

"Global Environmental Development & Sustainability:

	Day 1 – November 18, 2021			
09:00 – 09:15 Opening Ceremony and Introduction				
Plenary Session				
	Chair: Rita BODÁNÉ-KENDROVICS			
09:15 - 09:40	INTERNATIONAL STANDARDS FOR ENVIRONMENTAL MANAGEMENT SYSTEM, AND			
	RESOURCE EFFICIENCY			
	Sadhan Kumar GHOSH ¹ , Sannidhya Kumar GHOSH ²			
	¹ Department of mechanical Engineering, Jadavpur University, Kolkata, India, ² Department of			
	Civil, Environmental and Architectural Engineering, University of Colorado Boulder, USA			
09:40-10:10	SYMBIOSIS and "BIOSPHERES" in SOIL-PLANT-MICROBE-INTERRELATIONS and SOIL-			
	ENVIRONMENT-HUMAN HEALTH (Doctor's Program founded by Prof. M. KECSKÉS, in			
	Hungary) Borbála BIRÓ ¹ , Hosam BAYOUMI Hamuda ² , Klára CZAKÓ VÉR ³			
	¹ Department of Agri-Environmental Studies, Szent Istvan University, Budapest, Hungary,			
	² Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary, , ³ University of			
	Pécs, Faculty of Technology and Informatics, Pécs, Hungary			
10:10 - 13:20	Keynote Session			
10110 10120	Chair: Borbála BIRÓ			
10:10 - 10:30	ENVIRONMENTAL DEVELOPMENT & SUSTAINABILITY: TECHNOLOGY & MANAGEMENT			
	Hosam E.A.F. BAYOUMI HAMUDA			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
10:30 – 10:50 INDIAN HUNGARIAN RESEARCH COOPERATION POSSIBILITIES IN THE FIELD OF ENVIRONMENTAL DEVELOPMENT & SUSTAINABILITY				
	Embassy of Hungary 2/50-M Niti Marg, Chanakyapuri, New Delhi 110-021, India			
10:50 - 11:10	MAPPING THE ENVIRONMENTAL DAMAGES CAUSED BY CONSTRUCTION OF THE ROAD			
	"RRUGA E ARBËRIT"			
	Edmond HOXHA ¹ , Klea MECl ²			
	¹ Department of Mineral Resources, Faculty of Geology and Mine, Polytechnic University of			
	Tirana, Rr. Elbasanit, Tirana, Albania, ² Department of Mineral Resources, Faculty of Geology and Mine, Polytechnic University of Tirana, Rr. Elbasanit, Tirana, Albania			
11:10 - 11:20	EFFECT OF CLIMATE CHANGE ON SOIL MICROBIOME AND RESISTOME			
11.10 - 11.20	Lyudmyla SYMOCHKO ^{1,2}			
	¹ Uzhhorod National University, Uzhhorod, Ukraine, ² Institute of Agroecology and Environmental			
	Management of NAAS, Kyiv, Ukraine			
11:20 - 11:40	NEW STRATEGY TO ENHANCE THE REUSE OF TREATED WASTEWATER BY PROMOTING SMART			
	IRRIGATION SYSTEMS IN THE MENA REGION USING BIOPOLYMER			
	Faissal AZIZ ^{1,2}			
	¹ Laboratory of Water, Biodiversity & Climate Change, Semlalia Faculty of Sciences, University			
	Cadi Ayyad, Marrakech, Morocco, ² National Centre for Research and Studies on Water and			
	Energy (CNEREE), University Cadi Ayyad, Marrakech, Morocco			
11:40 - 12:00	THE BEHAVIOR OF ECO-FRIENDLY CERAMIC MATERIALS BASED GOLD MINING TAILINGS			
	Nedjima BOUZIDI ¹ , Athmane BOUZIDI ² , Amina BAZIZ ¹			
	¹ Laboratory of Materials Technology and Process Engineering (LTMGP), University of Bejaia,			
	Algeria, ² Electrical Engineering Laboratory (LGE), TarguaOuzemmour Road, Bejaia, Algeria			



"Global Environmental Development & Sustainability:

