



WORKSHOP ON

Integration of Wastewater Recovery with Renewable Technologies

We are honored for your participation
in our workshop, which will be hybrid.

FEBRUARY | **24- 25** | 2022

VENUE : **YILDIZ TECHNICAL UNIVERSITY
OTAĞ-I HÜMAYUN**



24th February 2022 Thursday

10:00-10:20	Opening speech and project description	Prof. Eyüp Debik (Yildiz Technical University)
10:20-10:35	Feasibility of alternative wastewater treatment technologies suiting Turkish industry	Dr. Abhishek Tiwary (De Montfort University)
10.35-11:00	Reuse of treated wastewater in Turkey	Ahmet Doğan (Republic of Turkey Ministry of Environment Urbanization and Climate Change, Directorate General of Environmental Management)
11:00-11:15	Discussion	
11:15-11:30	Coffee break	
11.30-11:45	Results of the project regarding reuse of used waters	Yusuf Başaran (Republic of Turkey Ministry of Agriculture and Forestry, Directorate General for Water Management, Head of Research and Evaluation Department)
11:45-12:00	Evaluation of recovery Potentials of wastewater treatment plants	Hüseyin Baran Gelgör (Yildiz Technical University)
12:00-12:30	Technical overview of wastewater treatment processes and techniques used in the UK-1	Dr. Ian Paton (Wamas Ltd.)
12:30-12:45	Discussion	
12:45-14:00	Lunch	
14:00-14:15	Screening of emerging pollutants in wastewater treatment plants in Kocaeli by non-target analysis	Dr. Kubra Ulucan-Altuntas (Yildiz Technical University University of Padova)
14:15-14:30	Treating persistent organic pollutants (POPs) using the DMU Fenton catalyst	Prof. Katherine Huddersman (De Montfort University)
14:30-14:45	Wastewater Recovery in Kocaeli	Taner Alkay (Kocaeli Metropolitan Municipality ISU Manager of Wastewater Facilities Division)
14:45-15:00	ISKI wastewater treatment plants recovery water applications	Dr. M. Mevra Yalvaç İşseveroğlu (ISKİ Tuzla Advanced Biological Wastewater Treatment Plant Operation Chief)
15:00-15:15	Discussion	
15:15-15:30	Coffee break	
15:30-15:45	Renewable Energy integration and future potentials for arid regions	Sameer El Naimat (De Montfort University)
15:45-16:15	Technical overview of wastewater treatment processes and techniques used in the UK-2	Dr. Ian Paton (Wamas Ltd.)
16:15-16:30	Discussion	

25th February 2022 Friday

10:00-10:15	YTU-Technopark University Industry Collaborations	Elif Burcu Atçı (Yildiz Technical University - Technopark)
10:15-10:30	Output parameters prediction of wastewater treatment plants with machine learning methods	Prof. Ersoy Öz (Yildiz Technical University)
10:30-10:45	Applications of recovery and reuse of industrial wastewater in Turkey	Dr. Recep Partal (TÜBİTAK Marmara Research Center - MAM)
10:45-11:00	Discussion	
11:00-11:15	Coffee break	
11:15-11:30	Use of reclaimed water in agricultural irrigation: Konya Closed Basin case study	Hatice Taner Özer (Turkish Water Institute - SUEN)
11:30-12:00	Electrochemical Peroxidation (ECP) of wastewater-1	Dr. Ian Paton (Wamas Ltd.)
12:00-12:15	Discussion	
12:15-14:00	Lunch	
14:00-15:00	Electrochemical Peroxidation (ECP) of wastewater-2	Dr. Ian Paton (Wamas Ltd.)
15:00-15:15	Discussion	
15:15-15:30	Closing	