – 16:00

Short Talk 1

Cascading Events in Coastal Environments and Their Impact on Critical Infrastructure

Pieris Panagi, PhD Student at Frederick University & University of Rostock

Thursday

June 11, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

Main Venue: Gasholder 1–Auditorium “Miltiadis Evert”

Short Talk 2

Twinning Ecologies: Representing Interdependence Across More-Than-Human Authors in a Coastal Landscape Digital Twin

Dr Emily Kim & Dr Emily Shakespeare, South East Technological University

Short Talk 3

Encoding Ecologies: Technical Challenges of Representing More-than-Human Authors in a Coastal Digital Twin

Dr Sinéad Barnett & Dr Robin Stubbs, South East Technological University

Short Talk 4

GNSS-Based Ionospheric Monitoring of Tsunami-Induced Disturbances as a Potential Early Warning Tool

Dr Krishnendu Sekhar Paul, Frederick University

Short Talk 5

Meteotsunami-Driven Saline Intrusions in the Curonian Lagoon

Dr Laura Nesteckytė, Klaipeda University

Short Talk 6

Advanced Wind and Seismic Resilience-Targeted Evaluation of Civil Infrastructure at City-Scale Level

Prof Mihail Iancovici, Technical University of Civil Engineering of Bucharest

16:00 – 16:30

Keynote Lecture

Architected Reefs: Offer Exceptional Coastal Storm Protection at Much Lower Cost

Prof Michael Triantafyllou, Director of the MIT Sea Grant Program, Henry L. and Grace Doherty Professor in Ocean Science & Engineering in the Department of Mechanical Engineering at the Massachusetts Institute of Technology

16:30 – 17:00

Free Discussion

17:15 – 19:30

Cultural Tour: Guided Tour of the Acropolis Museum, followed by a walking tour through the historic center of Athens, including Vryonos Street, the Monument of Lysicrates, the Roman Agora, and concluding in Monastiraki.

Parallel all-day activity:

EU-CONEXUS ENABLES Hackathon “Gamifying Agricultural & Biotech Education”

 **INNOVATHENS**



AUA Research & Innovation Booths will be hosted at the Purifier venue throughout the event.

08:30 – 09:00 Registration

09:00 – 11:00 Posters' Session Purifier

11:00 – 11:30 COFFEE BREAK Purifier

PARALLEL ROUND TABLES *(Multiple Locations)*

11:30 – 13:00 **Round Table 1:**

The role of science and society in the “One Health” approach. How easy are the solutions proposed by science to be implemented in practice and adopted by society and government?

Moderator: **Prof Sofia Mavrikou**, Agricultural University of Athens

Keynote Lecture

Safe and Sustainable by Design: Translating food science innovation into food industry practice

Prof Theofania Tsironi, Laboratory of Food Process Engineering,
Department of Food Science and Human Nutrition, Agricultural University of Athens

Round Table Panel

- **Prof Theofania Tsironi**, Agricultural University of Athens
- **Dr Philipp Wree**, Fraunhofer Institute for Computer Graphics Research
- **Prof Lukáš Kalous**, Czech University of Life Sciences Prague
- **Prof Nazgol Emrani**, University of Rostock
- **Prof Zvezdan Penezić**, University of Zadar
- **Prof Dimitrios P. Vlachakis**, Agricultural University of Athens
- **PhD Student Mareeha Rafiq**, Agricultural University of Athens

Gasholder 1–Auditorium “Miltiadis Evert”

Friday
June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

Round Table 2:

How can we reduce the impact of our civilization on the environment? How easy are the solutions proposed by science to be implemented in practice and adopted by society and government?

Moderator: **Dr Evanthia Chatzoglou**, Agricultural University of Athens

Keynote Lecture

Advancing Blue Economy Sustainability through Participatory Ecosystem Protection - Restoration and Smart Decision-Support Tools

Prof Stefan Mihai Petrea, Vice-dean of the Food Science and Engineering Faculty, "Dunărea de Jos" University of Galati

Round Table Panel

- **Prof Stefan Mihai Petrea**, "Dunărea de Jos" University of Galati
- **Dr Cristina Huertas-Olivares**, European Research Infrastructure Consortium LifeWatch ERIC
- **Prof Emmanouil Malandrakis**, Agricultural University of Athens
- **Prof Marie-Sophie Bondon**, La Rochelle Université
- **Prof Charalambos Chasos**, Frederick University
- **Prof Ivan Župan**, University of Zadar
- **PhD Student Edita Lenkauskaitė**, Klaipeda University

♀ INNOVATHENS (Ground Floor)

Round Table 3:

Are sustainable coastal cities a utopia? How can we improve existing infrastructure and redesign our coastal cities to make them sustainable? How easy are the solutions proposed by science to be implemented in practice and adopted by society and government?

