



1st International Conference on Water Environmental Protection and Sustainable Development WEPSD-2021

17-18 May 2021

Tirana, Albania

DRAFT PROGRAM

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WEPSD-2021

17th of May 2021			
8:00-9:00	REGISTRATION Plenary Aula – Tirana International Hotel		
9:00-10:00	PLENARY SESSION Chaired by: MOC Welcome addresses by: <ul style="list-style-type: none">• Head of the Academy of Sciences of Albania• Ministry of Environment• Representative of BENA• Representative of Ocean4Biotech• Representative of EBTNA• Representative of GEF-ADRIATIC		
SESSION I. Marine & Freshwater Ecology TOPIC I. Aquatic Flora, Fauna, Microbiome & Interactions among them. Chaired by: Stefano Fazi, Luigi Bundone			
Time	TITLE OF PRESENTATION	AUTHORS	Category O/P
10:15-10:30	Structural Characteristics Of Microbial Biofilms In Marine Environment: Advanced Techniques To Follow The Colonization Of Artificial Substrates.	S. Fazi INVITED LECTURER	O

10:30-10:45	Chemotaxonomy Of Phytoplankton Populations In Lake Ecosystems Can Lead To Microbial Interactions Elucidation.	A. Bacu	O
10:45-11:00	Assessment Of The State Of Macrozoobenthos And Benthic Habitats In Ksamili Islands.	S. Beqiraj	O
11:00-11:15	The Effect Of Grass Carp Stocking On Aquatic Macrophytes In Earth Ponds Ecosystem.	M.Bllaca	O
11:15-11:30	Mediterranean Monk Seal In Albania: Historical Presence, Sightings And Habitat Availability	Luigi Bundone, Gema Hernandez-Milian, Nexhip Hysolako, Rigers Bakiu, Tatjana Mehilla and Lorela Lazaj	O
11:30-11:50	COFFEE BREAK		
11:50-12:05	Ecophysiology Meets Conservation: Amphibians As Sentinels Of Environmental Health.	Valbona Aliko	O
12:05-12:20	A Unique <i>Savalia savaglia</i> (Bertoloni, 1819) Forest In The Boka Kotorska Bay (Montenegro, Adriatic Sea).	Trainito Egidio, Mačić Vesna, Petović Slavica, Đorđević Nikola and Cerrano Carlo	O
12:20-12:35	Marine Litter Assessment On The Beach Near The Rodon Cape.	Gjyli Laura, Kolutari Jerina, Pepa Eugen, Hoda Valbona And Cani Manjola	O
12:35-12:50	Data on <i>Cystoseira amentacea</i> Distribution And Status In Karaburun-Sazan National Marine Park.	Nexhip Hysolako, Laureta Sadikllari, Tatjana Mëhillaj, Lorela Lazaj, Lefter Kashta	O

LUNCH BREAK 12:50-13:30			
POSTERS			
	Taxonomic Contribution To The Populations Of Benthic Macro-Invertebrates In The Drini River.	Pepa Bledar, Papparisto Anila and Keci Erjola	P
	Observations About Some Changes In The Macrophytic Compositions In A Part Of The Littoral Zone Of Shkodras Lake.	Temali Albana & Kraja Arjana	P
	Histological anatomy and epidermal characteristics of the leaf in species of the family <i>Nymphaeaceae</i> .	Gazmir Gjoni , Zhaneta Zekaj	P
SESSION I.			
TOPIC II. QUALITY OF WATERS & KUNE-VAIN LAGOON MONITORING			
Chaired by: Aleko Miho, Ariola Bacu			
10:15-10:30	Observation Of Shkodra Lake Water Quality Using Satellite Imagery.	Mandija Florian, Rakaj Marash, Bushati Jozef And Frasheri Neki	O
10:30-10:45	Eo5 Integrated Monitoring Of The Adriatic Sea And Coast And Related Assessment Criteria.	Ylli Arjana, Precali Robert, Dedej Zamir	O
10:45-11:00	Comparison Of Trophic State (Tsic) Of Kune-Vain Waters During 2009-2013 - A Reflection Of Climate Changes Impact.	Ariola Bacu	O
11:00-11:15	Distribution Of Different Forms Of Phosphorous In Sediments Of KuneVaini Lagoon System	Vallja Loreta, Duka Sonila, Shehu Alma, Vasjari Majlinda and	O

