

## 2017 WATER INSTITUTE FACULTY FELLOW SEMINAR

### *Thinking Beyond Water to Design Win-Win Solutions for Water Sustainability*

**Dr. Sanjay Shukla**

Professor, University of Florida

Agricultural and Biological Engineering Department



Dr. Shukla specializes in watershed hydrology, hydrologic/water quality modeling, irrigation and drainage, sustainable solutions for water availability and quality, and ecosystem services from agriculture. This includes research on agricultural Best Management Practices for water conservation and water quality improvements and water-related ecosystem services from agriculture; hydrological processes under shallow water table conditions; field- and watershed-scale hydrologic/water quality modeling; and irrigation and drainage management.

#### SEMINAR ABSTRACT:

Issues related to water conservation are multi-dimensional and require thinking beyond water to achieve large-scale changes. The seminar will summarize results from studies aimed at designing stakeholder-driven solutions for agriculture to achieve real changes in water use and quality. These include transforming the food-water-energy-land-economic nexus through compact bed geometries, payment for water-related environmental services program for working agricultural lands, and water-energy nexus in agriculture and policy options.

**Thursday, January 11**

**2:30 – 3:30 PM**

**Reitz Union, room 3320**

For additional details, contact Carol Lippincott at the UF Water Institute ([calippincott@ufl.edu](mailto:calippincott@ufl.edu)).