

**THE 16<sup>th</sup> QATAR UNIVERSITY LIFE SCIENCES SYMPOSIUM (QULSS 2023)**  
**ECO-FRIENDLY SUSTAINABLE SOLUTIONS FOR A GREEN DESERT ENVIRONMENT**

**Workshop One: Monitoring Environmental Water Quality**

<b>Time</b>	<b>Session</b>	<b>Moderator/s</b>
<b>2:00-2:25</b>	<b>Waste water and microbiological testing</b> <i>Session objective:</i> Participants will gain a clear understanding of the type of wastewater, where it originates and their diverse pollutants and substances it may contain as well as microbiological testing techniques used in water quality check, ensuring its safety and compliance with regulatory limits	Aziza AlNaimi (Biological Researcher)
<b>2:25-2:45</b>	<b>Microbiological testing practice</b> <i>Session objective:</i> Participants will get the knowledge and skills by practical experiments and exercises	Awatif Al-Rwaili (Chemical Engineer ) Manju Ann Mathews (Biological lab Technician)
<b>COFFEE BREAK</b>		
<b>3:00-3:15</b>	<b>Chemical testing methods for wastewater</b> <i>Session objective:</i> Participant will be familiarized with most applicable water quality testing for the determination of chemical pollutants in water	Mariam Rustom (Senior Chemical Specialist) Noura AlDehaimi (Chemical Engineer)
<b>3:15-3:30</b>	<b>Water recycling and reuse</b> <i>Session objective:</i> Participants will have a comprehensive understanding of how to implement and manage wastewater recycling system, contributing to sustainable water resources management	Awatif Al-Rwaili (Chemical Engineer )
<b>BREAK (to move to mobile Lab)</b>		

<b>3:45-4:15</b>	<b>Physico-chemical and microbiological testing practice</b> <i>Session objective:</i> Participants will get the knowledge and skills by practical experiments	Aziza AlNaimi (Biological Researcher) Maha Al-Dahabj (Environment Researcher) Reenad Alathba (Chemical Engineer) Salman Madamvally (Laboratory Technician)
<b>4:15-4:30</b>	<b><i>Closing session</i></b>	All