Moderator: **PhD Student Christos Vatistas**, Agricultural University of Athens

Keynote Lecture

Strategic Sustainability Communication for Stakeholder Engagement: From One Way Information to Dialogic Responsibility Mindset Building

Lecturer **Viktorija Jakubauskytė-Andriulienė**, Lecturer in Communication, LCC International University (Klaipeda) and Vilnius Gediminas technical University (Vilnius)

Round Table Panel

- **Lecturer Viktorija Jakubauskytė-Andriulienė**, LCC International University (Klaipeda) and Vilnius Gediminas technical University (Vilnius)
- **Prof Viorel Popa**, Technical University of Civil Engineering of Bucharest
- **Prof Remigijus Dailidė**, Klaipeda University
- **Lecturer Irene Angastinioti**, Frederick University
- **Prof Catalin Ioan Teodosiu**, Technical University of Civil Engineering of Bucharest
- **Dr Yvonne Kavanagh**, South East Technological University
- **Ms Katerina Papadouli**, Agricultural University of Athens
- **PhD Student Pieris Panagi**, Frederick University & University of Rostock

 **INNOVATHENS (1st Floor)**

13:00 – 14:30

 **LUNCH BREAK**  **Purifier**

PARALLEL WORKSHOPS ON EU CALLS *(Multiple Locations)*

- 14:30 – 16:00
- Soil Preservation/Restoration, Healthy Food Production, Disease Management: Innovation and Socio-Cultural Governance
Moderator: Ms Bianca Mătășariu (*Technical University of Civil Engineering of Bucharest*)
📍 Gasholder 1–Auditorium “Miltiadis Evert”
 - Protection of Oceans, Seas & Waters and Sustainable Coastal Waste Management through Socio-Ecological Transitions
Moderator: Ms Lucie Vaucel (*La Rochelle Université*)
📍 INNOVATHENS (Ground Floor)
 - Infrastructure & Nature Based Solutions for Disaster Risk Reduction and Climate Change Adaptation with Local Knowledge & Cultural Practices
Moderator: Ms Adriana Samanaru (*Technical University of Civil Engineering of Bucharest*)
📍 INNOVATHENS (1st Floor)
 - Funding Opportunities for beginners
Moderators: Ms Christina Constantinidou (*Frederick University*) & Ms Léa Hauviller (*La Rochelle Université*)
📍 Purifier (Lower Level)
- 16:10 – 18:00
- EU-CONEXUS ENABLES Hackathon Showcase and Awards:
“Gamifying Agricultural & Biotech Education”
- Chair: Dr Aikaterini Koletti (*Agricultural University of Athens*)
- Jury: Prof Sofia Mavrikou (*Agricultural University of Athens*)
Prof Dimitrios P. Vlachakis (*Agricultural University of Athens*)
Prof Helen Hughes (*South East Technological University*)
Lecturer Rachel O Dowd (*South East Technological University*)
Ms Sabine Brueser (*University of Rostock*)
- Presentation of Awards by Prof Ilinca Năstase (*University of Civil Engineering of Bucharest*)
- 📍 Gasholder 1–Auditorium “Miltiadis Evert”
- 18:00 – 19:30
- Closing Ceremony
- 📍 Purifier

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

POSTERS OF SESSION 1:

Soil Preservation/Restoration, Healthy Food Production, Disease Management:
Innovation and Socio-Cultural Governance