10.00 10.00			
12:00 - 12:20	CONTAMINATION MONITORING AND RISK ASSESSMENT IN THE CRITICAL ZONE WITH A VIEW		
	ON HEATH, FOOD AND WATER PROTECTION UNDER CLIMATE CHANGE CONDITIONS:		
	CHALLENGES, TECHNIQUES AND CASE STUDIES: A GLOBAL PERSPECTIVE		
	Gyozo JORDAN ¹ , Zsofia KOVACS ² , Silvana BELTRAN ³ , Péter SZABO ⁴		
	¹ Research Centre for Astronomy and Earth Sciences, ELKH, Budapest, Hungary, ² Faculty of		
	Engineering, University of Pannonia, Veszprem, Hungary, Faculty of Engineering, University of		
	Pannonia, Veszprem, Hungary, ³ Theoretical and Experimental Ecology Station SETE, Moulis,		
	France, ⁴ Faculty of Natural Sciences, ELTE University, Budapest, Hungary		
12:20 - 12:40	WATER MANAGEMENT ISSUES IN SPAIN AND PORTUGAL AT BEGINNING OF 2020S		
	Sándor J. ZSARNÓCZAI		
	Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering,		
	Institute of Environmental Engineering and Natural Sciences, Budapest Hungary		
12:40 - 13:00	CHANLLENGES AND ASSETS IN THE SANITATION OF CITIES IN REPUBLIC OF BENIN (WEST		
12:40 - 13:00	•		
	AFRICA)		
	Léocadie ODOULAMI		
	Pierre PAGNEY Laboratory, Climate, Water, Ecosystem and Development LACEEDE / DGAT /		
	FASHS / 1 University of Abomey-Calavi (UAC), Cotonou, Republic of Benin (West Africa)		
13:00 - 13:20	GEOSYNTHETICS IN SUSTAINABLE INFRASTRUCTURES		
15.00 - 15.20			
	Abdelwahab TAHSIN		
	Arab Consulting Engineers Office, Dokki, Giza, Egypt		
13:20 - 14:00	Lunch Break		
14:00 - 15:00	00 Oral Technical Session (1)		
Chair: Hosam Bayoumi Hamuda			
14:00 - 14:10	THE EFFECTS OF WOODEN BUILDING MATERIALS ON THE INDOOR AIR QUALITY OF HOUSES		
14.00 14.10	Csilla PATKÓ		
	University of Technology and Economics Department of Building Constructions, Budapest,		
	Hungary		
14:10 - 14:20	IMPACT OF LANDFILL GASES ON THE SURROUNDING POPULATION – A MODELLING		
	APPROACH		
	Bogdana VUJIĆ ^{1*} , Mira RADENOVIĆ ² , Una MARČETA ¹ Maja PETROVIĆ ³		
	¹ University of Novi Sad, Technical faculty "Mihailo Pupin", Đure Đakovića bb, Zrenjanin, Serbia,		
	² City of Novi Sad, City Council, ³ University of Novi Sad, Faculty of Technical Sciences, Novi Sad,		
	Serbia		
14:20 - 14:30	REJUVENATION OF SOIL ORGANIC CARBON THROUGH SOIL AMENDMENTS: A NOVEL		
	APPROACH TO MANAGING HEAVY METALS IN SOIL AND PLANTS		
	P. SENTHILVALAVAN ¹ , V. VINOTHKUMAR ¹ , M.V. SRIRAMACHANDRASEKHARAN ¹ , R.		
	MANIVANNAN ¹ , C. RAVIKUMAR ² , T. VASANTHAKUMAR ³		
	¹ Department of Soil Science and Agricultural Chemistry, Faculty of Agriculture, Annamalai		
	University, Annamalainagar, Tamilnadu, India, ² Department of Agronomy, Faculty of		
	Agriculture, Annamalai University, Annamalainagar, Tamilnadu, India, ³ Department of Chemical		
	Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalainagar,		
	Tamilnadu, India		
14:30 - 14:40	USE OF VEGATABLE OILS AS INSULATING DIELECTRIC LIQUID IN ELECTRICITY INDUSTRY		
	Ildikó BOCSI ¹ , Mária SZEBENI ¹ , Zoltán JUVANCZ ² *, Rita BODÁNÉ-KENDROVICS ² , Krisztina		
	DEMÉNY ² , Árpád KÁRPÁTI ³		
	¹ TPV Diagnosztikai és Kutató Kft [°] , Budapest, Hungary, ² Institute of Environmental Engineering		
	and Natural Sciences, Rejtő Sándor Faculty of Light Industry and Environmental Engineering,		
	Óbuda University, Budapest, Hunaary, ³ Environmental Engineering, Institute, University of		



"Global Environmental Development & Sustainability:

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	Pannonia, Hungary
14:40 - 1450	NEW TRENDS AND UTILISATION OF MATERIALS IN PROTECTION AGAINST FLOOD
	Lydia SOBOTOVA, Miroslav BADIDA, Veronika GUMANOVA
	Department of Engineering of Environment, Faculty of Mechanical Engineering, Technical
	University of Košice, Kosice, Slovakia
14:50 - 15:00	TOXICITY OF GRAPHENE OXIDE IN BIOLOGICAL SYSTEMS
	Asmaa RHAZOUANI ^{1,23*} , Halima GAMRANI ² , Khalid AZIZ ⁴ , Mustapha My BOUYATAS ² , Lhoucine GEBRATI ⁵ , Faissal AZIZ ^{1,3}
	¹ Laboratory of Water, Biodiversity & Climate Change, Faculty of Sciences Semlalia, Cadi Ayyad
	University, Marrakech, Morocco, ² Team of Neurosciences, Pharmacology and Environment
	(ENPE), Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco, ³ National
	Centre for Studies and Research on Water and Energy (CNEREE), Faculty of Technical Sciences,
	Cadi Ayyad University, Marrakech, Morocco, ⁴ Laboratory of Materials, Biotechnology, and
	Valorization of Natural Resources, Department of Chemistry, Faculty of Sciences, University Ibn
	Zohr, Agadir, Morocco, ⁵ Laboratory of Materials, Processes, Environment and Quality, Cadi
	Ayyad University, Safi, Morocco
15:00 - 16:00	Oral Technical Session (2)
	Chair: Zoltán JUVANCZ
15:00 - 15:10	EFFECTS OF LAND USE LAND COVER CHANGES ON HYDROLOGICAL SYSTEM IN THE CASE OF
	ETHIOPIA
	Anmut Enawgaw KASSIE
	Department of Natural Resources Management; Debre Markos University Burie Campus,
	Ethiopia
15:10 - 15:20	ENGINEERING OF HIGHLY BRACHYCHITON POPULNEUS SHELLS@POLYANILINE BIO-SORBENT
	FOR EFFICIENT REMOVAL OF PESTICIDES FROM WASTEWATER: OPTIMIZATION USING BBD-
	RSM APPROACH
	Khalid AZIZ ¹ , Rachid MAMOUNI ¹ , Nabil SAFFAJ ¹ , Faissal AZIZ ^{2,3}
	¹ Laboratory of Materials, Biotechnology, and Valorization of Natural Resources, Department of
	Chemistry, Faculty of Sciences, University Ibn Zohr, Agadir, Morocco, ² Laboratory of Water,
	Biodiversity & Climate Change, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech,
	Morocco, ³ National Centre for Studies and Research on Water and Energy (CNEREE), Faculty of
	Technical Sciences, Cadi Ayyad University, Marrakech, Morocco.
15:20 - 15:30	WATER CIRCULARITY TO ACHIEVE SDG 6 THROUGH TREATMENT OF WASTEWATER
	Sadhan Kumar GHOSH ^{1,2} , Dineshkumar M. ¹
	¹ Department of Mechanical Engineering, Jadavpur University, Kolkata, India, ² President,
	International Society of Waste Management, Air and Water (ISWMAW), Kolkata, India
15:30 - 15:40	REMOVAL OF PHENOLIC COMPOUNDS FROM OLIVE MILL WASTEWATER BY NOVEL LOW-COST
	BIOSORBENT: OPTIMIZATION OF PREPARATION CONDITIONS AND ADSORPTION PROCESSES
	Imane HAYDARI ^{1,2*} , Laila MANDI ^{1,2} , Amina LISSANEDDINE ^{1,2} , Khalid AZIZ ³ , Naaila OUAZZANI ^{1,2} ,
	Faissal AZIZ ^{1,2}
	¹ Laboratory of Water, Biodiversity, and Climate Change, Faculty of Sciences Semlalia, Cadi
	Ayyad University, Marrakech, Morocco. ² National Center for Research and Studies on Water and
	Energy (CNEREE), Cadi Ayyad University, Marrakech, Morocco, ³ Laboratory of Materials,
	Biotechnology, and Valorization of Natural Resources, Department of Chemistry, Faculty of
	Sciences, University Ibn Zohr, Agadir, Morocco.



