




Wetland Processes, Modeling, and Use in Watershed Management

 Tuesday, May 23, 2023  3:00 PM – 4:30 PM PDT  Room: El Viento IV

Moderator(s)



Omar I. Abdul-Aziz

Associate Professor
West Virginia University

Wetlands play critical roles in water resources management, including water quality improvement, water storage and flood attenuation, recharging aquifers, and restoring/maintaining critical ecological habitats. Wetlands represent one of the highest rates of ecological carbon sequestration, although they can also act as sources of greenhouse gases (GHGs) to the atmosphere. The proposed session invites abstracts from scientists, engineers, practitioners, and stakeholders with contributions on basic and applied research regarding the roles and effectiveness of wetlands in watershed and coastal management. We will entertain a range of relevant topics such as wetland hydrology, biogeochemistry and nutrient cycling, GHG fluxes and carbon sequestration, and habitat ecology in natural and constructed wetlands of the inland and coastal regions. We welcome case studies to share outcomes from short- and long-term monitoring, engineering, and management projects at site, regional, and global scales.