

1. **Maxwell O'Brien**, Graduate Student, Oklahoma Water Survey (OU)
Shoreline Erosion due to Wave Action: An Experimental Study on the Effectiveness of Floating Wetlands for Wave Reduction
2. **Stephen Angle**, Graduate Student, Environmental Science Graduate Program (OSU)
*Using UAVs for mapping the spatial extent of an aquatic invasive plant (*N. peltata*) on Lake Carl Blackwell*
3. **Melissa Reed**, Graduate Student, Entomology and Plant Pathology (OSU)
The effect of dams on benthic macroinvertebrates in a southeastern Oklahoma cold-water tailrace
4. **Xiang Fu**, Graduate Student, Civil and Environmental Engineering (OSU)
A correlation between Disinfection by-products, metal ions, and bacterial physiology
5. **Matthew Brooks**, Graduate Student, College of Engineering, Architecture, and Technology (OSU)
Molecular Analysis of Microbial Communities Associated with ATO Biodegradation
6. **Brandon Maples**, Graduate Student, Geology & Geophysics (OU)
Testing the importance of depth-specific groundwater chemistry data to understand chromium distribution in the Central Oklahoma
7. **David Taylor**, Graduate Student, Civil & Environmental Engineering (OSU)
Fecal Source Tracking Using Mitochondrial DNA of Host Organism
8. **Emily Rhodes**, Undergraduate Student, Oklahoma Water Survey (OU)
Occurrence of Escherichia coli and enterococcus Bacteria in Twenty-three Streams across Oklahoma
9. **Matthew Walker**, Undergraduate Student, Geography and Environmental Sustainability (OU)
Hydraulic Fracturing Spills Impact upon the Water Table and Groundwater Resources in Vulnerable Areas in Oklahoma
10. **Shailesh Dangwal**, Graduate Student, Chemical Engineering (OSU)
ZnO Microfiltration Membranes for Desalination by a Vacuum Flow-Through Evaporation
11. **Hossein Atoufi**, Graduate Student, School of Civil and Environmental Engineering (OSU)
Produced water reuse by desalination method
12. **Ying Xu**, Graduate Student, Material Science and Technology (OSU)
Development of Low-cost Ceramic Membranes for Ultra/Nanofiltration of Produced Water
13. **Zhen Hong**, Graduate Student, Department of Geography and Environmental Sustainability (OU)
Comprehensive assessment of the spatio-temporal occurrence of earthquakes and wastewater injection for oil and gas industry
14. **Hamed Zamani Sabzi**, Geography and Environmental Sustainability University (OU)
Identifying hotspots for water conservation in views of drought and water use projections: A case study in the Red River Basin
15. **Walter Chandler**, Graduate Student, Oklahoma Water Survey (OU)
Developing a Water-balance Model for the Southeast Watershed Planning Region of Oklahoma
16. **Levi Weaver**, Undergraduate Student, Horticulture and Landscape Architecture (OSU)
Design of an Automated Drought and Traffic Simulator for Turfgrass
17. **Riza Radmehr**, Agricultural Economics (OSU)
Economic, Social, and Environmental Aspects of Irrigation Water Pricing
18. **Sumit Sharma**, Plant and Soil Sciences (OSU)
Evaluating diurnal variation in canopy temperature and soil moisture in corn
19. **Jorge Celis**, Graduate Student, Geography (OU)
Process-based modeling of soil moisture, soil temperature, and surface energy fluxes in the U.S. Southern Plains
20. **Mengye Chen**, Graduate Student, School of Civil Engineering and Environmental Sciences (OU)
An Efficient High-resolution Hydrologic Model for Forecasting Flood Inundation at Local to Regional Scales

21. **Noah Brauer**, Graduate Student, School of Meteorology (OU)
Quantifying the Meteorological Drivers of Heavy Precipitation after the Landfall of Hurricane Harvey
22. **Sarah Wugofski**, Graduate Student, School of Meteorology (OU)
Mesoscale and Synoptic Analysis of the Southern Great Plains 2015 Flash Pluvial
23. **Adella Kuster**, Undergraduate Student, Oklahoma Water Survey (OU)
Effect of Compost Filter Socks on Nutrient and Sediment Levels in Simulated Construction Site Runoff
24. **Jessica Shepard**, Undergraduate Student, Oklahoma Water Survey (OU)
Effects of Compost Filter Socks on Nutrient Concentrations in Simulated Storm Runoff with Sediment from Kessler Field Station
25. **Kolt Vaughn**, Undergraduate Student, Oklahoma Water Survey (OU)
Development of Low Impact Development Inspection and Maintenance Criteria for the City of Tulsa
26. **Rabecca Wiseman**, Graduate Student, Civil & Environmental Engineering (OSU)
How Aeration Basin Optimization is Your City's Salvation
27. **Maryam Movahedinia**, Graduate Student, Environmental Science Graduate Program (OSU)
There is an App for that: Promoting Community Dialogue in a Digital Age
28. **Tri Pham**, Graduate Student, Civil Engineering and Environmental Science (OU)
On the Importance of Studying the Time Variability of the Eddy Flux Footprint for Hyper-Resolution Hydrological Modeling
29. **Brandon Holzbauer-Schweitzer**, Graduate Student, Civil Engineering & Environmental Science (OU)
Correlating Surface Water Quality and Spectral Reflectance with small Unmanned Aerial System (sUAS)-Collected Imagery
30. **Juan Arango Calderon**, Graduate Student, Civil Engineering and Environmental Science (OU)
Prediction of Optical and Non-Optical Water Quality Parameters in Oligotrophic and Eutrophic Systems
31. **Jennifer Salvo**, Graduate Student, Civil Engineering and Environmental Science (OU)
Protecting Our Neighborhood Detention PONDS
32. **John Ellis**, Oklahoma Water Science Center (USGS)
Ten Years of U.S. Geological Survey Groundwater Modeling Studies, Oklahoma, 2011-2020
33. **Braden Owsley**, Graduate Student, Geography and Environmental Sustainability (OU)
Identifying Surface Water Extent and Estimating Water Volume from High-Resolution Aerial Imagery and LiDAR Elevation Data