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15:40 – 15:50	THE EFFECT OF SOIL COMPACTION UNDER DIFFERENT RATES OF BIOCHAR ON SOME PHYSICAL AND HYDRODYNAMICAL SOIL CHARACTERISTICS AND IN SOYBEAN (GLYCINE MAX L) PRODUCTIVITY Evan DAYOUB
	Department of soil and water sciences, Faculty of Agriculture / Tishreen University, Latakia, Syria.
15:50 - 16:00	SPATIAL EVOLUTION OF SURFACE WATER QUALTE, WADI KEBIR WATERSHED (North-East ALGERIA)
	H. BOUDRA¹, A. DROUICHE², F. ZAHI², F. BOUAICHA¹, W. MELOUAH³, W. BOUKHATEM¹ ¹ Geology and Environment Laboratory, University of Constantine 1, Road Ain El Bey Zouaghi Slimane Constantine, Algeria, ² Geological Engineering Laboratory (LGG), Mohammed Seddik Benyahia University, Jijel, Algeria, ³ Laboratory of Underground Oil, Gas and Aquifer Reservoirs, Faculty of Hydrocarbons, Renewable Energies and Earth and Universe Sciences Kasdi Merbah University, Ouargla, Algeria.
16:00 - 17:00	Oral Technical Session (3)
	Chair: Lóránt SZABÓ
16:00 - 16:10	REMOTE SENSING: DETERMINATION OF SOIL SALINITY IN MEDITERRANEAN REGION USING
	UNMANNED AERIAL VEHICLE
	Kaoutar LKIMA ^{1,2,3} , Francisco Pedrero SALCEDO ³ , Faissal AZIZ ^{1,2} *
	¹ Laboratory of Water, Biodiversity & Climate Change, Semlalia Faculty of Sciences, University
	Cadi Ayyad, Marrakech, Morocco, ² National Centre for Research and Studies on Water and Energy (CNEREE), University Cadi Ayyad, Marrakech, Morocco, ³ Department of Irrigation,
	CEBAS-CSIC, Campus Universitario de Espinardo, Murcia, Spain.
16:10 - 16:20	HYDROGEOLOGICAL STUDY OF THE SAF-SAF WATERSHED SKIKDA NORTH-EAST ALGERIA
10.10 10.20	Meriem BOUKHATEM, R. GUERIREM, N. CHABOUR, F. BOUAICHA, H. BOUDRA, S. CHELLAT Geology and Environement Laboratory, University of Constantine 1, Road Ain El Bey Zouaghi
	Slimane Constantine, Algeria.
16:20 - 16:30	FORAMINIFERS AS POLLUTION BIO-INDICATOR AT AL HARIQA OIL HARBOUR OF TOBRUK, LIBYA
	Eihab A.S. MOHAMED ¹ , Ahmed M. MUFTAH ^{2*} , Osama R. SHALTAMI ²
	¹ Jaowfe Company for Oil Technology, Ganfouda, Libya, ² University of Benghazi, Faculty of
	Science, Department of Earth Sciences, Benghazi, Libya.
16:30 - 16:40	PLASTICS CIRCULAR ECONOMY USING PYROLYSIS TECHNOLOGY
	Sadhan Kumar GHOSH ^{1,2} , Sampad Kumar DAS ¹
	¹ Department of mechanical Engineering, Jadavpur University, Kolkata, India, ² President,
46.40 46.50	International Society of Waste Management, Air and Water (ISWMAW), Kolkata, India.
16:40 - 16:50	OIL POLLUTION IN THE PORT OF BENGHAZI CITY AT NORTHEAST OF LIBYA Osama R. SHALTAMI ¹ , Fares F. FARES ¹ , Osama A. El-FALLAH ¹ , Farag M. EL OSHEBI ¹ , Hwedi
	ERRISHI ² and Salah S. El-EHFIFI ³
	¹ Department of Earth Sciences, Faculty of Science, Benghazi University, Libya, ² Department of
	Geography, Faculty of Arts, Benghazi University, Libya, ³ National Oil Corporation (NOC),
	Exploration Department, Libya.
16: - 17:00	THE INFLUENCE OF PROPANE-FUELED FLAME WEEDING ON MICROBIOLOGICAL PROCESSES IN
	THE SOIL
	Iryna GUMENIUK, Alla LEVISHKO, Olena DEMYANYUK, Oleksandr BOTSULA, Yevheniia TKACH Institute of Agroecology and Environmental management of National Academy of Agrarian
	Sciences of Ukraine, Kyiv, Ukraine.



