

Water Management for Coastal Communities

Schedule - Summer School, October 2 - 8, 2016

Date	Time	Schedule	Details
02/10	Sunday	Arrival	Transfer to Hotel (Cevahir Hotel Istanbul Asia, Maltepe İstanbul -Turkey)
03/10	Monday		
	09.30 –10.30	Welcome note Short Introduction – TUBITAK MRC ECPI The new Exceed-Swindon Project Water management in MENA region	Assoc. Prof Dr. Murat Makaracı, Vice President TUBITAK MRC Dr.Selma Ayaz, Director TUBITAK-MRC ECPI Prof. Dr. Andreas Haarstrick TU Braunschweig Head Office Prof. Dr. Bülent Topkaya Akdeniz University, Head Env. Eng. Dept.
	10.30 – 11.00	Coffee Break	
	11.00 – 11.45	Water Reuse in Industry – Necessity and Optimisation	Prof. Dr. Andreas Haarstrick
	11.45 - 12.30	Advices on Wastewater Treatment Plant Design	Prof. Dr. Ahmet Saatçi
	12.30 – 14.00	Lunch	
		Student Presentations 1: Treatment	Moderator: Prof. Dr. Bülent Topkaya
	14.00 – 15.20*	Implementation of Asm2D Mathematical Model for Carbon, Nitrogen and Phosphorus Removal in a Sequencing Batch Reactor (SBR)	Laise Alves Candido
		Growth of Chlorella Vulgaris and Desmodesmus Subspicatus in High Concentrated Municipal Sewage for Nutrients Removal and Biomass Gain	Silvia Barbosa
		Drug Adsorption by Treated Biomass	Imane Abourouh
		Phosphate-Clay Mixture as Adsorbent for Carbofuran	Ahmed El Hadki
	15.20 – 16.00	Coffee Break	

Student Presentations 2: Groundwater Management		Moderator: Prof. Dr. Andreas Haarstrick
16.00 – 17.20*	Groundwater Quality Assessment of Oued Rmel Aquifer (Northeastern of Tunisia) for Agricultural Irrigation Uses, Using GIS Technology	Meriem Ameur
	Groundwater Management of Jeffara of Medenine (South-Eastern Tunisia): Flow Modeling Using Modflow	Fadoua Hamzaoui
	Management of Nitrate Groundwater Agricultural Pollution : Application to Altinova Antalya	Selma Bař
	Assessment of Vulnerability of Groundwater to Pollution in Agricultural Karstic Regions: Antalya Altinova Region Application	Ahmet il
19.00 –	Dinner (at Cevahir Hotel)	
04/10 Tuesday		
09.00 – 9.45	Disinfection and Chemical Oxidation for Water and Wastewater Treatment	Prof. Dr. Mirat Grol
09.45 – 10.30	Wastewater treatment and reuse- Membrane Processes	Prof. Dr. Mehmet Kitiř
10.30 – 11.00	Coffee Break	
11.00 – 11.45	Water Footprint Methodology As Decision Support Tool	Prof. Dr. Blent Topkaya
11.45 – 12.30	Integrated Watershed Management for Coastal Areas – A Case Study	Prof. Dr. Ayřegl Tanık
12.30 – 14.00	Lunch	
Student Presentations 3: Reuse		Moderator: Prof. Dr. Mehmet Kitiř
14.00 – 15.40*	Impact of the Reuse of Reclaimed Wastewater on the Irrigation System and Turf Grass in Ocean Golf Course, Agadir, Morocco	Hajar Benlouali
	Wastewater Treatment and Water Reuse Systems for Nigerian Cities	Stephen Akintayo
	Water and Wastewater Management and Reuse for Coastal Zones	Oluwaseun Olaseinde
	Potential of Wastewater Reuse for Small Irrigation in Rural Coastal Area of Thua Thien Hue Province, Viet Nam	Quang Loc Tran

		Water Reuse (Grey Water)	Mahmoud Mohamed Abdelmomen Elsayed
	15.40 – 16.00	Coffee Break	
	Student Presentations 4: Water Quality Management		Moderator: Prof. Dr. Mehmet Kitiş
	16.00 – 17.00*	Impact of Brine on the Plankton Community in Hurghada, Red Sea, Egypt	Aaala Amr
		Study of The Evolution of the History of Water Quality Complaints in Casa-Anfa Years 2013-2014-2015	Sara Jaddoudi
		Coastal Water Pollution	Emrah Onur Tatli
	19.00 –	Dinner (at Cevahir Hotel)	
05/10	Wednesday		
	09.00 – 13.00	Technical Excursion – part I Istanbul Paşaköy Advanced Biological Wastewater Treatment Plant	Dr. Selma Ayaz, Dr. Sedat Yalçınkaya, Dr .Burcu Uyuşur, Dr. Ahmet Baban
	13.00 – 14.00	Lunch (at TUBITAK MRC)	
	14.00 – 17.00	Technical Excursion – part II TUBITAK MRC laboratories, Balçık Natural Wastewater Treatment Plant	Dr. Selma Ayaz, Dr. Sedat Yalçınkaya, Dr .Burcu Uyuşur, Dr. Ahmet Baban
	17.00-18.00	Return to the Hotel	
	19.00 –	Dinner (at Cevahir Hotel)	
06/10	Thursday		
	09.00 – 09.45	Monitoring of sewerage systems by employing biosamples	Prof. Dr. Mehmet Emin Aydın
	09.45 – 10.30	Salt water intrusion	Assoc. Prof. Dr. Ahmet Dogan
	10.30 – 11.00	Coffee Break	
	11.00 – 11.45	Catchment Basin Management – Case Studies	Dr. Burcu Uyuşur Kiran
	11.45 - 12.30	Sustainable Water Management Technologies - Case Studies	Assoc. Prof. Dr. Ahmet Baban
	12.30 – 14.00	Lunch	