- P01** **Good Food, Good Feelings: Exploring Body Image and the Mediterranean Diet**
Presenter: [Zvezdan Penezić](#), University of Zadar
- P02** **Consumer Perceptions of Insect-Based Food: From Topic Modeling of Associations to Consumption Intentions**
Presenter: [Krešimir Jakšić](#), University of Zadar
- P03** **Transforming food supply routines through digital access: analysis of the role of the smartphone in changing practices**
Presenter: [Natalia Suarez Moya](#), La Rochelle Université
- P04** **Dietary TMAO-induced inflammation produces changes in social behavior**
Presenters: [Ana Perez-Villalba](#), [Alicia Saelices-Lillo](#), [Belén Frígols Garrido](#), [David Alburquerque-Bravo](#), Catholic University of Valencia
- P05** **Brain Resilience: Open-Skill vs. Closed-Skill Exercise in Mild Cognitive Impairment Treatment**
Presenters: [Alonso Sanchez-Rodriguez](#), [Julia Deltiempo-Martínez](#), Catholic University of Valencia
- P06** **Multicomponent exercise training to prevent cognitive decline in older adults with mild cognitive impairment**
Presenter: [Elena Sanz Cariñena](#), Catholic University of Valencia
- P07** **From Sensing to Healing: A Real-Time Biofeedback System for Mental Health Management in Older Adults**
Presenter: [Malik Faizan](#), Walton Institute, South East Technological University
- P08** **Genetic variability in antioxidant enzymes SOD2 and CAT and clinical heterogeneity of multiple sclerosis**
Presenter: [Maria Papasavva](#), Frederick University
- P09** **L-Dopa Decarboxylase Mediates Apoptosis Through Regulation of PI3K/AKT Pathway in Response to DENV Infection**
Presenter: [George Mpekoulis](#), Hellenic Pasteur Institute
- P10** **Effects of overland flow mechanisms on phosphorus export from grassland soils**
Presenter: [Patricia Roche](#), Eco-Innovation Research Centre (EIRC), South East Technological University
- P11** **The Role of Endomycorrhizal Fungi in Irish Fen Restoration**
Presenter: [Woody Bennett](#), South East Technological University

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P12** A rhizobial xanthine/uric acid transporter affects the bioenergetic metabolism of the nodule in *Medicago truncatula* – *Sinorhizobium meliloti* symbiosis
Presenter: [Katerina I. Kalliampakou](#), Agricultural University of Athens
- P13** Molecular Targeting of FAR Proteins in Plant-Parasitic Nematodes: A Step Towards Sustainable Crop Protection
Presenter: [Maria-Eirini Lekka](#), Agricultural University of Athens
- P14** Enhancing Maize Resilience to Combined Drought and *Fusarium proliferatum* Stress via Root Endophytic Symbiosis with *Serendipita indica*
Presenter: [Fatemeh Noori](#), Gorgan University of Agricultural Sciences and Natural Resources & University of Rostock
- P15** Screening of novel bio-based recycling fertilizers to evaluate their effects on germination, nutrient uptake and biomass yield in selected crops
Presenter: [Paul Fromund Klatt](#), University of Rostock
- P16** Harnessing Algae-Derived Biostimulants to Enhance Crop Resilience and Productivity: A Multi-Omics and Digital Twin Approach
Presenter: [Mareeha Rafiq](#), Agricultural University of Athens; Institute of Environment and Marine Science Research (IMEDMAR), Catholic University of Valencia
- P17** Electrochemical Detection of Azoxystrobin in Lettuce Matrices via Molecularly Imprinted Polymers
Presenter: [Anastasios Manolopoulos-Dekaristos](#), Agricultural University of Athens
- P18** Isolation of Fungi from Environmental Sources and TLC Screening for Ochratoxin A in Wine and Beer Samples
Presenter: [Klara Rušev](#), University of Zadar
- P19** Microbial community and spoilage development in refrigerated marine fish during cold chain distribution and storage
Presenter: [Evgenia Basdeki](#), Agricultural University of Athens
- P20** Predictive modelling for fish and seafood processing and preservation
Presenters: [Héctor Castarlenas Cequier](#), Catholic University of Valencia & [Evmorfia Athanasopoulou](#), Agricultural University of Athens
- P21** Influence of fish meal and fish oil replacement on the plasma biochemical profile of European sea bass (*Dicentrarchus labrax*)
Presenter: [Evanthia Chatzoglou](#), Agricultural University of Athens
- P22** From anti-biofilm activity to anticancer potential: investigation of metabolites produced by marine bacterial consortia
Presenter: [Émile Bonnenfant](#), La Rochelle University