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17:00 - 18:00	Poster Technical Session (1)			
	Chair: Hosam BAYOUMI HAMUDA			
17:00 -17:05	MODERN AGROTECHNOLOGIES OF CORN CULTIVATION IN CONDITIONS OF CLIMATE CHANGE			
	Olena DEMYANYUK ¹ , Lyudmyla SYMOCHKO ^{1,2} , Dmitry SHATSMAN ¹			
	¹ Institute of Agroecology and Environmental Management of NAAS, Kyiv, Ukraine,			
	² Uzhhorod National University, Faculty of Biology, Uzhhorod, Ukraine.			
17:05 – 17:10	CONNECTION BETWEEN EARTHWORMS AND SOIL PARAMETERS			
	Csaba CENTERI ^{1*} , Zsolt BIRÓ ¹ , Claudia Mária KING ¹ , Márton VONA ² , Viktória VONA ² , Barbara SIMON ³			
	¹ Institute of Wildlife Management and Nature Conservation, Hungarian University of			
	Agriculture and Life Sciences, Gödöllő, Hungary, ² Csernozjom Ltd., Hungary, ³ Institute of			
	Environmental Sciences, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary			
17:10 - 17:15	GREEN CHEMISTRY: IONIC LIQUIDS IN INDUSTRIAL APPLICATIONS			
	Cemile Ceren TOSUN ¹ , Arife Candas Adiguzel ZENGIN ^{2*}			
	¹ Uşak University, Leather, Textile and Ceramic Design Application and Research Center, 64000,			
	Uşak, Turkey, ² Ege University, Engineering Faculty, Leather Engineering Department, 35100,			
	Bornova, Izmir, Turkey.			
17:15 – 17:20	STUDY OF THE RECYCLING OF SOLID BARITE WASTES AS MAIN CONSTITUENT IN CERAMIC			
	COMPOSITION			
	Nedjima BOUZIDI ¹ , Athmane BOUZIDI ² , Omar DJEZAIRI ¹			
	¹ Laboratory of Materials Technology and Process Engineering (LTMGP), University of Bejaia,			
17: 20 – 17:25	Algeria, ² Electrical Engineering Laboratory (LGE), TarguaOuzemmour Road, Bejaia, Algeria. BIOINDICATION OF SOIL AS ADDITIONAL TOOL FOR ECOLOGICAL MONITORING			
17.20-17.25	Olga HAFIIYAK ¹ , Lyudmyla SYMOCHKO ^{1,2}			
	¹ Uzhhorod National University, Uzhhorod, Ukraine, ² Institute of Agroecology and Environmental			
	Management of NAAS, Kyiv, Ukraine.			
17:25 - 17:30				
	EXTRACT			
	R. MARIYCHUK ¹ , R. SMOLKOVÁ ¹ , A. ELIAŠOVÁ ¹ , L. GRISHCHENKO ² , V.V. LISNYAK ²			
	¹ Department of Ecology, Faculty of Humanities and Natural Sciences, University of Prešov,			
	Prešov, Slovakia, ² Faculty of Chemistry, Taras Shevchenko National University of Kyiv, Kyiv,			
17:30 – 17:35	Ukraine. AIR POLLUTION MODELLING SOFTWARE PERFORMANCE COMPARISON - A CASE STUDY OF			
17.50 - 17.55	KOMÁROM ROAD			
	Marko JOVANOV ¹ , Bushra AFTEH ² , Bogdana VUJIĆ ¹ , Una MARČETA ¹ , Jelena VUKOVIĆ ³			
	¹ University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia			
	² Department of Meteorology, Eötvös Loránd University, Budapest, Hungary			
	³ Faculty of Technology Zvornik, Republic of Srpska, Bosnia and Herzegovina			
17:35 – 17:40	MANAGEMENT AND SUSTAINABLE DEVELOPMENT OF ECOTOURISM DESTINATIONS			
	Vuk MIRČETIĆ ¹ , Predrag TODOROV ² , Adriana RADOSAVAC ^{3*}			
	Faculty of Applied Management, Economics and Finance, Belgrade, Serbia			
17:40 – 17:45	REPRODUCTION OF POTENTIAL SOIL FERTILITY AND THE STATE OF THE ENVIRONMENT AT			
	THE WASTE APPLICATION FROM PIG COMPLEXES			
	Stanislav DEHODIUK¹, Olena LITVINOVA², Dmytro LITVINOV², Yuliia BORKO¹ ¹ National Science Center «Institute of Agriculture NAAS Ukraine, Chabany, Ukraine;			
	² National University of life and environmental sciences of Ukraine, Chabany, Ukraine			
	National oniversity of hje and environmental sciences of oxiame, kylv, oxiame			



