



# E-WORKSHOP ON ZERO WASTE

10<sup>th</sup> April 2025  
09:00 – 16:45 (TRT) UTC+3

## AGENDA (Online Meeting)

09:00 - 09:20	<b>Opening Speech</b>	
	<b>TÜBİTAK Representative (10 Min)</b>	
	<b>Ambassador Dr. Muhammad Nafees Zakaria</b> , Executive Director COMSATS (10 Min)	
09:20 - 09:30	<b>TÜBİTAK MAM Introduction Presentation (10 Min)</b>	
	<b>Session 1: Waste-To-Resource Technologies (Moderator: Dr. Samet Feyyaz HAMAMCI)</b>	
	<b>Presentation Title</b>	<b>Speaker</b>
09:30 - 09:50	<i>Microplastic Pollution in Polar Regions and Oceans</i>	<i>Prof. Dr. Burcu ÖZSOY, TÜBİTAK MAM President</i>
09:50 - 10:10	<i>Plant-Based Proteins from Agro-Food Industry Waste</i>	<i>Dr. Emine Aytunga ARIK KİBAR, Food Technologies Research Group</i>
10:10 - 10:30	<i>Valorization of Agricultural Waste for Economic and Environmental Benefits</i>	<i>Dr. Öznur KARAOĞLU, Food Technologies Research Group</i>
10:30 - 10:45	<b>Q&amp;A Session (15 Min)</b>	
10:45 - 11:00	<b>Short Break (15 Min)</b>	
11:00 - 11:20	<i>Recovering Bioactive Compounds from the Wastes of Olive Value Chain</i>	<i>Assoc. Prof. Erdal ERTAŞ, Food Technologies Research Group</i>
11:20 - 11:40	<i>Energy and Raw Material Recovery from WWT Sludge as a Conceptual of Zero Waste</i>	<i>Dr. Özgür DOĞAN, Resource Efficiency and Clean Energy Research Group</i>
11:40 - 12:00	<i>Turning Waste into Wealth: Pyrolysis for Sustainable Circular Value Chains in Agriculture</i>	<i>Assoc. Prof. Işıl IŞIK GÜLSAÇ, Resource Efficiency and Clean Energy Research Group</i>
12:00 - 12:15	<b>Q&amp;A Session (15 Min)</b>	
12:15 - 12:30	<b>Short Break (15 Min)</b>	
12:30 - 12:50	<i>Biomass to H<sub>2</sub>: Hydrogen Production via Biomass Gasification</i>	<i>Dr. Yeliz ÇETİN, Resource Efficiency and Clean Energy Research Group</i>
12:50 - 13:10	<i>Obtaining High Purity Methane Gas from Biogas with a MOF-Based Adsorbent System</i>	<i>Senem SEZER, CBRN Defence Technologies Research Group</i>
13:10 - 14:10	<b>Lunch Break (1 hour)</b>	
	<b>Session 2: Waste Management And Recycling (Moderator: Dr. Samet Feyyaz HAMAMCI)</b>	
14:10 - 14:30	<i>Sustainable Waste Management and Recycling: Focus on Refining of Used Oils</i>	<i>Dr. Volkan PELİTLİ, Resource Efficiency and Clean Energy Research Group &amp; Chemical Process Technologies Research Group</i>
14:30 - 14:50	<i>Non-Contact Measurement Methods of the Sludge for the Purpose of Dewatering Process Control</i>	<i>Assoc. Prof. Selda MURAT HOCAOĞLU, Climate Researches and Water Management Research Group</i>
14:50 - 15:10	<i>Water and Wastewater Treatment and Recovery of Valuable Chemicals with Membrane Technologies</i>	<i>Dr. Mehmet DİLAVER, Climate Researches and Water Management Research Group</i>
15:10 - 15:25	<b>Q&amp;A Session (15 Min)</b>	
15:25 - 15:40	<b>Short Break (15 Min)</b>	
15:40 - 16:00	<i>Recycling of Critical Raw Materials in Hydrogen Production Processes: The Boron Example</i>	<i>Dr. Emin OKUMUŞ, Dr. Çiğdem KARADAĞ, Hydrogen and Fuel Cell Technologies Research Group</i>
16:00 - 16:20	<i>The Use of Molecular Methods to Monitor Changes in Biodiversity in Environmentally Hot Spot Areas and to Develop Biotechnological Solutions</i>	<i>Dr. Gülsima Dilek USLUER GÜÇLÜ, Marine Research and Technologies Research Group</i>
16:20 - 16:40	<i>Identification and Reporting of Beach Litter from Drone Images Using AI</i>	<i>Dr. Cihangir AYDÖNER, Marine Research and Technologies Research Group</i>
16:40 - 16:45	<b>Closing Remarks (5 min)</b>	