		Broli Nevila	
11:15-11:30	Seasonal Variation And Human Health Risk Assessment Of Heavy Metals In The Kune-Vaini Complex Waters	Shehu Alma, Vasjari Majlinda, Duka Sonila, Vallja Loreta and Broli Nevila	O
COFFEE BREAK 11:30-11:50			
11:50-12:05	Seasonal Variation Of Lamparelli Trophic State Index (TSI) In Kune -Vaini Lagoon System.	Duka Sonila, Vallja Loreta, Vasjari Majlinda, Shehu Alma and Broli Nevila	O
12:05-12:20	Data On The Phytoplankton Of The Kune-Vaini Lagoon Complex, Lezha.	Kola Madalena and Miho Aleko	O
12:20-12:35	Diatoms (<i>Bacillariophyceae</i>) And The Related Biological Quality Of Waters In Kune-Vaini, Lezha.	Ladia Qevani and Miho Aleko	O
POSTERS			
	The Copepods Of Kune-Vaini Lagoon, A Taxonomic And Ecological Overview.	Lika Ridjola, Qirjo, Mihallaq, Miri Fundime	P
	Assessment of water quality of lake Ohrid-Albanian part using physic-chemical parameters.	Dalo Enis, Sadikaj Rigerta, Shyqeriu Muhamir And Sahiti Hazbije	P
	On The Colonial Breeding Waterbirds In The Lagoony Complex Of Kune-Vain.	Selgjekaj Ledi and Bego Ferdinand	P
LUNCH BREAK 12:50-13:30			

SESSION II. WATER POLLUTION

TOPIC I: Categories of Water Pollutants/ Potential Sources / Methodologies for Detection

Chaired by: Klementina Puto, Valbona Aliko

13:30-13:45	Microplastics In The Levant- A Snapshot From Kune Vain Lagoon.	V. Aliko	O
13:45-14:00	Monitoring Of Contaminants In Albanian Coastal Area: A Gap Assessment.	E. Baraj	O
14:00-14:15	Analyze Of The Water Balance And Technological wastewater During Beer Production, Focusing On The Product Safety And Quality.	R. Buzo	O
14:15-14:30	Sensors Based Electrochemical Method For Determination Of B- Blocker In Environmental Water Systems.	N. Broli	O

POSTERS

	Pollution And Quality Assessment Of Rivers Buna, Drin And Velipoja Beach, Shkodër, Albania.	Luka Ornela, Puto Klementina and Hila Naxhije	P
	How To Maintain Phosphorus Level In Soil And Groundwater By Using Microbial Phytase As A Feed Additives.	Pengu Rezana, Delia Etleva	P

Topic II. Monitoring Systems

Chaired by: Carlos Guitard, Zamir Dedej

14:45-15:00	GEF ADRIATIC project: towards assessing the good environmental status (GES) for the marine environment related to the pollution impact ecological objective 9 according to the environment/mediterranean action plan (UNEP/MAP) IMAP framework in the Republic of Albania and the Republic of Montenegro.	Carlos Guitard PLENARY LECTURE	O
15:00-15:15	The distribution of contaminants in water based on numerical simulations.	Hysa Azem and Hysa Dhurata	O
15:15-15:30	Natural material-based nanotechnology for cleaning of environmental systems.	Majlinda Vasjari, Nevila Broli, Alma Shehu, Sonila Duka and Loreta Vallja	O
15:30-15:45	Treatment processes of the contaminated wastewaters from the oil industry in Albania.	Malollari Ilirjan, Buzo Redi and Rapaj Laura	O
15:45-16:00	Sensors based electrochemical method for determination of β -blocker in environmental water systems.	Nevila Broli and Majlinda Vasjari	O
16:00-16:15	A new versatile computer programming approach for upscaling and modeling of reactive contaminant transport from pore-scale to large Darcy scale of (variably) saturated porous media.	Dulian Zeqiraj	O
TOPIC III. Health Risks Related to Water Pollution			
Chaired by: Munis Dundar, Gabriel Plavan			
16:15-16:30	Effects Of Environment On Genes And Epigenetics.	Munis Dundar INVITED LECTURER	O

