Wastewater Microbiology Series

Louisville, KY, July 30-31, 2024

Tuesday, July 30

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Time	Session Title	
8:00 - 9:00	Introduction to Microscopy • Slide preparation • Sampling • Hands-on Activity	
9:00 - 10:15	 Wastewater Microbiology The Role of Bacteria Growth Characteristics Parameters Affecting their Growth Hands-on Activity 	
10:15 - 10:30	Break	
10:30 - 12:00	The Role of Protozoa and MetazoansParameters Affecting their GrowthIdentifying Protozoa and Metazoans	
12:00 - 1:00	Lunch	
1:00 - 2:00	Process Control Using the Microscope	
2:00 - 2:15	Break	
2:15 - 4:00	Microorganisms Response to Unfavorable Conditions Bacteria - Zooglea Bacteria - Exocellular Lipopolysaccharide Protozoa & Metazoans - Shelled (Testate) Species 	





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Time	Session Title	
8:00 - 8:45	What are Filamentous Bacteria? • Conditions that favor their growth	
8:45 - 9:00	Sampling and StainingSlide preparationHands-on activity	
9:00 - 10:00	Filamentous Bacteria Characteristics Cell size and shape Sheath and motility Attached growth Sulfur granules Hands-on activity Continued on page 2	



Wednesday, July 31

Time	Session Title
10:00 - 12:00	 A Simple Approach to Identification and Control Bulking filaments Foaming filaments Staining Hands-on activity
12:00 - 1:00	Lunch
1:00 - 2:00	Filamentous Bacteria CountingHands-on activityCase studies
2:00 - 4:00	 Microbiological Monitoring of EBPR Systems PAOs, PHB, POLYp and GAOs PHB and Neisser Staining Quantifying PAOs and GAOs Hands-on activity

Registration Information

- Member registration: \$200
- Non-member registration: \$300
- Sponsorship opportunities are available for \$500! Your sponsorship will include one complimentary registration and your logo will be added to all promotional material.

This is a hands-on training event, and we encourage you to bring your own microscope and sample. We hope to see you in Louisville!

