



Professionals Dedicated To Arizona's Water

2024 AZ Water Association Research Symposium

Advances in PFAS, Emerging Contaminants, and Reuse in Arizona

March 22, 2023, 8:30 a.m. – 4:30 p.m.

Gateway Community College, Auditorium CH - 1106, Phoenix, AZ 85034

Research Symposium Program

(6.5 PDHs are available for people attending the full program)

8:30 AM – Registration/Coffee

8:50 AM – Welcome – Introduction of Theme
Zaid Chowdhury, AZ Water Research Committee Chair

8:55 AM – Part 1: PFAS
Zaid Chowdhury, Christian Kassir, and Paul Westerhoff

9:00 AM – Destroying PFAS in Water Using a Synergism of Nanoparticle and Biological Catalysis
Bruce Rittman - ASU

9:25 AM – Electrochemical PFOA detection
Villagran Dino – University of Texas at El Paso

9:50 AM – Assessment of biosolids contaminant fate, transport, risks, and management
Kerry Hamilton - ASU

10:15 AM – Understanding Fate of PFAS during GAC Reactivation
Leila Munla – Calgon Carbon

10:35 AM – Unleashing the Power of PFAS Selective Ion Exchange Resins with Modeling
Cathy Swanson - Purolite

10:55 AM – Break

11:30 AM – Short Presentations by Poster Authors
Coordinated by Treavor Boyer and Andrea Achilli

12:00 PM – Lunch (***Poster viewing and evaluation***)

1:25 PM – Part 2: Legacy and Emerging Contaminants
Treavor Boyer and Rain Richard

1:30 PM – Uranium Treatment for an Arizona School
Rebecca Dietz - NCS

1:55 PM – Novel Cosolvent Regeneration of Anion Exchange Resin
Treavor Boyer - ASU

2:20 PM – Part 3: Reuse
Charlie He and Kerri Hickinbottom

2:25 PM – Reuse Updates on Collaborations with Cities of Goodyear and Buckeye: Impacts on Palo Verde and Regional Brine management Partnership



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Bradley Berles, Arizona Public Service

2:50 PM –Overview of Industrial Reuse – Mining, Semiconductor, Textile, Food & Beverage, Manufacturing, Power, Oil and Gas, and More

John Rydzewski – Carollo

3:15 PM – An Innovative Way to Reuse: Atmospheric Water Capture Summit Summary

Paul Westerhoff, ASU

3:40 PM – Break/Snacks

4:00 PM – Poster Award

4:30 PM - Adjourn