16:30-16:45	Toxic metals in tissues of fishes from the Black Sea and associated health risk exposure.	Plavan Gabriel, Jitar Oana, Teodosiu Carmen, Nicoara Mircea, Micu Dragos and Strungaru Stefan-Adrian	O
16:45-17:00	The Impact Of Climate Change On Public Health From Transmission Of Pathogens To Surface Waters In Albania, Perspectives.	Puto Klementina and Luarasi Linda	O
17:00-17:15	Polycyclic Aromatic Hydrocarbons In Soil Around Mediterranean Sea (Oran City): Implication For Human Health.	Halfadji Ahmed and Touabet Abdelkrim	O
POSTERS			
	Drinking Water And Health Hazards An Overview.	K.Dhamo	P
<p>SESSION III</p> <p>Climate Changes, Water Environmental Protection & Sustainable Development</p> <p>TOPIC I. Management / Sustainable Development/ Aquaculture & Marine Biotechnology</p> <p>Chaired by: Robert Marks, Zaharoula Andreopoulou</p>			
13:30-13:45	State Of Marine Biodiversity And Habitats In The Albanian Coast, With Focus On Existing And Proposed Marine Protected Areas.	Sajmir Beqiraj PLENARY LECTURE	O
13:45-14:00	Technologies and policies for sustainability in regional development and European Union perspectives.	Zaharoula Andreopoulou INVITED LECTURER	O
14:15-14:30	A Model Suggestion For Politics To Enhance The Quality Of Life Through Restructuring Rural Environments Focused On Tourism.	Ertaş Beşir Şebnem, Koç Altuntaş Selver And Demirel Öner	O

14:30-14:45	Bringing Innovative Biotechnology-Based Technologies To The World Of Start-Ups. How A Marine Product Finds Multiple Outlets.	Robert S.Marks INVITED LECTURER	O
14:45-15:00	Evaluation Of The Effect Of Cage Aquaculture Farms On Water Quality In Vlora Bay	Ribaj Simo and Koçiu Anila	O
15:00-15:15	Long-Term Impacts Of Hydropower Dams On Coastal Environment- Lessons Learned From Drini River.	K.Bego	O
15:15-15:30	3D Printed Computationally Generated Submerged Breakwater Barriers For Erosion Prevention And Marine Life Growth	Gerdi Papa	O
15:30-15:45	Distribution Of Fish Types Of Commercial Interest And Chemical Parameters Of The Albanian Part Of Ohrid Lake	Rigerta Sadikaj, Dritan Arapi, Emilja Dede	O
15:45-16:00	Stock And Production Prediction Of Bleak (A. Scoranza) In Shkodra Lake.	Kolaneci Valbona, Bllaca Marsida, Kamberi Elvis, Dervishi Blerta	O
POSTERS			
	Solid Waste Management Is Essential For Water Quality.	Prifti Holta, Floqi Tania and Mirel Mico	P
	Dynamic optimization of well placement and their rate in coastal aquifers.	Dulian Zeqiraj	P
	Climate Change Adaptation Technologies For Coastal Risk Prevention.	Temali Irma and Temali Albana	P

SESSION IV
Maritime Spatial Planning

Chaired by: Lubonja Gerta, Krstulovic Nada

16:00-16:15	Mainstreaming Nexus Approach Into National Sectoral Planning In Albania.	LUBONJA Gerta, KARAGJOZI Arduen, METOJA Rovena and ZHORI Alba PLENARY LECTURE	O
16:15-16:30	The Value Of Integrated Monitoring And Assessment Programme For The Adriatic.	KRSTULOVIĆ Nada INVITED LECTURER	O
16:30-16:45	First Guidelines For Marine Spatial Planning Process In Albania.	Modugno Simone, Jeudy De Grissac Alain And Myftiu Genc	O
16:45-17:00	The Role Of The Fisheries Sector In The Process Of Sea Protection And Maritime Planning.	Mandic Milica, Pesic Ana, Djurovic Mirko And Joksimovic Aleksandar	O
17:00-17:15	Assessment Of The Ecological Status And Preliminary Initial Marine Spatial Planning Assessment In Vlora Marine Area (Albania).	Modugno Simone, Jeudy De Grissac Alain and <u>Myftiu Genc</u>	O
17:15-17:30	Marine Spatial Planning As A Tool For The Blue Economy: Opportunities And Challenges	Ivica Trumbic INVITED LECTURER	O
POSTERS			
	Mainstreaming Of Ecosystem-Based Adaptation Into Spatial Planning - Analysis Of Inclusion Of Eba In Territorial Plans And Practices In Albania.	Irma Temali	P
	Marine Spatial Planning As A Tool Toward Sustainable Development Of Marine National Park Of “Karaburun-Sazan”.	Mëhillaj Tatjana, Lazaj Lorela And Hysolakoje Nexhip	P

	Blue Land maritime spatial planning procedure.	Genti Kromidha, Emirjeta Adhami, Lorela Lazaj, Nexhip Hysolako	P
	Identification of relevant national stakeholders for integrated marine spatial planning.	Genti Kromidha	P
17:30	CONCLUDING REMARKS		
	18th of May 2021 Organized Visit at the Natural Protected Area of Kune-Vain, Albania / Lunch		