

MENA Webinar 2021
on
Water-Soil-Food Pollution

Part I – Tuesday, 25 May 2021
Part II – Tuesday, 01 June 2021



KEYNOTE SPEAKERS

Dr. Aleksandra Drizo

- UNEP/MAP - MEDPOL Consultant - UN Environment/Mediterranean Action Plan (MED POL)
- CEO Water and Soil Solutions International Ltd.
- Expert Evaluator EU Commission



Prof. Flavio Martins

- Professor at the Institute of Higher Engineering, Department of Mechanical Engineering, University of Algarve



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INTRODUCTORY NOTE

With the evolution of modern industries, very large number of chemicals of various types are commercially produced annually on a large scale. Many of these chemicals are harmful to the environment especially those with great persistence for degradation where they remain for a long time. Misuse of these chemicals in form of quantities and qualities can become a source of pollution in air, soil and water, with serious consequences for the health.

Environmental pollution is an important issue of our time as many pollutants were emerged into the environment from different anthropogenic sources. Exposure of living organisms to elevated levels of these pollutants will have an adverse impact health through its existence in water, soil, air paving the way for these pollutants to enter the food chain.

Pollution can reach human bodies through different routes such as breathing the air, drinking water, accumulation in soil through using polluted irrigation water as well as dry deposition where it can reach the food chain. It had been reported seventy percentage of individuals are exposed to PAHs predominantly from dietary sources, therefore diets require continuous monitoring to maintain food safety.

Air, soil and water quality are important factor for food contamination as plants use all three components for growth and fruit production. In order to increase yield and to improve quality of fruits and vegetables, application of various types of pesticides had been used globally in agriculture for pest control whereas over-application of pesticide are considered to be the most important factors impacting on food safety. In some regions this has caused serious agricultural land and food pollution, especially when safe instructions are not applied. Other pollutants are produced from anthropogenic activities such as PAHs, PCBs, heavy metals, micro plastic and others. All of these pollutants can issues threatening food safety such as combined pesticide residues and other pollutants which can address a risks to human health.

On behalf of *EXCEED* SWINDON we cordially invite you to take part in the International conference on Water, Soil and Food pollution on **DATE**. The conference will convene leading international experts from MENA region as well as from other exceed-SWINDON regions to discuss issues related to this topic.

ORGANISATIONAL NOTE

The webinar will take place online on 25/05/2021 and 01/06/2021 from 10:00 am to 13:00 pm (German time) and will be conducted in English. The attendance is free.

ORGANISING COMMITTEE

Prof. Zeinab Abou Elnaga (MENA Regional Coordinator), Mansoura University
Prof. Souad El Hajjaji, Mohammed V University in Rabat
Prof. Kemal Gunes, TÜBITAK
Prof. Anwar Jiries, Mutah University
Prof. Ahmed Hassan, Ain Shams University
Prof. Andreas Haarstrick, Technische Universität Braunschweig

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PROGRAMME PART I

Time = MET (Amsterdam, Berlin, Bern, Brussels, Madrid, Paris, Rome, Stockholm, Vienna)

Tuesday, 25 May 2021			
Date	Time	Activity	Details
Part I	10:00	Welcome Address	Prof. Zeinab Abou Elnaga Prof. Souad El Hajjaji
	10:05	Introduction (exceed-Swindon project)	Prof. Andreas Haarstrick
	10:20	Keynote: Prof. Flavio Martins <i>The Role of Water Forecasting Systems in the Control of Pollution in Shellfish Farms</i> Questions (10 min.)	Part I MENA Region
	11:00	Dr. Mohamed Fahmy, Ain Shams University (15 min.): <i>Integrated sustainable system for improving groundwater quality in El-Bahariya Oasis, western desert</i>	
		Prof. Anwar Jiries, Mutah Univ. (15 min.): <i>Water soil and food pollution in Jordan</i>	
		Dr. Hela Karoui, 2iE (15 min.): <i>Water and climate change in Tunisia: AfriAlliance experience</i>	
Prof. Lekhlif Brahim (15 min.): <i>Situation of the environment in Morocco</i>			
13:00	Dr. Cihangir Aydoner, TUBITAK MRC (15 min.): <i>GIS-based decision support systems in environmental pollution management</i>		
	Questions and Discussion (45 min.)		
13:00	Closing		

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PROGRAMME PART II

Time = MET (Amsterdam, Berlin, Bern, Brussels, Madrid, Paris, Rome, Stockholm, Vienna)

Tuesday, 01 June 2021			
Date	Time	Activity	Details
Part II	10:00	Welcome Address	Prof. Zeinab Abou Elnaga Prof. Souad El Hajjaji
	10:05	Introduction (exceed Swindon project)	Prof. Andreas Haarstrick
	10:20	Keynote: Dr. Aleksandra Drizo <i>Challenges for aquaculture production in the perspective of the food-energy-water nexus</i> Questions (10 min.)	Part II Other exceed-SWINDON network regions
	11:00	Elvis Carissimi, Univ. of Santa Maria, Brazil (15 min): <i>Challenges and opportunities in the removal of fluoride ions in groundwater: a case study in southern Brazil</i>	
		Jose Araruna, PUC Rio de Janeiro, Brazil (15 min): <i>Irrigation Dam Inspection</i>	
11:00	Seifu Tilahun, Bahir Dar Univ., Ethiopia (15 min): <i>Pesticide polluted water in Ethiopia</i>		
	Chrispin Kowenje, Maseno University, Kenya (15 min): <i>Geo-ecological impact of siltation on phytoplankton bloom in Lake Victoria, Kenya</i> Questions and Discussion (45 min.)		
12:15	Closing		

MENA Regional Network Members

<p>Agronomic and Veterinary Institute Hassan II (Morocco) Ain Shams University (Egypt) Akdeniz University (Turkey) Institute of Agronomic Sciences of Chatt-Meriem (Tunisia) Mansoura University (Egypt) Mohammed V University in Rabat (Morocco) Mutah University (Jordan)</p>	<p>National Institute of Research and Physical-chemical Analysis INRAP (Tunisia) Necmettin Erbakan University (Turkey) Tübitak (Marmara Research Centre, Turkey) University of Jordan (Jordan) Yildiz Technical University (Turkey) Zagazig University (Egypt)</p>
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