

**Soil and Water Sciences Department
Invited Speaker Seminar**

Speaker: **Olegario Muniz, Ph.D.**
Visiting Research Scholar
Institute for Sustainable Food Systems
Soil and Water Sciences Department
University of Florida



Title: **Heavy Metals on Cuban Soils and
Agriculture**

Date: Monday, February 5, 2018

Time: 3:00 pm – 4:00 pm

Location: McCarty Hall A, Room G186

Cuba is characterized by a wide range of soil types. The Cuban Soil Institute has studied the content of the so-called Heavy Metals in Cuban soils, mainly Cadmium (Cd), Lead (Pb), Nickel (Ni), Chromium (Cr), Zinc (Zn) and Copper (Cu). Some soils have natural contents of Ni and Cd higher than the world average due to the soil parent material. A methodology was developed to establish preliminary criteria of the maximum permissible levels of these Heavy Metal (HM) contents in the soil. These levels are set as a way to prevent unacceptably high amounts into the food chain, due to their potential toxicity for human health. Studies were also carried out on the presence of HM in Urban Agriculture products due to the use of a wide variety of sources of organic matter inputs. Permissible limits were developed for Cd and Pb in composts.

For our off-campus students, off-campus faculty, and on-campus students who cannot attend, this seminar can be viewed via live or watched at a later date via this link: [Dr. Olegario Muniz](#). In addition, all seminars are archived for viewing on our [SWSD Seminar Page](#).