

## 2015-2016

### UD Water Resources Center Undergraduate Internships

- **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 Shober (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