



The Critical Zone

CLIPS FROM THE DEPARTMENT OF ENVIRONMENTAL SCIENCE

What's in the Clips...

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Taking a break... The Critical Zone will return later this summer. Please give feedback and help us improve this e-newsletter!

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Notes from Dept Head



Friend,

With the end of the spring 2020 semester, we are all busy making plans for a unique summer.

Summer is normally a research-intensive time for us, with a lot of activity in labs and at field sites. **After a prolonged period of lab shutdown, the UA is moving toward ramping up research activities again.** This gives many graduate students the opportunity to resume data collection for their projects.

However, new precautions are being put into place. We will need to closely follow CDC and UA guidelines to enable social distancing as well as other guidelines specific to the kinds of work we do.

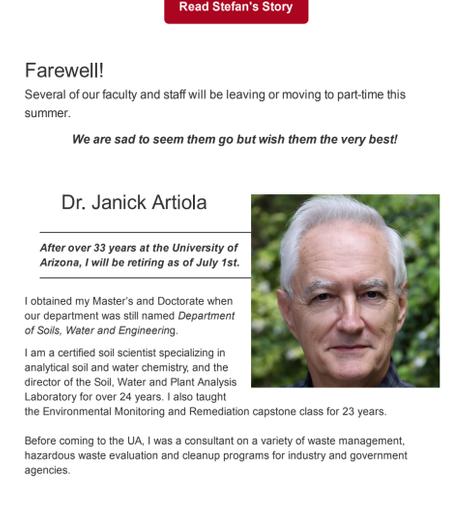
Faculty and laboratory managers will help ensure facemasks and gloves are worn in the laboratory or field; appropriate distance will be maintained between people both indoors and outdoors; and rigorous laboratory sanitation practices will be followed.

Adhering to safe research practices and assimilating them into our daily routine as we return to work will help us have a productive and enjoyable summer.

More information soon on planning a safe return to ENVS research.

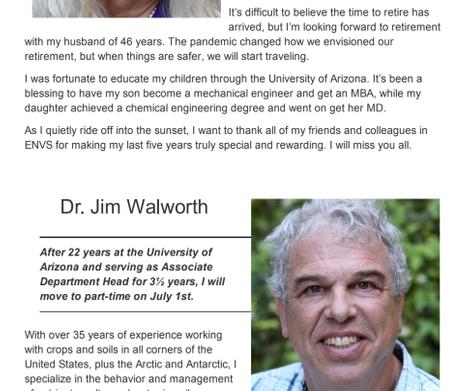
J. Chon

Video: ENVS Graduation 2020



Watch a 4 minute excerpt from the CALS Graduation Convocation 2020!

Meet the People



Never Stop Learning: Alumnus Solves Water Quality Issues

Alumnus Stefan Walston's current title is a mouthful. But as a Water Utilities Process Coordinator in the City of Tempe, he weaves microbiology and water expertise he learned from Dr. Jean McLain and Dr. Channah Rock with life lessons from military service and the private sector to solve water quality issues.

[Read Stefan's Story](#)

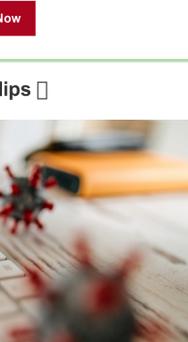
Farewell!

Several of our faculty and staff will be leaving or moving to part-time this summer.

We are sad to see them go but wish them the very best!

Dr. Janick Artiola

After over 33 years at the University of Arizona, I will be retiring as of July 1st.



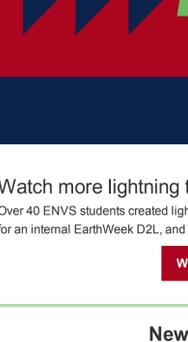
I obtained my Master's and Doctorate when our department was still named *Department of Soils, Water and Engineering*.

I am a certified soil scientist specializing in analytical soil and water chemistry, and the director of the Soil, Water and Plant Analysis Laboratory for over 24 years. I also taught the Environmental Monitoring and Remediation capstone class for 23 years.

Before coming to the UA, I was a consultant on a variety of waste management, hazardous waste evaluation and cleanup programs for industry and government agencies.

Wendy Haley

As I retire from the University of Arizona after 30 years, I am proud to end my career in ENVS on June 30th.



My journey has been a long one, working in many departments around campus and getting to know amazing people over the years.

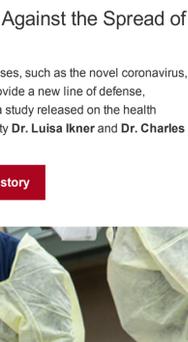
It's difficult to believe the time to retire has arrived, but I'm looking forward to retirement retirement, but when things are safer, we will start traveling.

I was fortunate to educate my children through the University of Arizona. It's been a blessing to have my son become a mechanical engineer and get an MBA, while my daughter achieved a chemical engineering degree and went on to get her MD.

As I quietly ride off into the sunset, I want to thank all of my friends and colleagues in ENVS for making my last five years truly special and rewarding. I will miss you all.

Dr. Jim Walworth

After 22 years at the University of Arizona and serving as Associate Department Head for 3 1/2 years, I will move to part-time on July 1st.

