

MSRC Graduate Faculty in Fisheries



Bricelj, V. Monica. Assistant Professor. Physiological ecology, bioenergetics of shellfishes (molluscs), aquaculture.

Cerrato, Robert M. Assistant Professor. Population dynamics, analysis of age and growth patterns in shellfish, benthic ecology, community dynamics.

Conover, David O. Associate Professor. Fish ecology, evolution of growth and reproductive strategies in fishes, fisheries management.

Cowen, Robert K. Assistant Professor. Fishery oceanography, fish ecology, larval transport and early life history.

Lawton, Peter. Assistant Research Professor. Biology and behavior of crustaceans, predator-prey interactions, stock-recruitment relationships in crustacean fisheries.

Malouf, Robert E. Associate Professor and Director, New York Sea Grant Institute. Shellfish biology and management, aquaculture.

McHugh, J.L. Professor Emeritus. Fishery management, domestic and international ocean affairs.

Present, Teresa M. Postdoctoral Associate. Fish ecology, life history evolution, ecological genetics.

Siddall, Scott E. Assistant Professor. Biology and ecology of molluscan larvae, molluscan aquaculture.

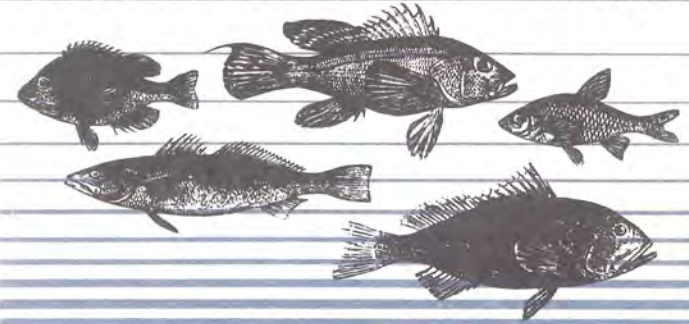
Woodhead, Peter M.J. Research Professor. Fisheries oceanography, ecology of fishes and fisheries, artificial reef and coral reef habitats, waste disposal at sea.



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MARINE SCIENCES RESEARCH CENTER
STATE UNIVERSITY OF NEW YORK AT STONY BROOK
LONG ISLAND, N.Y. 11794

GRADUATE STUDIES IN FISHERIES BIOLOGY

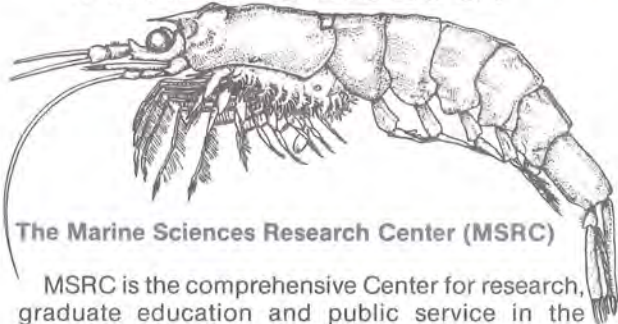


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The Marine Sciences Research Center (MSRC)

MSRC is the comprehensive Center for research, graduate education and public service in the marine sciences for the State University of New York (SUNY) system. It offers graduate degrees in Marine Environmental Sciences (M.S.) and Coastal Oceanography (Ph.D.), including programs of research and teaching in biology and ecology of fish and shellfish, fisheries oceanography, fisheries management, aquaculture, and coastal zone management. These specific fields of study are complemented with training in the traditional areas of biological, chemical, geological, and physical oceanography. All of MSRC's degree programs combine interdisciplinary training in the marine sciences with coursework and thesis research in one area of specialization.

Fisheries Biology Curriculum

Graduate studies in fisheries biology at MSRC emphasize the application of basic research in ecology, physiology, genetics, and behavior to problems in marine resource management. The fisheries curriculum includes offerings in fisheries management, fisheries ecology, fish biology, shellfish biology, aquaculture, and seminars in specialized areas such as larval ecology, population dynamics, and fishery oceanography. Additional courses in population modeling, genetics, theoretical ecology, biometry, and multivariate statistics are available through the closely-allied Department of Ecology and Evolution.

Students at both the M.S. and Ph.D. levels actively participate in the research programs of MSRC faculty. Information on research projects currently underway can be obtained by writing to one of the faculty members listed below.

The University

SUNY Stony Brook is one of the premier research and graduate institutions in the country. Established in 1957, Stony Brook has grown rapidly to an enrollment of about 16,000 students and 1,500 faculty. The 1,000-acre campus is located about 60 miles east of Manhattan on Long Island's picturesque north shore. Many of Stony Brook's departments, including MSRC, rank among the best in the country. The campus is also in close proximity to two other major research centers: the Brookhaven National Laboratory and Cold Spring Harbor Laboratory.



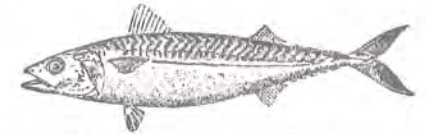
Facilities and Resources

One of the main advantages of Stony Brook is the proximity of the main campus to a variety of coastal habitats. We are within minutes of numerous coastal embayments, salt marshes, estuaries, and the continental shelf waters, each of which include a variety of fisheries for both invertebrates and fishes. The Flax Pond Laboratory, located only four miles from campus, contains a flowing seawater system and wet lab where experimental studies may be carried out. The lab is located on a pristine salt marsh that is managed by MSRC specifically for use in research activities.



Computer facilities are excellent. MSRC has recently obtained its own state-of-the-art super-mini computer providing the capability to process remotely-sensed data such as satellite images. Numerous smaller computers are also available, including one specifically dedicated to the image analysis of morphological patterns in otoliths, scales, and mollusk shells.

The MSRC operates an 18 m research vessel, the R/V ONRUST, which is designed and equipped for a variety of oceanographic sampling tasks. A number of smaller boats are available for use inshore.



Two on-campus organizations, the Living Marine Resources Institute (LIMRI) and the New York Sea Grant Institute provide financial support and other assistance to fishery-related and other research activities of MSRC and the University.

Admission and Financial Aid

Nearly all of our graduate students receive some form of financial aid, usually a graduate assistantship that carries with it a tuition waiver. In addition, the McHugh Fellowship is used to supplement the stipend of an outstanding applicant in fisheries science each year. Details concerning current stipend levels, tuition, and fees are available upon request for application materials.



Although there is no special application procedure, you should indicate your interest in fisheries, so that the appropriate faculty will review your application. We strongly encourage you (esp. Ph.D. applicants) to also write directly to the faculty member(s) listed below whose interests most closely fit your own.

Applications for admission and financial aid and additional information about MSRC graduate programs should be requested from: The Graduate Program Director, Marine Sciences Research Center, State University of New York, Stony Brook, NY, 11794-5000 (phone no. 516-632-8680).