

## Biographies

Odiney Alvarez, PhD candidate  
Virginia Tech, Blacksburg, VA  
[odineyac@vt.edu](mailto:odineyac@vt.edu)

Odiney Alvarez-Campos is a PhD student working with Dr. Evanylo in the Department of Crop and Soil Environmental Sciences (CSES) at Virginia Tech, Blacksburg. She received her BS degree in Agricultural Sciences and Natural Resources Management from EARTH University, Costa Rica, and completed her MS degree in Soil and Water Sciences with a Hydrologic Sciences Concentration at University of Florida in May 2015. Odiney started her PhD program at CSES of Virginia Tech in August 2016, where her current work involves the evaluation of various Exceptional Quality biosolids products for their use in urban agriculture.

Greg Evanylo, Professor  
Virginia Tech, Blacksburg, VA  
[gevanylo@vt.edu](mailto:gevanylo@vt.edu)

Gregory Evanylo is professor of crop and soil environmental sciences at Virginia Tech,. He is a Fellow by both the American Society of Agronomy and the Soil Science Society of America. Evanylo is internationally recognized for his Extension programming and applied research on composting, nutrient management, waste by-product application effects on soil and water quality, and reduction of runoff to the Chesapeake Bay watershed. He has written 121 peer-reviewed research articles, book chapters, conference proceedings, and Extension publications. In addition to ASA and SSSA, he is active with the Water Environment Federation and the U.S. Composting Council.

Trudy Johnston, President,  
Material Matters, Inc., Elizabethtown, PA  
[tjohnston@materialmatters.com](mailto:tjohnston@materialmatters.com)

Trudy Johnston is President of Material Matters, a nationally recognized biosolids and residuals consulting firm in Pennsylvania. As President, Trudy leads the company's efforts related to municipal and industrial wastewater treatment, solids processing, assessing product quality and permitting, beneficial use, product marketing and market assessment, nutrient management, data management and reporting, and other services connected to wastewater solids. She is Principal Investigator for a WERF project: High Quality Biosolids from Wastewater. Trudy graduated from PSU with a BS in Earth Science, and is a Class A1 certified operator in PA.

Lisa Challenger, Environmental Specialist  
Material Matters, Inc., Elizabethtown, PA  
[lchallenger@materialmatters.com](mailto:lchallenger@materialmatters.com)

Lisa Challenger has been an Environmental Specialist at Material Matters since 2013. She has experience in marketing, permitting, and managing biosolids and residual materials. Her responsibilities include developing comprehensive biosolids market studies, evaluating biosolids-derived products, conducting site and soil assessments, supporting clients with nutrient trading, and evaluating and reporting on permitting, biosolids product quality, and regulatory compliance. She has been instrumental in projects in Maryland and Pennsylvania, and has experience with biosolids regulations in both states. Lisa played an integral role as lead author in the development of Phosphorus in Biosolids: How to Protect Water Quality While Advancing Biosolids Use developed by WEF's Sustainable Residuals Use Subcommittee.