Student Presentations 5: Water Resources Management		Moderator: Dr.Burcu Uyuşur
14.00 – 15.40*	Water Management in Coastal Zones	Morad Abdelsalheen
	Integrated Water Resources Management as Part of the Integrated Coastal Zone Management Plans in Egypt	Ahmed Balah
	Assessment of Water Potential of Guang Watershed, Ethiopia for Sustainable Use of Water	Gizachew Tiruneh
	Difficulties Raised By The Integrated Water Resources Management, Case Study Of Wed Hamdoun	Khouloud Ben Youssef
	Sustainable Urban Water Management: Antalya Konyaalti Case Study	Özge Özen
15.40 – 16.00 Coffee Break		
Student Presentations 6: Water Economics and Policy		Moderator: Dr. Sedat Yalcinkaya
16.00 – 17.20*	The Impacts of Climate Change on Environment	Ahmed Teleb
	How to create employment in the Water Sector: Morocco case study?	Narjiss Araba
	Water Policy of Turkey and Relations with the Eu Legislation	Necati Berk Bıtrak
	Analysis of Economic Level of Leakage in Water Distribution Networks: Antalya Kaleiçi Case Study	Oğuzhan Gülaydın
19.00 – Dinner (at Cevahir Hotel)		
07/10 Friday		
09.00 – 09.30	Wastewater Management in Tourism Centers	Dr. Selda Murat Hocaoğlu
09.30 – 10.10	Integrated Monitoring for Coastal Zones – WFD – MSFD	Assoc. Prof. Dr. Çolpan Beken / Dr. Mustafa Mantıkçı
	Introductory video: Resarch Vessel TUBITAK MARMARA	
10.10 – 10.30 Coffee Break		
10.30 – 11.10	Ballast Water Management Film: Invaders From the Sea, a BBC Worldwide-IMO Production	Dr. Arzu Olgun
11.10 - 12.00	Wastewater Management in Coastal Areas in Turkey	Gülşen Avaz

	Building GIS Database for Turkey in accordance with the EU Directives	Dr. Cihangir Aydoner / Ömer Visali Sarikaya / Aslı Süha Dönertaş
12.00 – 14.00	Lunch	
14.00 - 14.30	SPICOSA – Science and Policy Integration for Coastal System Assessment Case study – Izmit Bay Example for ICZM	Dr. Leyla Tolun / Dr. Ahmet Baban / Aslı Süha Dönertaş
14.30 – 16.30	Case study – Izmit Bay example for ICZM	Group Work (Drinks and refreshments will be provided)
16.30 – 17.00	Case study – Izmit Bay example for ICZM	Group Presentations
17.00 – 17.30	Closing comments - participants evaluation	Prof. Dr. Bülent Topkaya, Dr. Burcu uyuşur, Dr. Ahmet Baban, Dr. Sedat Yalcinkaya
	19.00 – Dinner (at Cevahir Hotel)	
08/10	Saturday	Departures

***Presentation of participants – participants own research work within the relevant topic (15 min. presentation + 5 min. discussion for each participant- approximately)**

Locations

Hotel	Cevahir Hotel Istanbul Asia, Maltepe İstanbul -Turkey	Content / Organization Dr. Burcu Uyusur-Kiran Dr. Sedat Yalcinkaya Assoc. Prof. Dr. Ahmet Baban TÜBİTAK Marmara Research Center Environment and Cleaner Production Institute 41470 Gebze Kocaeli TURKEY Tel: +90 262 677 2000 E-Mail: burcu.uyusur@tubitak.gov.tr E-Mail: sedat.yalcinkaya@tubitak.gov.tr E-Mail: ahmet.baban@tubitak.gov.tr Prof. Dr. Bulent Topkaya Akdeniz University, Turkey E-Mail: btopkaya@hotmail.com
Event Venue	Cevahir Hotel Istanbul Asia, Maltepe İstanbul -Turkey	
TUBITAK MRC Environment and Cleaner Production Institute	TUBITAK Gebze Yerleşkesi Marmara Araştırma Merkezi Barış Mah. Dr. Zeki Acar Cad. No:1, 41470 Gebze Kocaeli Tel : +90 262 677 20 00	

Technical Excursion part- I	Waste water treatment plant of Balçık Village Kocaeli Pre-treatment, anaerobic digestion, series of constructed wetlands serving population of 2000.	Technical Excursion part- I	Paşaköy wastewater treatment/reuse plant Advanced wastewater treatment plant, biological nutrient removal, sand filtration UV disinfection, sludge handling, odour control facilities, co-generation unit, re- recycle. www.iski.istanbul/web/tr-TR/kurumsal/iski-hakkinda/aritma-tesisleri/atiksu-aritma-tesisleri/pasakoy-atiksu-aritma-tesisi
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Technical Excursion part- II	TUBITAK MRC Gebze Kocaeli Pilot treatment facilities, phosphorus removal by adsorption, http://mam.tubitak.gov.tr/en	Technical Excursion part- II	TUBITAK MRC Gebze Kocaeli Environment and Cleaner Production Institute Laboratories http://mam.tubitak.gov.tr/en
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