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17:45 – 17:50	7:50 INFLUENCE OF OXIDANTS ON SORPTION OF IRON IONS ON CLINOPTILOLITE Stepan MILYOVICH, Snanislav KREMSA				
	Uzhhorod National University, Uzhqorod, Ukraine.				
17:50 - 17:55					
17:50 – 17:55 HYDRAULIC INFRASTRUCTURES MANAGEMENT IN KETOU MUNICIPALITY IN REPUBLI BENIN (WEST AFRICA)					
	Léocadie ODOULAMI, Moranikédji Odile ADEBITE				
	Pierre PAGNEY Laboratory, Climate, Water, Ecosystem and Development LACEEDE / DGAT /				
17:55 – 18:00	 FASHS / 1 University of Abomey-Calavi (UAC), Cotonou, Republic of Benin (West Africa) FEASIBILITY OF USING GREEN TEA POWDER AS A NATURAL ANTIOXIDANT AND STEVIA AS A 				
17.55 - 18.00	SWEETENER IN NON-FERMENTED LAYER CAKE				
	Leyla NNATEGHI ¹ , Fatemeh ZAREI ² , Hosam E.A.F. BAYOUMI HAMUDA ³				
	¹ Department of Food Sciences and Industries, Faculty of Agriculture, Varamin-Pishva Branch,				
	Varamin, Iran, ² Food Sciences and Industries, Food and Drug Administration, Tehran, Iran,				
	³ Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light				
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary.				
	maastry and Environmental Engineering, Obaad Oniversity, Badapest, Hungary.				
	Day 2 – November 19, 2021				
09:00 - 10:00	Oral Technical Session (4)				
	Chair: Krisztina DEMÉNY				
09:00 - 09:10	EXAMINATION OF SATURATED HYDRAULIC CONDUCTIVITY USING GRADING CURVE				
	FUNCTIONS				
	Emőke IMRE ¹ , László NAGY ² , Zsombor ILLÉS ² , Ágnes BÁLINT ³ , Daniel BARRETO ⁴				
	¹ Hydro-Bio-Mechanical Systems Research Center, Óbuda University, Budapest, Hungary,				
	² Department of Engineering Geology and Geotechnics, Budapest University of Technology and				
	Economics, Budapest, Hungary, ³ Institute of Environmental Engineering and Natural Sciences,				
	Óbuda University, Budapest, Hungary, ⁴ Edinburgh Napier University, UK				
09:10 - 09:20	ENVIRONMENTAL ODOR PROBLEM IN HUNGARY, LEGISLATION, MEASUREMENT				
	POSSIBILITIES				
	Csaba ÁGOSTON				
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light				
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary				
09:20 - 09:30	ASSESSING SURFACE WATERS QUALITY OF EL MALLEH RESERVOIR				
	Nouhaila MAZIGH, Abdeslam TALEB, Nihal BAJI, Badr FATHI, Mohammed MOUKHLISS, Ali EL				
	BILALI				
	Laboratory of Environmental Process Engineering, Faculty of Science and Technology, University				
	Hassan 2, Casablanca, Morocco				
09:30 - 09:40	RECOVERY OF SCANDIUM FROM THE BAUXITE RESIDUE BY SOLVENT EXTRACTION				
	Ali Dawood SALMAN ^{1,2*} , Tatjána JUZSAKOVA ¹ , Moayyed G. JALHOOM ³ , Thamer Adnan				
	ABDULLAH ¹ , Phuoc-Cuong LE ^{4,5} , Endre DOMOKOS ¹				
	¹ Sustainability Solutions Research Lab, University of Pannonia, Veszprém, Hungary,				
	² Department of Chemical and Petroleum Refining Engineering, College of Oil and Gas				
	Engineering, Basra University, ³ Department of Production Engineering and Minerals, University				
	of Technology Baghdad-Iraq, ⁴ Institute of Research and Development, Duy Tan University,				
	Danang, Vietnam, ⁵ Faculty of Environmental and Chemical Engineering, Duy Tan University,				
	Danang, Vietnam.				