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P23** Unveiling Tocopherol production in *Tetrademus obliquus*: From spectrophotometric stress monitoring to multi-omics analysis
Presenter: [Jeronimo Chirivella-Martorell](#), Institute of Environment and Marine Science Research (IMEDMAR), Catholic University of Valencia
- P24** Blue Biomass for Sustainable Packaging: Biobased Films from Microalgal Whole Biomass and Exopolysaccharides
Presenter: [Christina Anna Stafyli](#), Agricultural University of Athens
- P25** Fighter Tomatoes: Regenerative Packaging and Circular Consumer Engagement in Sustainable Food Marketing
Presenters: [Balma Chulvi Bernad](#), [Mario Ferrandez Sania](#), [Juan Esteban Caicedo Rodríguez](#), Catholic University of Valencia
- P26** Equal benefits from different methods? A comparative study of *Salvia officinalis* decoction and infusion
Presenter: [Zacharias-Sotirios Mantzourakis](#), Agricultural University of Athens
- P27** Comparative evaluation of bioactive and antimicrobial properties in decoction and infusion beverages of *Origanum vulgare* L. spp. *hirtum*
Presenter: [Anna Petrou](#), Frederick University
- P28** Natural Products from *Salvia willeana* and *Salvia fruticosa* as Potential Agents for Eco-Friendly Control of Cyanobacterial Blooms
Presenter: [Despina Charalambous](#), Frederick University
- P29** Novel use of materials such as seaweed, green tea and shells in antimicrobial wound dressings.
Presenter: [Helen Hughes](#), South East Technological University
- P30** Simulation of wheat thermal behavior in metal silos for grain storage
Presenter: [Adrian-Gabriel Ghiaus](#), Technical University of Civil Engineering of Bucharest
- P31** Genetic Identification of Mosquitoes in Ireland using a multi-sampling approach of direct and indirect samples
Presenter: [Thomas Curran](#), South East Technological University
- P32** Reframing Disease Management through Educational Innovation: an interdisciplinary postgraduate model for health system capacity building
Presenter: [Anthi Xenofondos](#), Frederick University

POSTERS OF SESSION 2:

Protection of Oceans, Seas & Waters and Sustainable Coastal Waste Management through Socio-Ecological Transitions

- P33** A peptide-decorated *PilA* biosensor in *E. coli* for real-time environmental biosensing
Presenter: Georgia Samolada, Democritus University of Thrace / iGEM ProDeGenes
- P34** ARMS-MBON technology for environmental monitoring in ports
Presenter: Victor Tena-Gasco, Institute of Environment and Marine Science Research (IMEDMAR), Catholic University of Valencia
- P35** Variations in environmental water quality in port marine environments: a comparative study under altered conditions
Presenter: Victor Tena-Gasco, Institute of Environment and Marine Science Research (IMEDMAR), Catholic University of Valencia
- P36** Using urban stormwater & rainwater as alternative sources to sustain urban lakes
Presenter: Mukupa M. Miller, Technical University of Civil Engineering of Bucharest
- P37** Waste shells as low-cost materials for wastewater treatment and nutrient recovery
Presenter: Shiau Pin Tan, Eco-innovation Research Centre (EIRC)/Pharmaceutical and Molecular Biotechnological Centre (PMBRC), South East Technological University
- P38** Methodology for Imputation of the Irish Soil Permeability Map
Presenter: Anne Crowley, South East Technological University
- P39** Optimisation of ethanol-based phenolic Solid-Liquid Extraction from fig leaf waste
Presenter: Angeliki Xyderou Malefaki, University of Huddersfield, Huddersfield
- P40** Healing attempts of *Pinna nobilis* individuals using phytotherapy
Presenter: José Francisco Sánchez de Prado, Institute of Environment and Marine Science Research (IMEDMAR) & Doctoral School, Catholic University of Valencia
- P41** Transcriptome analysis of neural and gonadal tissues of *Pinna nobilis* Linnaeus, 1758 and *P. rudis*
Presenter: José Francisco Sánchez de Prado, Institute of Environment and Marine Science Research (IMEDMAR) & Doctoral School, Catholic University of Valencia
- P42** Multidisciplinary oceanographic research in coastal ecosystems: análisis of biological, physical and chemical data
Presenter: Héctor Castarlenas Ceqvier, Catholic University of Valencia