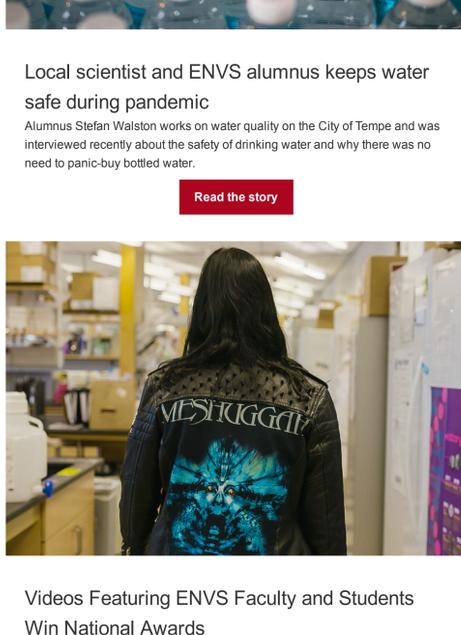


With over 35 years of experience working with crops and soils in all corners of the United States, plus the Arctic and Antarctic, I specialize in the behavior and management of nutrients, salts, and water in soil.

I have taught ENVS courses such as Sustainable Management of Arid Lands and Soil Fertility and Plant Nutrition.

Just a few highlights include working on pecans, turfgrass, vegetables, and field crops in the desert southwest for 18 years, conducting research on zinc, nitrogen, phosphorus, nickel, and manganese nutrition; soil water and salinity management; and remediation of cold-region petroleum contaminated soils.

Virtual Events

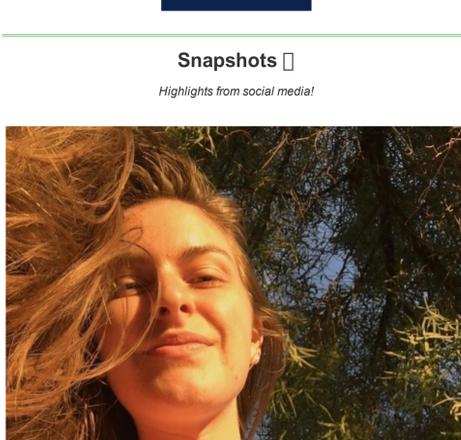


Watch more lightning talks!

Over 40 ENVS students created lightning talks on their research and projects for an internal EarthWeek D2L, and you can watch 15 selected talks now!

[Watch Now](#)

News Clips



Continuously Active Surface Disinfectants May Provide Additional Barrier Against the Spread of Viruses

To slow or prevent the transmission of viruses, such as the novel coronavirus, continuously active disinfectants could provide a new line of defense, according to a recent University of Arizona study released on the health sciences preprint server MedRxiv by faculty Dr. Luisa Ikner and Dr. Charles Gerba.

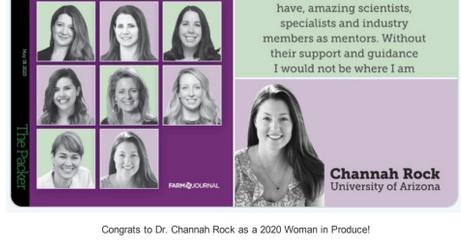
[Read the story](#)



Alumna Develops COVID-19 Protocol Video for First Responders

ENVS alumna Dr. Kelly Reynolds, chair of the College of Public Health Department of Community, Environment, and Policy and director of Environmental, Exposure Science and Risk Assessment Center, collaborates with the Tucson Fire Department to develop a training video detailing protocols for first responders for avoiding infection during the COVID-19 outbreak.

[Read the story](#)



Local scientist and ENVS alumnus keeps water safe during pandemic

Alumnus Stefan Walston works on water quality on the City of Tempe and was interviewed recently about the safety of drinking water and why there was no need to panic-buy bottled water.

[Read the story](#)



Videos Featuring ENVS Faculty and Students Win National Awards

Three stories created by Landmark Stories in partnership with the Department of Environmental Science are recognized with national Telly Awards that showcase the best work of television and radio across all screens and mediums.

[Read the story](#)

Quick Bites

- If you missed, you can watch the [156th Annual Arizona Commencement](#) or the full [CALS Graduation Convocation on Facebook](#).
- Check out ["Water in a Native World,"](#) a special issue of *Journal of Contemporary: Water Research & Education*, with Dr. Karletta Chief as a guest editor.
- Watch the [short video](#) highlighting the Indigenous Food, Energy, Water Security and Sovereignty (Indige-FEWSS) with doctoral candidate Nikki Tulley.
- "The Making of a Metalhead Scientist" [premiered on Arizona Illustrated](#) (PBS6) on May 31st. Stay tuned for more stories!

[E-Newsletter Archive](#)

Snapshots

Highlights from social media!

Senior Hannah "Rae" Pickens was featured in a "Day in Life" on @lifeatuarizona!

Can you spot our two ENVS advisors (Kathleen Landeen and Santiago Tso) in this CALS collage?

Appropriate Social Distancing in Chorover Lab

Dr. Besty Cantwell visited the Arizona Lab for Emerging Contaminants and Chorover Lab.

[The Packer](#) @thepacker · May 21

Congratulations to Channah Rock of the @UAAHGSA of Arizona. The Packer's final 2020 Women in Produce honoree! Read more about Channah and her passion for #foodsafety and #waterquality in this profile by Cynthia David: [lnkd.in/gbKWW6n](#).

Congrats to Dr. Channah Rock as a 2020 Woman in Produce!

A (socially distanced farewell) to Tfallay lab manager Jane Fudyma; she's starting her PhD at UC Davis.

Congrats, farewell and good luck to all of our spring and summer 2020 graduates!

For the most up-to-date guidelines and information, click the button below.

[UArizona Coronavirus Info](#)

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