

Italo CUENO - Valparaiso Chili

Highly complex porous pipes: biophysics and physiology of fine roots water uptake under drought

Abstract: Fine roots play a pivotal role in the water uptake mechanisms of plants, acting as highly complex porous pipes that navigate the challenges of water acquisition, especially under drought conditions. This talk delves into the intricate biophysical and physiological processes governing fine roots' functionality during periods of water scarcity.