



CONFERENCE

Modern approaches of the environment-climate change interconnectivity,
2-nd edition, September 20-23, 2023, Galați

PROGRAM

WEDNESDAY 20.09.2023

12.00 – 13.00	Registration (Restaurant Winestone/Mercure Centrum)	
11.00 – 13.00	Visit to IC REXDAN (Galati, Bd. G. Cosbuc nr 98)	
13:00 – 14:00	Lunch (Restaurant Winestone/Mercure Centrum)	
	SECTION 1 (Panoramic Hall/Mercure)	SECTION 2 (Winestone Terrace/Mercure)
	Convener: Maxim Arseni	Convener: Cătălina Țopa
14.00 – 14.15	Simona Condurache-Bota. FIRST TIME DATA REUNION FOR REXDAN'S RAPID-E+DEVICE ON AEROSOL MONITORING	Stefania Adelina Milea. ASSESSING THE MERCURY BIOACCESSIBILITY FROM FISH DURING COOKING AND CO-INGESTION
14.15 – 14.30	Daniel-Eduard Constantin. AIR POLLUTION MONITORING USING MOBILE PLATFORMS	Nina-Nicoleta Lazăr. PLASTICS - A POTENTIAL THREAT TO ENVIRONMENT, FOOD SECURITY, AND HEALTH
14.30 – 14.45	Carmelia Mariana Bălănică Dragomir. MEDIUM-TERM MANAGEMENT OF FOREST FUND IN GALATI COUNTY	Bianca Furdui. SPIRULINA (ARTHROSPIRA PLATENSIS VAR TOLIARA): A SUSTAINABLE SOLUTION FOR ENVIRONMENTAL CHALLENGES AND NUTRITION
14.45 – 15.00	Valică Andreea. MULTI-UTILITY APPROACHES ON THE EVALUATION OF THE CARBON FOOTPRINT OF URBAN AGGLOMERATIONS: CASE STUDY ON CONSTANTA MUNICIPALITY	Rodica Mihaela Dinică. ACCUMULATION AND DISTRIBUTION OF METALS IN DIFFERENT PARTS OF TWO AQUATIC PLANTS FROM DANUBE DELTA BIOSPHERE RESERVE
15.00 – 15.15	Adrian Roșu AIR POLLUTION MONITORING USING UAV SENSORS VERSUS HIGH END MONITORS	Filis Aifer Mamut. MONITORING THE VEGETATION OF HALIDES ON SALTED SOILS IN THE NEIGHBOURHOOD OF MURIGHIOL IN THE CONTEXT OF CLIMATE CHANGES
15.15 – 15.30	Adriana Pienaru. THE CARBON FOOTPRINT FROM ROMANIAN WASTEWATER TREATMENT PLANTS	Valentina Calmuc. STUDY ON THE PRESENCE OF PHARMACEUTICAL RESIDUES IN THE LOWER DANUBE RIVER BASIN
15:30 – 16:00	Coffee break	
	SECTION 1 (Panoramic Hall/Mercure)	SECTION 2 (Winestone Terrace/Mercure)
	Convener: Victor Nicolae	Convener: Mihaela Timofti

16.00 – 16.15	Mirela Voiculescu. ONE YEAR OF OBSERVATIONS AT THE RADO-GALATI REXDAN REMOTE SENSING STATION	Eduard C. Milea. SEASONAL AND SPATIAL VARIABILITY OF E. COLI AND ENTEROCOCCI CONTAMINATION IN THE MARINE WATER ALONG THE ROMANIAN COASTLINE
16.15 – 16.30	Gabriel Murariu. A PREDICTIVE APPROACH FOR GROUND OZONE CONCENTRATION IN THE SOUTH EASTERN AREA OF EUROPE USING NUMERICAL METHODS	Ancuta Dinu (Iacob). CARBON NANOFIBERS AND MULTILAYER CARBON NANOTUBES – BASED SENSORS FOR QUANTIFICATION OF HEAVY METAL ION IN SURFACE WATER SAMPLES
16.30 – 16.45	Maxim Arseni. APPLICATION OF MOBILE MAPPING SYSTEM FOR GEOSPATIAL DATA ACQUISITION	Orhan Ibram. LONG-TERM DYNAMICS OF CHIRONOMIDAE FAUNA IN DANUBE DELTA LAKES: IMPLICATIONS FOR AQUATIC ECOSYSTEM HEALTH AND RECOVERY
16.45 – 17.00		Alexandra Bounegru. DEVELOPMENT OF A GRAPHENE AND PEDOT-BASED ELECTROCHEMICAL SENSOR FOR THE DETERMINATION OF CATECHOL IN WATER SAMPLES

