

Seminar Series:

Produced Water Treatment and Reuse

Did you know?

The largest volume by-product of oil and gas production is produced water. The average oil well in the U.S. produces over 9 barrels of water per barrel of oil.

Due to the high levels of salts and other contaminants contained by produced water, much of it is currently disposed. With treatment, this water could provide for future needs in the state, but current technologies are either too expensive or ineffective. To address these issues, university researchers across Oklahoma have been working to develop new technologies and treatment methods.

Updates on this research will be the focus of a new seminar series coordinated by the Oklahoma Water Resources Center at OSU, Oklahoma Water Survey at OU, OWRB Produced Water Working Group, and OK NSF EPSCoR program. Beginning in May, researchers from OSU, OU, OSU-Tulsa, and elsewhere will provide overviews of ongoing research and key findings on produced water treatment and reuse.

May 14, 2021, 10:00-11:30 a.m.

Hamidreza Shabgard, University of Oklahoma
An Innovative Freeze-Desalination Technology for Beneficial Reuse of Oil and Gas Produced Water

Jhouly Osorio, University of Oklahoma
Produced Water Demulsification Using Maghemite Nanoparticles

Babu Fathepure, Oklahoma State University
Bioremediation of Produced Water by Halophilic Microorganisms

June 11, 2021, 10:00-11:30 a.m.

Kyle Murray, University of Oklahoma

Mark Nanny, University of Oklahoma

David Leavitt, Oklahoma State University

July 9, 2021, 10:00-11:30 a.m.

Prem Bikkina, Oklahoma State University

Christine Watson, Oklahoma State University-Tulsa

Seokhin Kim, Oklahoma State University

August 13, 2021, 10:00-11:30 a.m.

Tracy Quan, Oklahoma State University

Javier Vilcaez, Oklahoma State University

Stephen Polkowski, Oklahoma State University-Tulsa



OKLAHOMA WATER RESOURCES CENTER

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Water Resources Board

Register in advance at https://dasnr.zoom.us/meeting/register/tJ0kde-gpzMvHd1Gi_EvRHDuHBqWA9PeRM-

After registering, you will receive a confirmation email containing information about joining.