

Jim Sullivan, Ph.D.

Executive Director at Florida Atlantic University

Boca Raton, FL, US

Jim Sullivan is an expert in biological and physical mechanisms controlling the spatial-temporal dynamics of plankton populations.

Biography

Jim Sullivan's research interests range from the biological and physical mechanisms controlling the spatial-temporal dynamics of phytoplankton/zooplankton populations in the coastal oceans, Harmful Algal Bloom (red tide) dynamics, bioluminescence in the ocean, and the development and use of optical and autonomous sampling instrumentation and analytical techniques needed to study these complex processes. Equipment he has developed or codeveloped includes a moored autonomous vertical profiler, a bathyphotometer, an in situ hyperspectral spectrophotometer and an in situ holographic microscope for 3D characterization of undisturbed particles in the ocean. Sullivan earned his master's and doctorate in biological oceanography with specializations in phytoplankton physiology and ecology, as well as bio-optics and biophysics from University of Rhode Island - Graduate School of Oceanography (URI-GSO). Prior to joining Harbor Branch he was research faculty at URI-GSO and a Senior Oceanographer for WET Labs Inc.

Areas of Expertise

Sampling Instrumentation, Harmful Algal Bloom Dynamics, Spatial-temporal Dynamics of Plankton, Bioluminescence in the Ocean

Education

University of Rhode Island - Graduate School of Oceanography
Ph.D.

University of Rhode Island - Graduate School of Oceanography
M.S.

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