THURSDAY 21.09.2023

8:00 – 9:00	Registration (Restaurant Winestone/Mercure Centrum)	
	Plenary/Key note presentations (Panoramic Hall/Mercure)	
	Convener: Mirela Voiculescu	
9:00 – 9:20	Liliana Rusu. THE DYNAMICS OF OFFSHORE RENEWABLE ENERGY IN THE EUROPEAN NEARSHORE IN THE CONTEXT OF THE CLIMATE CHANGE	
9.20 – 9.40	Bogdan Antonescu. FROM THUNDERSTORM TO TORNADOES: UNPACKING ROMANIA'S SURGE IN SEVERE WEATHER	
9.40 – 10.00	Doina Nicolae. CAL/VAL OF THE EARTHCARE MISSION EMPOWERED BY ACTRIS	
10.00 – 10.30	Lucian P. Georgescu (Rector of the UDJG). RECTOR'S SPEECH : REXDAN, A MODERN RESEARCH INFRASTRUCTURE FOR THE ENVIRONMENT	
10.30 – 11.00	Coffee break	
	Convener: Mirela Voiculescu	
11.00 – 11.20	Luminita Moraru. MULTIFRACTALS ANALYSIS AND INTELLIGENT ARTIFICIAL TOOLS FOR ASSESSING AND FORECASTING WATER QUALITY AND FOREST LAND: CASE STUDY - GALATI AREA.	
11.20 – 11.40	Antoaneta Ene. AMBIENT GAMMA DOSE RATE IN GALATI MUNICIPALITY	
11.40 – 12.00	Alin Dirtu. CHROMATOGRAPHIC METHODS IN TANDEM WITH MOLECULAR OR ELEMENTAL MASS SPECTROMETRY AS COMPLEMENTARY TECHNIQUES FOR DETERMINATION OF FUNGICIDES IN FOODS.	

12.00 – 12.20	Monica Zlati. THE STUDY OF THE TRANSITION TO CLIMATE NEUTRALITY BASED ON EUROPEAN GREEN ECONOMY DEVELOPMENT MODELS
12.20 – 13.30	Open discussions
13.30 – 15.00	Lunch/Free program
15.00 – 17.00	Visit of the REXDAN vessel
19.00	Conference dinner (Panoramic Hall/Mercure)

FRIDAY 22.09.2023

9:00 – 9:30	Registration (Restaurant Winestone/Mercure Centrum)	
	SECTION 1 (Winestone Terrace/Mercure)	SECTION 2 (Panoramic Hall/Mercure)
	Convener: Doina Nicolae	Convener : Alin Dîrțu
9.30 – 9.45	Igor Cretescu. INFLUENCE OF HYDROLOGICAL CONNECTIVITY ON THE HEAVY METALS CONCENTRATION IN WATER AND BOTTOM SEDIMENTS OF COASTAL LAKES	Elisabeta-Irina Geana. MULTICLASS PESTICIDE RESIDUES IN SURFACE WATER COLLECTED FROM MIDDLE AND LOWER COURSE OF OLT RIVER, ROMANIA
9.45 – 10.00	Alexandru Ilie. MOBILE MAPPING OF AIR POLLUTION IN BUCHAREST	Madalina Calmuc. ASSESSMENT OF THE MICROPLASTICS PRESENCE IN THE LOWER DANUBE WATER AND SEDIMENT
10.00 – 10.15	Petru Vaideanu. DISTINCT FLAVORS OF EL-NIÑO IDENTIFIED IN TOTAL CLOUD COVER VARIABILITY	Teodor-Alexandru Mușat. PHYSICO-CHEMICAL CHARACTERISTICS OF THE WATER COLUMN IN THE WESTERN BLACK SEA
10.15 – 10.30	Andrei Dandocsi. ANALYSIS OF PM AND CARBONACEOUS AEROSOL MULTI-ANNUAL TRENDS AT THE RADO-BUCHAREST SITE	Andra Bucse. HEAVY METALS CONTAMINATION IN THE SURFACE SEDIMENTS OF THE NW BLACK SEA SHELF, ROMANIA
10.30 – 10.45	Marius Cazacu. CLIMATE CHANGE INFLUENCE ON LIFE QUALITY AND WELLBEING – A CASE STUDY ON AIR QUALITY IN IASI CITY, ROMANIA	Andreea-Miruna Codreanu. ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN FRESHWATER AND BIOTA SAMPLES FROM THE LOWER DANUBE RIVER
10.45 – 11.00	Razvan Pîrloagă. WIND AND TURBULENCE STATISTICS AT MĂGURELE USING DOPPLER WIND LIDAR MEASUREMENTS	Mirela Sandu. SOIL-WATER SYSTEM MANAGEMENT FOR CONSERVATIVE AGRICULTURE
11.00 – 11.30	Coffee break	
	SECTION 1 (Winestone Terrace/Mercure)	SECTION 2 (Panoramic Hall/Mercure)
	Convener: Adrian Roșu	Convener : Bianca Furdui

