

Barry H. Rosen, Ph.D.

Expert in cyanobacteria, harmful algal blooms and blue-green algae at Florida Gulf Coast University

Fort Myers, FL, US

Barry Rosen studies the nature of freshwater harmful algal blooms and their dynamics.

Biography

Barry Rosen is a world-class scholar and professor in The Water School at Florida Gulf Coast University. Having studied cyanobacteria for over 40 years, Rosen is charged with creating a statewide and national program to understand freshwater harmful algal blooms (HAB), their impacts and potential solutions for mitigation. Prior to joining the university, he worked for several federal and state agencies, including the U.S. Geological Survey, U.S. Fish and Wildlife Service, the Natural Resources Conservation Service, the Environmental Protection Agency, and the South Florida Water Management District.

Areas of Expertise

blue-green algae, Cyanobacterial genetics, Diatoms, Limnology, Fish kills, Algae, Cyanobacteria, Harmful Algal Blooms (HABs), Phycology, Algal Physiology, Desmids

Affiliations

North American Lake Management Society : Member

Selected Event Appearances

Keynote

North American Lake Management Society-Florida Chapter

Freshwater Phytoplankton Identification Workshop

10th U.S. HABs Symposium

Cyanobacteria Ecological Strategies: Initiation, development and termination of a bloom

Florida Sea Grant, Harmful Algal Blooms State of the Science Symposium

Animal and human health at risk from algal toxins in our water: neurotoxins, hepatotoxins and climate change

Tribal Lands and Environment Forum

Education

University of Nebraska
Biological Sciences Postdoctoral Research Associate

Tel Aviv University/Weizmann Institute
Postdoctoral Research Associate Biology

Virginia Commonwealth University
Postdoctoral Research Associate Biology

The Ohio State University
Postdoctoral Research Associate Electron Microscopist

Bowling Green State University
Ph.D. Biology

St. Cloud State University
M.A. Biology

University of Connecticut
B.S. Botany

Accomplishments

Joan Hodges Queneau Palladium Medal

2000 Established by the National Audubon Society in 1977, the Joan Hodges Queneau Medal recognizes an individual who encourages cooperation between engineering professionals and environmentalists to create innovative solutions to environmental problems. This award is administered by the American Association of Engineering Societies.

Aquatic Resource Management Award

1999 Given by the Florida Lake Management Society to a professional government employee who has worked to restore, protect and/or advance our understanding of Florida's aquatic resources.

Environmental Science and Engineering Fellow

1990 Appointed by the American Association Advancement of Science, Rosen was placed in the Environmental Protection Agency's (EPA) Office of Wetlands, Oceans, & Watersheds in Washington, D.C. While there, Rosen worked on the Clean Water Act, section 301(h- municipalities with sewage treatment plants that discharged into marine waters). He served as liaison between the EPA and other federal and state agencies on technical and policy aspects of the regulations.

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