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P43** CABALGA II: Innovative and inclusive approaches for the recovery and conservation of benthic communities in the Mediterranean, Atlantic and Cantabrian Seas
Presenter: Raquel Torres, Institute of Environment and Marine Science Research (IMEDMAR) & Doctoral School, Catholic University of Valencia
- P44** From jellyfish bycatch to marine collagen: circular bioeconomy opportunities for small-scale fisheries
Presenter: Raquel Torres, Institute of Environment and Marine Science Research (IMEDMAR) & Doctoral School, Catholic University of Valencia
- P45** First results of characterization of the impact of microplastics on Mediterranean temperate corals.
Presenter: Christian Ghioldi, Institute of Environment and Marine Science Research (IMEDMAR) & Doctoral School, Catholic University of Valencia
- P46** Impacts of offshore wind farm construction on grey and harbour seals in the *Baie de Somme* (English Channel)
Presenter: Sarah Jeangeorges, La Rochelle Université
- P47** Microplastic Generation from the Leading Edge of Offshore Wind Turbine Blades: An Emerging Environmental Concern
Presenter: Mohammadhassan Badihehaghdam, The Center for Research and Enterprise in Engineering, South East Technological University
- P48** Environmental Drivers of Gilthead Sea Bream Holobiont: Integrating Growth Performance, Blood Biochemistry, Gene Expression and Multi-Compartment Microbiota under Temperature and Salinity Variation
Presenter: Mario Ferrández Sanía, Catholic University of Valencia
- P49** DIAGNOSIS OF FISH DISEASES WITH THE USE OF MOLECULAR METHODS
Presenters: Theodosios Dimitriadis, Despoina Kyriazaki, Anastasios Stefanos Polygarakis, Eleftheria Maria Myrto Gkritzapi, Agricultural University of Athens
- P50** Effects of chlorine-induced stress on physiological and biochemical characteristics of the marine diatom *Phaeodactylum tricornutum*
Presenter: Evaggelos Kefalogiannis, Agricultural University of Athens
- P51** Thriving in salt: Adaptive physiological and biochemical responses of *Dunaliella* sp. SKE07 to hypersaline stress
Presenter: Stefanos Ploumis, Agricultural University of Athens
- P52** Insights into microalgal stress adaptation: the roles of CrSBD1 and CrCEP2
Presenter: Aikaterini Koletti, Agricultural University of Athens

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P53** Mixotrophic cultivation of *Scenedesmus quadricauda* using waste frying sunflower oil: effects on growth and physiological response
Presenter: [Spyridon Raftopoulos](#), Agricultural University of Athens
- P54** Aeration systems for sustainable hydropower: protecting aquatic ecosystems in coastal river basins
Presenter: [Paul Alexandru Danca](#), CAMBI Research Center, Technical University of Civil Engineering of Bucharest & National Institute for R&D in Electric Engineering (ICPE-CA)
- P55** Interactive Web-Based Platform for Visualization of Operational Marine Forecasts
Presenter: [Rasa Idzelytė](#), Marine Research Institute, Klaipeda University
- P56** Numerical simulation of wave equations using multi-relaxation-time lattice boltzmann approach
Presenter: [Bouthaina Yousfi](#), La Rochelle Université & University of Tunis El Manar
- P57** CFD modelling and simulation of ammonia flow processes in internal combustion engines for zero-carbon transportation
Presenter: [Charalambos Chasos](#), Frederick University
- P58** Cellular Materials for Sustainable Protection Systems: Modelling Approaches for Reducing Environmental Impact in Coastal Logistics
Presenter: [Farzaneh Khast](#), South East Technological University
- P59** A STEM-Based Approach to Modeling Wave–Structure Interaction in Coastal Engineering Education
Presenter: [Tudor Macavei](#), Technical University of Civil Engineering Bucharest
- P60** Modeling and Optimization of Coastal Structural Systems Using Mathematical and Mechanical Approaches in Engineering Education
Presenter: [Valentina Iuliana Manea](#), Technical University of Civil Engineering Bucharest
- P61** Linear Programming Applications for Optimizing Coastal Waste Management Systems in Engineering Education
Presenter: [Ion Mierluș-Mazilu](#), Technical University of Civil Engineering Bucharest
- P62** Multi-Criteria Decision-Making for Sustainable Coastal Infrastructure Management in Engineering Education
Presenter: [Raluca Ioana Grasu](#), Technical University of Civil Engineering Bucharest
- P63** Understanding Sustainable Travel Intentions in Regional Aviation: Behavioural Constraints and the Theory of Planned Behaviour
Presenter: [Amy Lynn Whelan](#), South East Technological University

