

Date	Time	Speaker/Affiliation	Seminar Topic
Jan-20	1:00 - 1:55	Mike Mullen (Associate Provost) Departmental	Building the UK Undergraduate Experience
Jan-27	3:15 - 4:10	Dr. Mohammad Ali (Post Doctoral Scholar)	Differential transcriptional profiling and regulation that control flavonoid anthocyanin accumulations in response to microbial based soil additives
Feb-3	3:15 - 4:10	Dr. Bill Hopkins (Virginia Tech)	Transgenerational effects of pollutants in amphibians
Feb-10	3:15 - 4:10	Dr. Mark Coyne (Professor)	2012 Heck Professorship Seminar: Investigations into urease
Feb-17	2:00 - 2:55	Plant Physiology Departmental	KTRDC Update
Feb-24	3:15 - 4:10	Dr. Jeb Barrett (Virginia Tech)	Biodiversity Hot-Spots in a Cold Desert: Soil Ecology in the McMurdo Dry Valleys of Antarctica
Mar-2	3:15 - 3:45	Shuang Liu (Ph.D. Student)	Physiological Responses of Red Pine Seedlings to Soil pH Variations
	3:50 - 4:20	Open	Open
Mar-9	3:15 - 3:45	Sewwandi Rathnayake (M.S. Student)	Transformations, properties, and behavior of aged manufactured nanomaterials (MNMs) in agro- ecosystems.
	3:50 - 4:20	Emily Oostveen (M.S. Student)	The role of surface chemistry and aging processes in toxicity of CeO <sub>2</sub> nanoparticles to <i>C. elegans</i>
Mar-23	2:00 - 2:50	Departmental Seminar	TBA
Mar-30	3:15 - 4:10	Dr. Rebecca Freeman (Earth and Env. Sciences)	Conventional and Unconventional Sources of Oil and Gas
Apr-6	3:15 - 3:45	Jason Simmons (Ph.D. Student)	Nitrous oxide from runoff, leachate, and atmospheric emissions in poultry litter amended grassland
	3:50 - 4:20	Rebecca Sims (M.S. Student)	Metal uptake and its utility for insect herbivore defense in <i>Noccaea caerulescens</i> .
Apr-13	3:15 - 3:45	Daniel Starnes (Ph.D. Student)	Toxicogenomic effects of metal and metal oxide nanoparticles on soil organism <i>Caenorhabditis elegans</i>

<b>Apr-13</b>	<b>3:50 - 4:20</b>	<b>Carla Landrum (Ph.D. Student)</b>	<b>Mapping and decomposing scale-dependent soil moisture variability within a karst landscape</b>
<b>Apr-20</b>	<b>2:00 - 2:50</b>	<b>Crop Science Departmental</b>	<b>TBA</b>
<b>Apr-27</b>	<b>3:15 - 4:05</b>	<b>Prakash Dhakal (Ph.D. Student)</b>	<b>Redox transformation of nitrate and nitrite by iron oxide.</b>
<b>May-4</b>	<b>3:15 - 4:10</b>	<b>Donato Titolo (M.S. Student)</b>	<b>Using an active optical sensor to improve nitrogen management in corn production</b>
	<b>2:00 - 2:50</b>	<b>Emma Witt (Ph.D. Student)</b>	<b>Evaluating Streamside Management Zone Effectiveness in Appalachian Forested Watersheds</b>
<b>May-18</b>	<b>3:15 - 3:45</b>	<b>Shuang Liu (Ph.D. Student)</b>	<b>Physiological Responses of Red Pine Seedlings to Soil pH Variations</b>
<b>May-25</b>	<b>3:15 - 3:45</b>	<b>Anne Radintz (Ph.D. Student)</b>	<b>TBA</b>
	<b>3:50 - 4:20</b>	<b>Sarah Baltzley (M.S. Student)</b>	<b>How does the addition of plant growth promoting rhizobacteria affect the ability of Alyssum murale to grow and uptake nickel in nickel contaminated soils?</b>