PSLA FALL 2025 SEMINAR SERIES

WITH DR. JONATHAN CUMMING

University of Maryland Eastern Shore

STRESS RESISTANCE FOR BIOENERGY: TREE PHYSIOLOGY AND LINKAGES TO SOIL MICROBES

BIOFUEL FEEDSTOCK RESILIENCE TO ENVIRONMENTAL STRESS IS CENTRAL TO SUSTAINABLE BIOENERGY PRODUCTION. PHYSIOLOGICAL ACCLIMATION SYSTEMS ASSOCIATED WITH ELEVATED ALUMINUM AND LIMITING PHOSPHORUS ARE IMPORTANT FOR POPLAR AND WILLOW PRODUCTION ON ACIDIC SOILS. IN CONCERT, SOIL MICROBES PLAY IMPORTANT ROLES IN MEDIATING THESE RESPONSES AND SUPPORT FEEDSTOCK PRODUCTION ON POOR SOILS.

DATE

10.27.25

12 PM - 1 PM

LOCATION

PLS BUILDING RM 2107/2109

COLLEGE OF AGRICULTURE & NATURAL RESOURCES

DEPARTMENT OF PLANT SCIENCE AND LANDSCAPE ARCHITECTURE

Speaker Bio: Dr. Cumming leads the Root Systems Biology Lab at the University of Maryland Eastern Shore working on biofuel feedstock production and soil carbon sequestration as a member of the DOE funded Center for Bioenergy Innovation. He currently serves as Chair of the Department of Natural Sciences.