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09:40 – 09:50 EVALUATION OF TOXICITY AND BIOSORPTION FOR THE REMOVAL OF HEXAVALED			
	CHROMIUM USING FRESHWATER MICROALGAE		
	Karim SBIHI ^{1,2*} , Khalid AZIZ ³ , Faissal AZIZ ^{2,}		
	¹ Laboratory of Biotechnology, Materials and Environment, Natural Substances and Environment		
	Team, Polydisciplinaire Faculty, University Ibn Zohr, Taroudant, Morocco, ² National Centre for		
	Research and Study on Water and Energy (CNEREE), University Cadi Ayyad, Marrakech,		
	Morocco. ³ Laboratory of Materials, Biotechnology, and Valorization of Natural Resources,		
	Department of Chemistry, Faculty of Sciences, University Ibn Zohr, Agadir, Morocco, ⁴ Laboratory		
	of Water, Biodiversity & Climate Changes, Semlalia Faculty of Sciences, Marrakech, Morocco		
09:50 - 10:00	0 STABILITY OF THE SLOPES LINKED TO A NEO-TECTONIC ACTIVITY, MAHOUNA, NORTH-EAST, ALGERIA		
	H. BOUSBA ¹ , C. BENABBAS ² , Z. ZOUAK ¹ , R. MARMI ¹ , N. CHABOUR ¹ , S. CHELLAT ¹		
	¹ Laboratoire de géologie et environnement, Université Constantine 1, Constantine, Algérie,		
	² Université Salah Bou Bnider, Constantine 3, Constantine, Algérie.		
10:00 - 11:00	Oral Technical Session (5)		
	Chair: Csaba ÁGOSTON		
10:00 -10:10	IMPACTS OF CONTAMINATED WATER ON REAL ESTATE VALUES		
	Slimani CHAHID ¹ , Farhaoui MOHAMED ²		
	¹ Law School, Sidi Mohamed Ben Abdellah University, ESSOR Lab, Fes, Morocco		
	² Law School, Sidi Mohamed Ben Abdellah University, ESSOR Lab, Fes, Morocco.		
10:10 - 10:20	PHYSICO-CHEMICAL PROPERTIES OF THERMAL WATERS IN THE GUELMA REGION, NORTH-		
	EAST ALGERIA		
	M. HACID ¹ , K. BENMARCE ² , O. MELOUAH ³ , N. CHABOUR ¹		
	¹ Geology and Environment Laboratory, University of Constantine 1, Road Ain El Bey Zouaghi		
	Slimane Constantine, Algeria, ² Geosciences laboratory, university of Setif 1., Algeria, ³ Laboratory		
	of Underground Oil, Gas and Aquifer Reservoirs, Faculty of Hydrocarbons, Renewable Energies		
10:20 -10:30	and Earth and Universe Sciences Kasdi Merbah University, Ouargla, Algeria.		
10:20 -10:30	0 THE IMPORTANCE OF SUSTAINABLE DAIRY FUNCTIONAL FOOD PROCESSING Mohammad MOHAMMAD, Orsolya SZIGETI		
	Department of business and management, Hungarian University of Agriculture and Life Sciences		
	MATE, Kaposvár Campus, Gödöllő, Hungary		
10: 30 – 10:40	NEXUS BETWEEN THE MINERAL RESOURCES ABUNDANCE, RENEWABLE ENERGY POLICIES		
10. 50 10.40	AND ECONOMIC GROWTH, AND THEIR CONNECTION WITH CO2 EMISSIONS IN TRANSITION		
	COUNTIRES		
	Dina MALGAZHDAROVA ¹ , Imre NAGY ²		
	¹ Faculty of Economic Sciences, Hungarian University of Agriculture and Life Sciences, Hungary,		
	² Faculty of Sciences, University of Novi Sad, Serbia.		
10:40 - 10:50	URBAN AND INDUSTRIAL SURFACE WATER POLLUTION AND THEIR IMPACTS ON THE		
	ENVIRONMENT. CONSTANTINE CITY CASE STUDY, NORTH-EAST OF ALGERIA		
	Rima KIFOUCHE ¹ , K. BOUFAA ² , .F. BOUAICHA ¹ , O. BOUTERAA ¹ , H. SHOUT ¹		
	¹ Laboratoire de géologie et environnement, Université Constantine 1, Route Ain El Bey Zouaghi		
	Slimane Constantine, Algeria, ² Université Frères Mentouri Constantine 1, Algeria.		
10:50 - 11:00	THE QUALITY ASSESSMENT OF DRINKING WATER FROM DISTRICT ABBOTTABAD, KPK,		
	PAKISTAN		
	Zahid MEHBOOB ¹ , Nadia SHUJAHAT ¹ , Mukhtiar HUSAIN ¹ , Samiyah TASLEEM ²		
	¹ Department of Biochemistry, Faculty of Health Science, Hazara University Mansehrar, Pakistan,		
	² Department of Microbiology, FUUAST-Karachi and University of Karachi.Pakistan.		



"Global Environmental Development & Sustainability:

11:00 - 12:20	Oral Technical Session (6)			
11.00 12.20	Chair: Hosam BAYOUMI HAMUDA			
11:00 - 11:10	THE ROLE OF SYMBIOTIC INTERRELATIONS IN THE AVAILABILITY OF NUTRIENTS FOR FIVE			
11.00 - 11.10				
	COVER CROPS			
	Sundoss KABALAN, Katalin JUHOS, Javid AAQIB, Borbála BIRO			
	Doctoral School of Horticulture, Hungarian University of Agriculture and Life Science (MATE),			
44.40 44.20	Budapest, Hungary. A RELATION BETWEEN EXTREME DAILY PRECIPITATION AND EXTREME SHORT TERM			
11:10 - 11:20				
	PRECIPITATION			
	Yanina L. ROMERO ¹ , J. BESSEMBINDER ² , N.C. van de GIESEN ³ , F.H.M. van de VEN ³			
	¹ The Netherlands, ² Royal Netherlands Meteorological Institute, De Bilt, The Netherlands, ³ Water			
	Management, Faculty of Civil Engineering and Geosciences, Delft University of Technology,			
	Delft, The Netherlands.			
11:20 - 11:30	IMPACT OF BRASSWARE UTENSILS INDUSTRY ON THE ENVIRONMENT, CONSTANTINE,			
	NORTH-EAST OF ALGERIA			
	Amina BOUSSELIOU ¹ , N. CHABOUR ¹ , H. BELAIDI ¹ , I. BOUDRA ^{2,3,4} , S. CHELLAT ¹			
	¹ Geology and Environment Laboratory, University of Constantine 1, Constantine, Algeria			
	² Constantine 1 University, Department of Chemistry, Pollution and WaterTreatment Laboratory,			
	Constantine, Algeria, ³ August 1955 University of Skikda, Department of Chemistry, Skikda,			
	Algeria, ⁴ nvironmental Molecular and Structural Chemistry Research UnitConstantine, Algeria.			
11:30 - 11:40	A NOVEL-TYPE ANALYTICAL SOLUTION OF THE PROBLEM OF SIMULTANEOUS CONVECTION			
	AND MULTI COMPONENT DIFFUSION PROCESS THROUGH POROUS MEDIA			
	Ágnes BÁLINT ^{1,2} , István NIKOLÉNYI ³ , Csaba MÉSZÁROS ³			
	¹ Institute of Environmental Engineering and Natural Sciences, ² Hydro-Bio-Mechanical Systems			
	Research Centre, Óbuda University, Budapest, Hungary, ³ Department of Mathematics and Basic			
	Sciences, MATE, Gödöllő, Hungary			
11:40 - 11:50	SEPARATION STUDIES ON BINARY MIXTURE OF BIOMASS-DERIVED GAMMA-			
	VALEROLACTONE AND TOLUENE			
	Munaf AL-LAMI, László T. MIKA			
	Department of Chemical and Environmental Process Engineering/Budapest University of			
	Technology and Economics, Budapest, Hungary			
11:50 - 12.00	IMMOBILIZATION AND CHARACTERIZATION OF WATER-INSOLUBLE FE COMPLEXES AS			
	MOLECULAR CATALYSTS FOR WATER OXIDATION			
	Sahir M. AL-ZURAIJI ¹ , József S. PAP ²			
	¹ Surface Chemistry and Catalysis Department, Centre for Energy Research, Budapest, Hungary,			
	² Doctoral School on Materials Sciences and Technologies, Óbuda University, Budapest, Hungary			
12:00 - 12:10	DIFFERENT POLYMERS MODIFIED MAGNETIC MWCNTS FOR HYDROCARBONS REWMOVAL			
	FROM WATER			
	Thamer Adnan ABDULLAH ^{1,2} , Tatjana JUZSAKOVA ¹ , Ali D. SALMAN ¹ , Rashed T. RASHEED ² ,			
	Balázs ZSIRKA ³ , Sebestyen VIKTOR ¹			
	¹ Sustainability Solutions Research Lab, University of Pannonia, Veszprém, Hungary			
	² Chemistry Branch, Applied Sciences Department, University of Technology, Baghdad, Serbia,			
	³ Laboratory for Surface and Nanostructures (LASUNA), University of Pannonia, Veszprém,			
	Hungary			
12:10 - 12:20	DISSOLVED ORGANIC MATTER DIFFERENCES IN THE SOIL AS AFFECTED BY THE EXTRACTION			
12.10 12.20	METHOD			
	Thulfigar AL-GRAITI, Gergely JAKAB, Zoltán SZALAI			
	Department of Environmental and Landscape Geography Institute of Geography and Earth			