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P64** Reimagining Coastal Sustainability Education: Digital Pedagogical Design for Transitions in Blue Tourism
Presenter: Neill Wylie, South East Technological University
- P65** A blended learning model for maritime studies as a capacity-building pathway for sustainable coastal development
Presenter: Tartios Christiana, Frederick University
- P66** Species literacy & coastal ecology: A design-based-research project on game-based science education and communication
Presenter: Tom Bewersdorf, University of Rostock
- P67** Game-based learning of coastal ecology: An intervention study on the impact of GBL on students' intrinsic motivation
Presenter: Emanuel Nestler, University of Rostock
- P68** Governance Intelligence for Socio-Ecological Transitions: Reflexive Decision-Making and the Role of European University Alliances
Presenter: Edita Lenkauskaitė, Klaipeda University
- P69** SRH - Biodiversity survey and interpretation assessment of Copper Coast UNESCO Global Geopark in Co. Waterford, Ireland
Presenter: Aoife Murphy, South East Technological University
- P70** SRH - Applications of computational fluid dynamics (CFD) and computational mechanics (CM) for sustainable and secure transport systems at coastal and urban areas – Outcomes and Prospects
Presenter: Adonis Vasiliou, Frederick University

POSTERS OF SESSION 3:

Infrastructure & Nature Based Solutions for Disaster Risk Reduction and Climate Change Adaptation with Local Knowledge & Cultural Practices

- P71** Resilient Roadside Infrastructure for the Electric Vehicle Era: Rethinking Guardrail Performance for Future Transport Safety
Presenter: Adonis Vasiliou, Frederick University
- P72** SRH-Natural language processing (NLP) for climate research: Practical text analysis workflows
Presenter: Krešimir Jakšić, University of Zadar
- P73** Sustainable Retrofit Strategies for Traditional Timber Houses
Presenter: Ancuța Neagu, Research, Development and Innovation Management Center, Technical University of Civil Engineering Bucharest

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P74** Numerical evaluation of airflow and heat exchange within lightweight wall boards equipped with interconnected PV panels
Presenter: [Cătălin Ioan Teodosiu](#), CAMBI Research Center, Technical University of Civil Engineering of Bucharest
- P75** Preliminary tests on the resistance capacity of wooden elements exposed to marine environment of the Black Sea Region
Presenter: [Ruxandra Erbasu](#), Technical University of Civil Engineering Bucharest
- P76** Development of a dynamic material passports framework for sustainable and circular urban coastal construction
Presenter: [Ioannis Markou](#), South East Technological University
- P77** Robot-Assisted Monitoring of Historic Buildings in Coastal Urban Environments: Innovative Solutions for the Sustainable Protection of Built Heritage
Presenter: [Ioan Mihail Savaniu](#), Technical University of Civil Engineering Bucharest
- P78** Modeling of Soil–Structure Interaction in Coastal Environments Using a STEM-Based Learning Approach
Presenter: [Adrian-Alexandru Savu](#), Technical University of Civil Engineering Bucharest
- P79** Quantifying seismic risk and financial resilience in Bucharest through EAL, PML and Tail Risk metrics
Presenter: [Bogdan Gheorghe](#), Technical University of Civil Engineering Bucharest
- P80** Risk-Based Management of Coastal Urban Systems Using Statistical and Decision Models
Presenter: [Ramona Silvestru](#), Technical University of Civil Engineering Bucharest
- P81** Financing urban resilience: the role of crowdfunding in green infrastructure development
Presenter: [Nico Wille](#), University of Rostock
- P82** Bridging the Data-Policy Gap: A Framework for Leveraging Mobility Data in SDG-Aligned Coastal Urban Governance
Presenter: [Fateme Hosseinpour Berenjabad](#), University of Rostock
- P83** Leadership styles enabling organizational ambidexterity for strategic value creation in coastal climate adaptation: the role of collaboration and local knowledge systems
Presenter: [Aurimas Labanauskas](#), Klaipeda University
- P84** Green Skills for Organizational Resilience
Presenter: [Agnė Šneiderienė](#), Klaipeda University

