Soil and Water Sciences Department Distinguished Speaker Seminar

Speaker: Dr. Qingshun Quinn Li (liqq@xmu.edu.cn)
Professor and Dean
College of Environmental and Ecology
Xiamen University, Xiamen, Fujian, China

Title: Mangrove Adaptation to Coastal Environment:
Molecular Perspective and Management

Date: Tuesday, May 22nd
Time: 9:30 to 10:30 am
Location: 3177 McCarty Hall A

Dr. Li is a plant molecular biologist. He earned his Ph.D in plant physiology and molecular biology from University of Kentucky, and he was a Professor at Miami University (Ohio) before becoming the founding Dean of the College of Environment and Ecology at Xiamen University in 2012.

His research focuses on plant gene expression regulation and their responses to external stimuli and developmental signals, using genetic, genomic, transcriptomic and bioinformatic tools. Currently, his team mainly works on two areas: role of mRNA alternative polyadenylation on gene expression regulation, and the molecular mechanisms of coastal plants’ adaptation to environment. After researching on mRNA processing for many years, Dr. Li established a reputation in the field. In recent years, his team has extended efforts to include research on issues of mangrove viviparity and hypoxia adaptation, as well as mechanism of Spartina alterniflora invasion in China. He has published ~90 scientific papers in journals like PNAS, Genome Research, Plant Cell, Plant Physiology, and Plant Journal.

His presentation at UF will focus on two recent works on mangrove. The first examines the potential gene network for mangrove’s viviparous genetic mechanism through genome level analysis, and transcriptome analysis of critical stage of development. The second attempts to reveal adaptation of mangrove Avicennia marina to coastal soil hypoxia conditions by developing different root systems and differential gene expression regulation. Both deals with the challenges of plant growth and development under harsh costal environment. During the seminar, Dr. Li will also introduce his college and opportunities for collaboration at Xiamen University.

For those off-campus who cannot attend, this seminar can be viewed via live or watched at a later date via this link at Dr. Qingshun Li. In addition, all seminars are archived for viewing on our SWSD Seminar Page. For additional questions, please contact Dr. Lena Ma at lqma@ufl.edu.