

UD Undergraduate Research Poster Session (April 29, 2016)

On April 29, 2016, 19 DWRC undergraduate students presented research posters at the Celebration of Undergraduate Engaged Scholarship at the UD Perkins Student Center. DWRC undergraduate water research internships are funded by USGS by authorization of section 104 of the Water Resources Research Act of 1984.

Samuel Dever (Environmental Engineering), Advisor: Paul Imhoff (Civil and Environmental Engineering), Water Retention and Mineral Weathering in a Forest Catchment

Nicole Golomb (International Relations), Advisor: Philip Barnes (Public Policy), Delaware Database for Funding Resilient Communities

Xiaolun Guo (Environmental Engineering), Advisor: Chin-Pao Huang (Civil and Environmental Engineering), Impact of Climate Change on Water Quality: Effect of Temperature on the Kinetics and Thermodynamics of Mineral Solubility

Ryan Hall (Environmental Engineering), Advisor: Paul Imhoff (Civil & Environmental Engineering), Integrating Biochar Amendments in Green Stormwater Management Systems for Enhanced Nitrogen Treatment of Stormwater Runoff

James Hanes (Environmental Science), Advisor: A. Scott Andres (Delaware Geological Survey), Determination of Daily Net Primary Production from Continuous Water Quality Monitoring in the Surface Waters of Coursey Pond, Delaware

Kelli Kearns (Environmental Engineering), Advisor: Angelia Seyfferth (Plant and Soil Sciences), Comparison of Greenhouse Gas Fluxes from Two Flooded, Vegetative Environments

Andres Kwart (Environmental Engineering), Advisor: Anastasia Chirnside (Entomology and Wildlife Ecology), Evaluation of a Fungal Solid State Bio-Reactor to Reduce Pollutant Concentration in Food Processing Wastewater

Alyssa Lutgen (Environmental Science), Advisor: Delphis Levia (Geography), The Isotopic Composition of Throughfall in Relation to Drop Size Diameter Distribution

Jillian Matz (Environmental Science), Advisor: Shreeram Inamdar (Plant and Soil Sciences), Diel Patterns in Dissolved Organic Matter in a Forested Headwater Catchment in Maryland

Marcos Miranda (Environmental Engineering), Advisor: Daniel Cha (Civil and Environmental Engineering), Breathable Membrane Enclosures for Fecal Sludge Stabilization: Application in Eco-vapor Toilets

Adam Nesbitt (Energy and Environmental Policy), Advisor: Lawrence Agbemabiese (Energy and Environmental Policy), Potential for the Delaware Sustainable Energy Utility to Invest in Clean Water

Margaret Orr (Meteorology and Climatology), Advisor: Shreeram Inamdar (Plant and Soil Sciences), Relating Rainfall Intensity to Sediment Mobilization at Fair Hill

Erica Rossetti (Natural Resource Management) and Samantha Serratore (Environmental Engineering), Advisor: Gerald Kauffman (Public Policy), Brandywine-Piedmont Watershed Plan: First State National Park

Nicholas Villari (Plant and Soil Sciences), Advisor: Amy Shoher (Plant and Soil Sciences), Understanding the Role of Ditch Sediments in the Transport of Phosphorus in Agricultural Drainage on the Delmarva

Ha Vu (Chemistry), Advisor: Deb Jaisi (Plant and Soil Sciences), Application of P31 NMR Spectroscopy to Understand Phosphorus Speciation in Wastewater

Gemma Antoniewicz, Norma Brasure, and Clare Sevcik (Environmental Science and Environmental Engineering), Advisor: Gerald Kauffman (Public Policy), The DWRC UD WATER Program: Silver Brook Watershed Plan