

PROGRAMME OF ECES2024

Day One, 9th May

09:00 – 09:30 Welcome and Registration

09:30 – 10:00 Plenary Session

- ✓ Opening speech by Tanja Porja, ECES24 Coordinator
- ✓ Welcome to ECES24 by Prof. Dr. Spiro Drushku, Dean of the Faculty of the Natural Sciences
- ✓ New paths in Applied Physics; Environment, Climate and Biophysics, by Prof. Dr. Polikron Dhoqina
- ✓ Conference greetings from the Deputy Minister of the Environment, Ms. Almira Xhembulla and presentation of the recent policies regarding Environment and Climate

10:00 – 10:30 coffee break

SESSION I: CLIMATE SCIENCE

Moderators: Margarita Ifti, Eglantina Kalluci

10:30 – 11:00	Else van den Besselaar, Netherlands	Climate monitoring facility for Europe: ECA&D and E-OBS
11:00 – 11:15	Mirvjen Ulqinaku, Albania	A comparative study of ArcGIS classification algorithms
11:15 – 11:30	Saeed Rasekhi, Spain	Trend and cycle of fluctuations and statistical distribution of temperature of Berlin, in the period 1990-2022
11:30 – 11:45	Tanja Porja, Albania	The thermal threshold that human body can withstand at different humidity levels
11:45 – 12:15	Michalis Sioutas, Greece	Assessing climate change in Greece and Albania by temperature and rainfall spatiotemporal patterns and trends

SESSION II: ENVIRONMENT AND CLIMATE

Moderators: Tanja Porja, Elizabeta Susaj

10:30 – 11:00	Beatriz Fernández-Duque, Spain	Circulation Weather Types: understanding their influence on weather patterns and pollutant concentrations over Mediterranean areas
11:00 – 11:15	Shkumbin Shala, Kosovo	Research on the impact of Saharan dust in the rural areas of Brezovica and the concentration of PM10, PM2.5, NO2, O3, SO2, CO
11:15 – 11:30	Xhoen Gjashta, Germany	Implementation of Electrostatic Separation and Differential Scanning Calorimetry for Robust and Fast Microplastics Analysis in Sediments
11:30 – 11:45	Dritan Rustja, Albania	The transformation of the natural landscape in transition: forest degradation, deforestation and reforestation in post-socialist Albania
11:45 – 12:00	Shpresa Thaqi, Kosovo	Heavy metal pollution in the Drenica River caused by Feronikeli

12:30 – 14:00 lunch

SESSION III: NATURAL HAZARDS**Moderators: Tanja Porja, Nedim Sladić**

14:00 – 14:30	Mario Marcello Miglietta, Italy	For “derechos” to “medicanes”: climate change and severe convective events in the Mediterranean
14:30 – 14:45	Edmond Dushi, Albania	Calibration of Moment Magnitude-local magnitude relation using Albanian Seismic Network data: Enhancing Seismic catalogs through back-processes event data
14:45 – 15:00	Ervis Krymbi, Albania	Natural Risk Assessment in Shkodra Lowland
15:00 – 15:15	Beatriz Fernández-Duque, Spain	Lamb weather types influence on urban heat island in southern Europe
15:15 – 15:30	Tanja Porja, Albania	From wet to extreme wet spells – case study of Shkodra
15:30 – 15:45	Klajdi Qoshi, Albania	Normalization of local magnitude scale for routine earthquake processing: insights from Albanian National Earthquake Monitoring Centre
15:45 – 16:00	Damiano Koxhaj	Comprehensive Analysis of Aftershock Focal Mechanisms Following the 2019 Durres Earthquake: Integrating Mobile Seismic Network and National Seismic Data Using the HASH Method

SESSION IV: NUMERICAL MODELING & SIMULATIONS**Moderators: Dodë Prenga, Rudina Osmani**