11.30 – 11.45	Stefanel-Claudiu Cretu. EXPOSING URBAN HEAT ANOMALIES: THERMAL PATTERN ASSESSMENT ACROSS SIX CITIES IN NORTH- EASTERN ROMANIA USING LANDSAT SERIES IMAGERY	Octavian Pacioglu. THE EPIGEAN-HYPOGEAN CONTINUUM CONCEPT
11.45 – 12.00	Igor Cretescu. EFFECT OF URBAN STORMWATER RUNOFF ON RIVER WATER QUALITY; CASE STUDY IN NORTHEAST POLAND	Selma Menabit. BACTERIAL COMMUNITIES ASSOCIATED WITH THE TUBE-DWELLING POLYCHAETE MELINNA PALMATA GRUBE, 1870 AND SEDIMENTS (STUDY CASE: ROMANIAN BLACK SEA SHELF)
12.00 – 12.15	Victor Nicolae. DID AEROSOL PROPERTIES IN THE LOWER ATMOSPHERE CHANGED IN THE LAST 5 YEARS? A STUDY IN SOUTH-EAST ROMANIA	Andreea Botezatu. PHENOLICS, FLAVONOIDS CONTENTS AND SECONDARY METABOLITES ISOLATED FROM VACCINIUM SECUNDIFLORUM (ERICACEA)
12.15 – 12.30	Marian Necula. BENCHMARKING SEVERAL MACHINE LEARNING CLASSIFICATION ALGORITHMS FOR LAND USE/LAND COVER IN DANUBE DELTA (2013-2023) USING MULTISPECTRAL AND SYNTHETIC APERTURE RADAR DATA	Anna Busuioc. COMPARATIVE STUDY OF MICRO- AND MACRO-ELEMENTS IN THE LEAVES AND FRUITS OF SOME SPECIES FROM THE CURCUBIRACEAE FAMILY CULTIVATED IN THE DANUBE AREA
12.30 – 12.45	Gabriela Ciocan. FIVE-YEAR ANALYSIS OF AEROSOL OPTICAL PROPERTIES AND DOMINANT TYPES OVER MAGURELE, ROMANIA	Andrei Ștefan. DIVERSITY OF RHIZOBIA ASSOCIATED WITH MEDIC PLANTS (MEDICAGO SPP.) IN EASTERN ROMANIA
12.45 – 13.00		Maria Catalina Topa. MONITORING OF WATER AND SEDIMENT QUALITY THROUGH STATISTICAL ANALYSIS AND GEOSPATIAL DETERMINATION OF POLLUTANTS IN THE PREDELTAIC AREA OF THE LOWER DANUBE, ROMANIA
13.00 – 14.00	Lunch (Restaurant Winestone/Mercure Centrum)	
14.00 – 17.00	Open discussions, Poster session and Conclusions	

POSTER PRESENTATIONS (*Winestone Terrace*)

Nr	Presenter	TITLE
1.	Armandine Lema	FLORISTIC DIVERSITY OF SOME MEDICINAL PLANTS USED IN TRADITIONAL MEDICINE IN BURKINA FASO
2.	Catalina Gavrila.	FIRST RECORD OF GAMBUSIA HOLBROOKI (EASTERN MOSQUITOFISH), AN INVASIVE FISH IN THE TUZLA LAKE, ROMANIA
3.	Daniela Florea	ASSESSMENT OF HEAVY METALS CONTAMINATION OF SURFACE SEDIMENTS OF COSTINEȘTI LAKE



4.	Florin Bogos	STUDY OF HEAVY MINERALS PRESENCE IN SEDIMENT SAMPLED FROM REPRESENTATIVE SECTORS FOR THE LOWER DANUBE RIVER
5.	Romana Drasovean	APPLIED STATISTICAL METHODS IN ENVIRONMENTAL SCIENCE
6.	Cristian Mugurel Iorga	GROUNDWATER CONTAMINATION WITH HYDROCARBONS IN AN OLD PETROLEUM PRODUCTS STORAGE