

Soil and Water Sciences Department UF Invited Speaker Seminar

Speaker: **Dr. Masanori Fujimoto**
Research Assistant Professor
Aquatic Microbial Ecology
UF/IFAS Soil & Water Sciences Department



Title: **Microbe Mediated Ecological Processes in
Natural and Engineered Systems**

Date: Monday, February 20, 2017

Time: 3:00 pm – 4:00 pm

Location: McCarty Hall A, Room G186

In this seminar, Dr. Fujimoto, a new research assistant professor in Soil and Water Sciences, will present an overview of his previous research projects that explored fundamental ecological processes related to microbes in both natural and engineered systems. He will first discuss his dissertation research which dealt with microbial successions on embryos of endangered fish species Lake Sturgeon in the face of changes in environmental conditions due to anthropogenic activities. He will then turn to addressing his early postdoctoral work on the assessment of ballast water treatments for invasive species controls using a new next generation sequencing (NGS) platform called “Ion Torrent”. He will also provide a brief overview about his postdoctoral research on bacteria-driven biogeochemical processes in Lake Michigan. He will also present his most recent work that includes key findings on microbial syntroph diversity and abundance in anaerobic digestion. He will conclude his talk with his current project and future plans at the University of Florida including practical application of fundamental microbial mediated processes to solve both local and global issues. The various projects he will discuss all share a common thread of seeking to better understand the roles of microbes and the threats our activities pose to fundamental ecological processes.

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. Masanori Fujimoto](#). In addition, all seminars are archived for viewing on our [SWSD Seminar Page](#).