14:00 – 14:30	Lluis Fita Borell, Argentina	South American activities and new developments of the regional earth system modeling platform of IPSL (RegIPSL)
14:30 – 14:45	Gerald Spreitzhofer, Austria	METGIS, a world-wide comprehensive high-resolution meteorological downscaling and visualization approach
14:45 – 15:00	Lindita Hamolli, Albania	Multiple Delays in Light Curves of Lensed Quasars
15:00 – 15:15	Klaudio Peqini, Albania	Low-dimensional models as feasible tools to probe the internal functioning of the Geodynamo
15:15 – 15:30	Migena Ceyhan, Albania	Pilot test: site response evaluation using different non-invasive methods

Closing of the first day of ECES24

SESSION V: PUBLIC COMMUNICATION & INTERDISCIPLINARY STUDIES

Moderators: Nedim Sladić, Jostina Dhimitri

09:45 - 10:15	- Nedim SLADIĆ, UK: Public communication for global warming and climate extremes.
10:15 - 10:30	- Jostina Dhimitri, Albania: The competence-based learning assessment for climate and weather in pre-university system a study in physical geography education
10:30 - 10:45	- Erjon Spahiu, Albania: Assessment of the annual effective dose from some cereal crops commonly used in local markets of Tirana
10:45 - 11:10	- EcoAlbania: The role of Science in the protection campaign of Vjosa River
11:10 – 11:30	- JOBEXPORT: You have a DEGREE in Physics, Mathematics, Chemistry and other natural sciences? YOU'RE WANTED!

11:30 – 12:00 Coffee break

POSTER SESSION (12:00 – 13:00)

Moderators: Olta Çakaj, Lindita Hamolli

Poster 1. Valbona Lame, Albania	The complementarity of wind and solar power in Vlorë
Poster 2. Valbona Lame, Albania	Problematics of Solar PV implementation in High altitude areas of Vlora, FMPE, PUT
Poster 3. Mentor Shala, Kosova	The impact of dust from Sahara on PM2.5, PM10 on air quality in the Pristina area
Poster 4. Megi Caushaj, Albania	Air pollution analysis and continuous monitoring of PM2.5 in urban area in Tirana
Poster 5. Astrit Denaj, Albania	Assessment of the Climate Knowledge & General Information on high school students
Poster 6. Elmira Kushta	Remarks and assessment of electricity consumption by empirical modeling.
Poster 7. Dode Prenga	A nonlinear time series approach for studying inflows on the Lakes of Drin cascade
Poster 8. Olta Çakaj, Albania	Microplastics Pollution in some imported table salts in Albania
Poster 9. Eranda Gjeci, Albania	Soil radioactivity and its role in ecosystems: A literature review
Poster 10. Matilda Mema, Albania	Activity of photosynthetic apparatus in plants under the influence of direct solar radiation
Poster 11. Brunilda Daci, Albania	Standardization of the radiochemical procedure of Polonium-210 determination in water samples
Poster 12. Edlira Habilaj, Albania	Climate change education at school.
Poster 13. Gledis Hajdini, Albania	Data analysis and evaluation of the impact meteorological parameters on the values of evapotranspiration (ETO) Calculated by FAO Penman-Monteith Equation
Poster 14. Eljo Daci, Albania	Determination of Optimal Irrigation Water Requirement of Salvia Officinalis through CROPWAT V8.0
Poster 15. Klaudio Peqini, Albania	An algorithm for the calculation of Lyapunov's exponent for time series of rainfalls and Radon concentration
Poster 16. Edmond Dushi, Albania	A mobile application for collecting earthquake data: citizen seismology
Poster 17. Arlina Davidhi, Albania	Hydrosphere and Atmosphere
Poster 18. Physics Students (Gr1)	Using DI & RI thermal indices ex estimations: case study of summer 2023
Poster 19. Physics Students (Gr2)	Thermal indices for summer 2023: estimating 3-THI indices

Closing Remarks (13:00 – 13:20)

Conference Gala (19:30 – 22:00)