"Global Environmental Development & Sustainability:

Research, Engineering & Management"

	Sciences, Faculty of Science, Budapest, Hungary.		
12:20 - 13:20	Poster Technical Session (2)		
	Chair: Hosam BAYOUMI HAMUDA		
12:20 - 12:25	INFLUENCE OF VITERI VITERI 8-4-5 FERTILIZER ON SOWING QUALITIES OF CEREALS AND LEGUMIN CROPS SEEDS		
	Olga KICHIGINA, Mychailo ZOLOTOV, Olena DEMYANYUK, Yuliya TSYBRO		
12:25 – 12:30	Institute of Agroecology and Environmental Management of NAAS, Kyiv, Ukraine		
12:25 - 12:30	RICHNESS IN POLYMETALLIC MINERALISATION Fe, Pb, Zn, Ba AND HYDROTHERMAL SPRING OF MOUNT M'CID AICHA, TELLIAN ATLAS, NORTH-EAST OF ALGERIA		
	H. BELAIDI ¹ , S. MANSOURI ² , A. BOUZENOUNE ² , A. BOUSSELIOU ¹ , S. KITOUNI ³ , S. CHELLAT ¹		
	¹ Laboratoire de géologie et environnement, Université Constantine 1, Constantine, Algeria,		
	² Laboratoire de géni géologie (LGG), Université Mohamed El Sedik Ben Yahia, Jijel, Algeria,		
	³ Département Génie des Procédés, Faculté Génie des Procédés. Université Salah Boubnider		
	Constantine 3, Algeria.		
12:30 - 12:35	MORPHOTAXONOMICAL INVESTIGATION AND HORTICULTURAL APPLICABILITY OF FESTUCA		
	WAGNERI TAXA		
	Dániel BALOGH ^{*1} , Attila FŰRÉSZ ¹ , Éva Horváthné BARACSI ² , Gergely PÁPAY ¹ , Virág KALCSÓ ¹ ,		
	Károly PENKSZA ¹		
	¹ Department Of Botany, Hungarian University Of Agronomy And Life Sciences, Gödöllő,		
	Hungary, ² Institute for Horticulture, Hungarian University Of Agronomy And Life Sciences,		
12.25 12.40	Gödöllő, Hungary		
12:35 – 12:40	EVALUATION OF MICROAEROBIC AND AEROBIC XYLENE DEGRADATION POTENTIAL OF PSEUDOMONAS SP. STRAIN MAP12 AND SPHINGOBIUM SP. STRAIN AS12 ISOLATED FROM		
	PETROLEUM-CONTAMINATED GROUNDWATER OF SIKLÓS, HUNGARY		
	Sinchan BANERJEE ¹ , András TÁNCSICS ¹		
	Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and		
	Environmental Safety, Department Molecular Ecology, Gödöllő, Hungary		
12:40 - 12:45	IMPACT OF WASTE ON THE ENVIRONMENT STUDY OF POLLUTANTS STATISTIC AND		
	SOLUTIONS, CITY OF CONTANTINE, NORTH-EAST OF ALGERIA		
	H. BELAIDI ¹ , K. Belouad ¹ , A. BOUSSELIOU ¹ , S. KITOUNI ² , S. CHELLAT ¹		
	¹ Laboratoire de géologie et environnement, Université Constantine 1, Constantine, Algeria,		
	² Département Génie des Procédés, Faculté Génie des Procédés, Université Salah Boubnider		
42.45 42.50	Constantine 3, Algeria.		
12:45 – 12:50	Design Guidelines for Mechanically Stabilized Earth Wall Abdelwahab TAHSIN		
	Arab Consulting Engineers Office, Dokki, Giza, Egypt		
12:50 - 12:55	EFFECT OF ADDING POTASSIUM HUMATE AT DIFFERENT LEVELS OF MOISTURE TENSION IN		
12.50 12.55	SOME PHYSICAL PROPERTIES OF SOIL AND IN GROWTH OF ZEA MAIZE		
	Jihad IBRAHIM ¹ , Evan DAYOUB ²		
	¹ Department of Soil and Water Sciences, Faculty of Agriculture, Tishreen University, Lattakia,		
	Syria		
12:55 - 13:00	EDUCATION TO SUPPORT THE DEVELOPMENT OF A CIRCULAR ECONOMY APPROACH		
	Rita BODÁNÉ-KENDROVICS		
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light		
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary		
13:00 - 13:05	THE HYDROGEN IS HOPE AND REALITY		
	Lóránt SZABÓ		
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light		



