

## Faculty

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Life history, ecology and behavior of fishes

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Molecular evolution and comparative genomics of  
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Global climate change, climate modeling, climate dynamics

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Shellfish ecology and parasitology

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Ocean modeling

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Nutrient dynamics in forest soils, mycorrhizal ecology, fungi, and pollution

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Biochemistry and biophysics, physiological adaptation

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- Susan E. Ford

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Host-parasite-environment interactions

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Satellite remote sensing of polar regions, air/ice/ocean  
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Physical oceanography

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Biophysics and bio-optical oceanography

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Benthic ecology and ocean biogeography

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Mechanisms of establishment and maintenance of fish populations

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Physical oceanography, numerical ocean circulation modeling

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Estuarine ecology, marine pollution, anthropogenic impacts on estuarine and coastal marine environments

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Paleomagnetism, geomagnetism, paleogeography

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Physical Oceanography

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Coastal & estuarine ecology, Pinelands, remote sensing

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Climate modeling and climate change

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paleoceanography deep-sea geology, sea-level change

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Beach and dune processes and landforms

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Shellfish biology/modeling, carbonate preservation, reproductive biology

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Coastal geomorphology, shoreline erosion, coastal zone management

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Biogeochemistry in aquatic systems

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Climate change

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Structure and development of continental margins and ocean basins

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Biogeochemical cycles of trace metals and their isotopes

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Trace metals in the oceanic water column, environmental chemistry

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Marine benthic ecology, animal-sediment-flow interactions

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Ocean modeling and prediction

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Anaerobic microbial metabolism of environmental contaminants, microbial ecology

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Learning and Teaching of Ocean Sciences; Marine Biology

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