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P85** Empowering Girls in STEM as a Capacity-building Pathway for Climate Adaptation and Coastal Resilience
Presenter: [Irene Angastinioti, Frederick University](#)
- P86** Scaling Inclusive Pedagogy: A Transnational Practice Journey from Zadar to Seville
Presenters: [Clare Martin, Deirdre Grant, South East Technological University](#)
- P87** Comparison of traditional and modern teaching methods in higher education: perspectives of students and professors
Presenter: [Lucija Kolarec, University of Zadar](#)
- P88** Promoting Sustainable Coastal Tourism with AI? Evidence from Student Campaign Development for a Coastal Destination
Presenter: [Michelle Clancy, South East Technological University](#)
- P89** Coastal Resilience and Sustainability (CoReS): a diamond open access journal for a sustainable future
Presenter: [Drahomira Cupar, University of Zadar](#)
- P90** Environmental Anxiety and Coping: How Do Youth in Coastal Regions Cope with Climate Change?
Presenter: [Alexios Kavvouras, Agricultural University of Athens](#)
- P91** Sea-breeze fronts as indicators for climate adaptation and health risks in Baltic coastal environments
Presenter: [Remigijus Dailidė, Klaipeda University](#)
- P92** Water quality in Mediterranean coastal lagoons: optical remote sensing and in situ validation for assessing the severity of torrential floods
Presenter: [Juan Esteban Caicedo Rodriguez, Catholic University of Valencia](#)
- P93** Hydrodynamic Model-Based Analysis of Marine Heatwaves in the Southeastern Baltic Sea
Presenter: [Inesa Servaitė, Klaipeda University](#)
- P94** Shore-based monitoring of suction dredgers operating in sensitive coastal zones: artificial vision systems for preventing entry into protected areas
Presenter: [Andrei Busca, Technical University of Civil Engineering Bucharest](#)
- P95** A Bioregional Partnership Approach to Address Biodiversity Challenges in Ireland's South East
Presenter: [Andrew Madigan, South East Technological University](#)

Posters | Friday

June 12, 2026

Technopolis City of Athens
100 Pireos Street, Athens, 118 54

- P96** Evaluation of Olive Cultivars for Urban Environments: Morphological Traits, Health Status and Urban Suitability
Presenter: [Luka Mičić](#), University of Zadar
- P97** Comparative Genomic Analysis of Salt and Drought Resilience in Rhizobia Isolated from *Trifolium* and *Medicago* Species
Presenter: [Emmanouil Zoanos](#), Agricultural University of Athens
- P98** Optimisation of non-invasive genetic tools to monitor populations of common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle (*Pipistrellus pygmeus*) bats in a Living Lab
Presenter: [Fleuryne Esteve](#), La Rochelle Université
- P99** PS-II biosensing of Ametryn: Sensitive detection using *Lemna minor* thylakoids
Presenter: [Ioanna Amaslidou](#), Agricultural University of Athens
- P100** In-Situ Decarbonization of SMR Hydrogen: A Comparative Exergy-Machine Learning Framework for Blue & Green Hydrogen Ascendancy
Presenter: [Abdullah Hasni](#), NED University of Engineering & Technology
- P101** Twinning ecologies: representing interdependence across more-than-human authors in a coastal landscape digital twin
Presenter: [Emily Kim](#), South East Technological University
- P102** Encoding Ecologies: Technical Challenges of Representing More-than-Human Authors in a Coastal Digital Twin
Presenter: [Sinéad Barnett](#), South East Technological University
- P103** The relationship between dark triad traits, empathy, and altruism across professional contexts
Presenter: [Zvezdan Penezić](#), University of Zadar
- P104** DNA Voyagers

Acknowledgements

We would like to thank the following organisations, institutions and university units for their support of the EU-CONEXUS Conference 2026



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS



InnovinAgri
Γραφείο Καινοτομίας, Επιχειρηματικότητας
& Μεταφοράς Τεχνολογίας ΕΛΚΕ ΓΠΑ



ZITA CONGRESS & EVENT
MANAGEMENT



SMART
AGR
HUB
cultivating Innovation

HEI GreenPath
*Shaping HEI environment for
a sustainable tomorrow*



Contacts:eu-conexus.euinfo@eu-conexus.eu [eu.conexus](https://www.facebook.com/eu.conexus)
 [eu_conexus](https://www.instagram.com/eu_conexus) [EU-CONEXUS](https://www.linkedin.com/company/eu-conexus)
 [EU_CONEXUS](https://twitter.com/EU_CONEXUS) [EU-CONEXUS European University](https://www.youtube.com/channel/UC...)