Directory of Research Institutions in Aquaculture

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By

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Aquaculture Information Center
National Agricultural Library
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Directory of research institutions in aquaculture.

1. Aquaculture — Research — Societies, etc. — Directories. 
I. Braun, Linda. II. Flanagan, Catherine. III. Title.

SH20.5
Foreword

This directory is for aquaculture scientists and researchers, students, Government agency staff, and others interested in the current areas of research in aquaculture in the United States. The directory was compiled from information provided by the U.S. Fish and Wildlife Service, the National Sea Grant College Program, and the American Fisheries Society. Approximately 200 research institutions were contacted by mail regarding their interest in being included in this directory. Responses from 139 of those research institutions are included in this directory. They were also asked to verify their address and to include subject information regarding their aquaculture-related research. The Aquaculture Information Center wishes to thank them for their assistance in providing information for this directory.

Some of the institutions listed may have very limited aquaculture programs or research directly or indirectly related to aquaculture. This list is not comprehensive, and some ongoing aquaculture research programs may have been missed inadvertently. In addition, due to the changing funding for aquaculture research, some of the programs included may have changed their research directions since the printing of this publication.

Programs are listed alphabetically by State or territory with mailing addresses and when available, phone or FAX numbers. The umbrella institution is in boldface for each entry. Also included at the end is a Subject Index.

Acknowledgments

Special appreciation is expressed to Nancy Thomson for her time in verifying addresses and phone numbers and for her assistance with word processing.
ALABAMA

Department of Fisheries and Allied Aquacultures
203B Swingle Hall
Auburn University, AL 36849-5419

Research areas:
Fish health; genetics and breeding; hatchery management; nutrition; product quality; production systems; water quality.

Phone: (205) 844-4786
FAX: (205) 844-9208

International Center for Aquaculture
Department of Fisheries & Allied Aquaculture
Auburn University
Auburn, AL 36849-5124

Research areas:
Hatcheries; international aquaculture; shrimp culture.

Phone: (205) 826-4786

Southeastern Fish Cultural Laboratory
U.S. Fish and Wildlife Service
Route 3, Box 86
Marion, AL 36756

Research areas:
Catfish diseases; microbiology; pond management; stress physiology; water quality.

Phone: (205) 683-6175
FAX: (205) 683-6603

ALASKA

Chairman
Division of Science & Mathematics
Sheldon Jackson College
801 Lincoln Street
Sitka, AK 99835

Research areas:
Wire tagging of coho and chinook salmon for survival studies; culture of bivalve shellfish; culture of chinook, chum, coho and pinko salmon.

ARIZONA

Zoology Department
Arizona State University
Tempe, AZ 85287-1501

Research areas:
Conservation; fisheries biology; molecular evolution in fishes; systematics.
Environmental Research Laboratory
University of Arizona
Tucson International Airport
2601 East Airport Drive
Tucson, AZ 85706

Phone: (602) 741-1990
FAX: (602) 573-0852

**Research areas:**
Integrated agriculture/aquaculture; paddlefish; penaeid shrimp; tilapia.

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**ARKANSAS**

Department of Fisheries & Wildlife Biology
Arkansas Tech University
Russellville, AR 72801

Research areas:
Baitfish production; catfish production; pond management.

Fish Farming Experimental Laboratory
U.S. Fish and Wildlife Service
P.O. Box 860
Stuttgart, AR 72160-0860

Phone: (501) 673-4483, -4484
FAX: (501) 673-7710

Research areas:
Alternative fertilization procedures; ammonia metabolism in culture ponds; cause of proliferative gill disease in channel catfish; goldfish summer syndrome; off-flavor in channel catfish; striped bass culture techniques; water quality management for striped bass.

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**CALIFORNIA**

Aquatic Research Institute
2242 Davis Court
Hayward, CA 94545

Phone: (415) 782-4058
FAX: (415) 785-0945

Research areas:
Aquatic sciences and technology; fisheries; information retrieval aquaculture.

Hubbs Sea World Institute
1700 South Shores Road
San Diego, CA 92109

Research areas:
Culture of marine fish; invertebrates and algae; enhancement of marine fisheries.

Department of Fisheries
Humboldt State University
Arcata, CA 95521

Research areas:
Ecology; genetics; parasites and diseases; physiology; phycology; water quality.
Coastal and Marine Institute
San Diego State University
San Diego, CA 92182-0408

Phone: (619) 594-6523
FAX: (619) 594-5676

Research areas:
Invertebrates of pharmacological interest; ocean stock enhancement.

Bodega Marine Laboratory
University of California
P.O. Box 247
Bodega Bay, CA 94923

Phone: (707) 875-2211

Research areas:
Disease in crustaceans, fish, and molluscs; endocrinology; genetics and broodstock development; nutrition; reproductive biology.

Department of Biology
University of California
Los Angeles, CA 90024-1606

Research areas:
Effluent of cultured species of marine fishes; use of gynogenetically cloned fishes in aquaculture and related areas of environmental quality monitoring.

Department of Wildlife & Fisheries Biology
University of California
Davis, CA 95616

Research areas:
Bird/aquaculture interactions in Western U.S./Mexico; effects of stress and handling on fish.

Aquaculture and Fisheries Program
University of California, Davis
Davis, CA 95616

Research areas:
Broad based program including: aquacultural engineering; aquatic animal medicine; aquatic animal production; aquatic toxicology; biology of fishes; experimental aquaculture; marine food science; nutrition and feeding of finfish and shellfish; physiology of fishes; reproduction of aquatic animals.

