Serge Thomas, Ph.D.

Expert in the ecology of aquatic environments at Florida Gulf Coast University

Fort Myers, FL, US

Serge Thomas specializes in the consequences of natural and human stresses in aquatic ecosystems.

Biography

Serge Thomas is an associate professor in The Water School at Florida Gulf Coast University. He studies what factors of natural/human origins, and especially nutrients, trigger (harmful) algae blooms in various inland/nearshore shallow ecosystems. Such systems vary from fresh to saltwater, man-made and natural, still and moving water bodies, as well as wetlands. Understanding what controls algae growth allows him to rehabilitate hydrosystems, use algae and associated plants to remove water nutrients in engineered man-made shallow impoundments (such as treatment wetlands and stormwater ponds), and to better predict (harmful) algae blooms.

Areas of Expertise

Ecological Engineering, Hydrosystems, Technologies to Clean Water, Microplastics, Algal Blooms, Estuaries, Lakes, Algal Physiology, Wetlands, Eutrophication, Stormwater Treatment, Freshwater Algae, Rivers, Phytoremediation, Drone Mapping, Environmental Education, Ecosystem Rehabilitation, Sustainability

Affiliations

Member : Association Francaise de Limnologie, Vice President: Florida Lake Management Society

Selected Event Appearances

Settling and Entrainment Properties of STA Particulates.
GEER 2019

Ponds of Southwest Florida: Ticking time bombs
Association of Limnology and Oceanography (ASLO)

Wet Detention Stormwater Treatment Ponds: Thousands of Ticking Time Bombs for Water Quality in Southwest Florida
23rd Annual Southwest Florida Water Resources Conference, American Water Resource Association

Education

Florida International University / Southeast Environmental Research Center
Postdoctoral Fellow

Pierre and Marie Curie University
Ph.D. Oceanology

Pierre and Marie Curie University
D.E.A. Oceanology

Pierre and Marie Curie University
M.S. Organisms and Populations Biology

Pierre and Marie Curie University
B.S. Organisms and Populations Biology