"Global Environmental Development & Sustainability:

Research, Engineering & Management"

	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
13:05 - 13:10	INFLUENCES OF MICROBIAL ACTIVITIES IN THE INSECTICIDES TREATED SOIL			
	Bence AKLI, Hosam E.A.F. BAYOUMI HAMUDA			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
13:10 - 14:30	Oral Technical Session (7)			
	Chair: Sándor J. ZSARNÓCZAI			
13:10 - 13:20	LITHIUM AND HEAVY METAL CONCENTRATION ANALYSIS IN SAJÓ VALLEY			
	Ágnes BÁLINT ^{1,2} , Péter, LENGYEL ³ , Péter ENDRŐDY ³ , Csaba MÉSZÁROS ⁴			
	¹ Institute of environmental Engineering and Natural Sciences, ² Hydro-Bio-Mechanical Systems			
	Research Centre, Óbuda University, Budapest, Hungary, ³ Szent István University, Gödöllő,			
	Hungary, ⁴ Department of Mathematics and Basic Sciences, MATE, Gödöllő, Hungary.			
13:20 – 13:30	ENVIROMENTAL AND ECOLOGICAL IMPACTS OF ILLEGAL DUMPING			
	Bianka Júlia HORVÁTH, Hosam E.A.F. BAYOUMI HAMUDA			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
13:30 - 13:40	BIOMONITORING OF LICHEN AS A BIOINDICATOR OF ATMOSPHERE QUALITY IN			
	ULAANBAATAR, MONGOLIA			
	Tsend-Ayush ERDENEJARGAL, Hosam E.A.F. BAYOUMI HAMUDA			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
13:40 – 13:50	ANALYSING OF ANTHROPOGENIC IMPACTS IN SEMI-NATURAL AREA			
	Krisztina DEMÉNY			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
12.50 14.00	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
13:50 – 14:00				
	Zeinab ESMAIL Aechitecure, Ybl Miklós Faculty of Building Science, Óbuda University, Budapest, Hungary			
14:00 - 14:10	CLIMATIC CHANGES AND NATURAL DISASTERS AFFECTING THE GLOBAL ENVIRONMENT			
14.00 - 14.10	Hosam E.A.F. BAYOUMI HAMUDA			
	Institute of Environmental Engineering and Natural Sciences, Rejtő Sándor Faculty of Light			
	Industry and Environmental Engineering, Óbuda University, Budapest, Hungary			
14:10 - 14:20	WATER MANAGEMENT IN SELECTED EU MEMBER STATES IN 2010S			
14.10 14.20	Sándor J. ZSARNÓCZAI ¹ *, Balázs MEDVECZKY ²			
	¹ Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering,			
	Institute of Environmental Engineering and Natural Sciences, Budapest Hungary, ² Hungarian			
	University of Agriculture and Life Sciences, Doctoral School of Economic and Regional Sciences			
14:20 - 14:30	SOME CASES OF BACKWARD EROSION/LIQUEFACTION PIPING FROM HUNGARY			
14.20 14.30	Emőke IMRE ¹ , Edina KOCH ² , Ágnes BÁLINT ^{3,1} , László NAGY ⁴ , Zsombor ILLÉS ⁴ , Daniel BARRETO ⁵			
	¹ Hydro-Bio-Mechanical Systems Research Center, Óbuda University, Budapest, Hungary,			
	² Széchenyi István University, Győr, Hungary, ³ Institute of Environmental Engineering and			
	Natural Sciences, Óbuda University, Budapest, Hungary, ⁴ Department of Engineering Geology			
	and Geotechnics, Budapest University of Technology and Economics, Budapest, Hungary,			
	⁵ Edinburgh Napier University, UK			
	Closing Ceremony			



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November 18 – 19, 2021 RKK – Óbuda University, Budapest, Hungary ISBN: 978-963-449-256-6 www.iceee.hu

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 - The participants will have the link of the Conference
 - The time of the Conference is related to the Hungarian time.
 - Please check the time with your time at home
- 🔸 🔹 The time is very limited
- The official language of all the presentations including oral or poster speaker is English
- Please make yourself available at least 30 minutes before your scheduled talk time
- While joining the conference, please make sure you give permissions for the Screen sharing, Microphone & speakers to reduce the technical issue later.
- In case you have any query, we will help you out with the Setup once you will join the Meeting.
- The presentation will be done through your Screen sharing.

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Presentation Type:		Total Allotted Time:
•	Plenary speaker	30 min
•	Keynote speaker	20 min
•	Featured speaker	10 min
•	Poster	5 min

The deadline for sending the full manuscript is extended to be November 28, NO MORE EXTENSION

The next scientific MEETING WILL BE ON the VI. International Symposium-2022 which will be during the 5th and 6th of May, 2022 in Budapest. The title of the Symposium is Environment Safety and Security of Biosphere.

*****Good Luck*****