Marine Science Institute
University of California, Santa Barbara
Santa Barbara, CA 93106

Phone: (805) 893-3765
FAX: (805) 893-8062

Research areas:
Coastal fisheries; marine biology; marine biotechnology; phycology.
Catalina Marine Science Center  
**University of Southern California**  
P.O. Box 398  
Avalon, CA 90704  

Phone: (213) 743-6792

### Research areas:
Developmental aspects of marine larva; genetics of clonal marine animals; long-term monitoring of kelp forest communities; UV vision marine animals.

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**COLORADO**

Department of Fishery & Wildlife Biology  
**Colorado State University**  
Collins, CO 80523  

Phone: (303) 491-5657

### Research areas:
General aquaculture projects on Colorado squawfish (a rare and endangered species).

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**DELAWARE**

Department of Agricultural and Natural Resources  
**Delaware State College**  
Dover, DE 19901-2275  

Phone: (302) 739-5189  
FAX: (302) 739-4997

### Research areas:
Crawfish biology and life history; crawfish production and management; general aquaculture; striped bass and hybrid production.

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College of Agricultural Sciences  
Department of Food and Resource Economics  
**University of Delaware**  
Newark, DE 19717-1303  

Phone: (302) 451-1315

### Research areas:
Catfish; crawfish; farm level profitability (ponds and closed systems); hybrid striped bass; production and marketing constraints; risk and returns simulation.

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College of Marine Studies  
**University of Delaware**  
Lewes, DE 19958  

Phone: (302) 646-4364  
FAX: (302) 645-4028

### Research areas:
Early life history of weakfish, summer flounder and tautog; field growout fish and shellfish; marine policy; shellfish genetics.
Delaware Sea Grant Marine Advisory Service  
College of Marine Studies  
University of Delaware  
700 Pilottown Road  
Lewes, DE 19958-1298

Phone: (302) 645-4060  
FAX: (302) 645-4007

**FLORIDA**

Florida Marine Research Institute  
Department of Natural Resources  
100 8th Avenue, S.E.  
St. Petersburg, FL 33701-5095

Phone: (813) 896-8626  
FAX: (813) 823-0166

Florida Institute of Technology  
Biological Sciences Department  
150 West University Boulevard  
Melbourne, FL 32901

Phone: (407) 768-8000 ext. 8034  
FAX: (407) 984-8461

Indian River Marine Science Research Center  
Florida Institute of Technology  
805 46th Place East  
Vero Beach, FL 32963

Phone: (407) 234-4096

Harbor Branch Oceanographic Institution  
5600 Old Dixie Highway  
Ft. Pierce, FL 34946

Phone: (407) 465-2400  
FAX: (407) 465-2446

**Research areas:**

Clams; hybrid striped bass; policy and regulatory aspects related to aquaculture; waste management.

**Research areas:**

Animal diseases in closed systems; culture and rearing of marine animals; marine animal health; production and research ponds.

**Research areas:**

Bivalve culture; cage mariculture of finfish; culture of research animals (fish, crustaceans, bivalves); genetic engineering.

**Research areas:**

Mahimahi (dolphin fish) aquaculture studies; red drum (*Scaenops ocellatus*) stocking project.

**Research areas:**

Fish, clam, and oyster culture.
Mote Marine Laboratory
1600 Thompson Parkway
Sarasota, FL 34236

Phone: (813) 388-4441
FAX: (813) 388-4312

Research areas:
Nutritional studies; phytoplankton culture; sexual transformation of hermaphroditic fishes; stock enhancement.

University of Florida
Department of Fisheries & Aquaculture
7922 NW 71 Street
Gainesville, FL 32606

Phone: (904) 392-9617
FAX: (904) 392-3462

Research areas:
Aquaculture effluents—description and management techniques; barriers to aquaculture (survey); design and construction of recirculating systems; fish health management (parasites and diseases); genetics of ornamental fish (livebearers); ornamental fish spawning and reproduction; polymer production via algae.

Rosenstiel School of Marine and Atmospheric Sciences
Division of Marine Biology & Fisheries
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149-1098

Phone: (305) 361-4185
FAX: (305) 361-4711

Research areas:
Genetics of aplysia (sea hare); intensive and extensive culture of snook and red drum (red fish); macroalgae culture; maturation of Penaeus shrimp; optimization of culture of aplysia (biomedical research).

National Fisheries Research Center
U.S. Fish and Wildlife Service
7920 NW 71 Street
Gainesville, FL 32606

Phone: (904) 378-8181

Research areas:
Culture of gulf sturgeon; diet studies on hybrid striped bass.

GEORGIA

Animal Science Department
Coastal Plain Experiment Station
P.O. Box 748
Tifton, GA 31793-0748

Phone: (912) 386-3364

Research areas:
Aquaculture effluents; aquaculture water quality; channel catfish; fish health; freshwater fish parasites; warmwater fish nutrition.
Biological & Agricultural Engineering Dept.  
**Coastal Plain Experiment Station**  
P.O. Box 748  
Tifton, GA 31793-0748  

Phone: (912) 386-3918

**Research areas:**  
Automation in catfish processing industry; water quality and reuse.

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**Cohutta Fisheries Center**  
U.S. Department of Agriculture Cooperative Extension Service  
P.O. Box 280  
Cohutta, GA 30710  

Phone: (404) 694-8830

**Research areas:**  
Channel catfish; rainbow trout; striped and hybrid striped bass.

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**Extension Fisheries Specialist**  
**Ag. Experiment Stations, GA Station**  
1109 Experiment Street  
Griffin, GA 30223-1797

**Research areas:**  
Aquatic weed control; catfish farming.

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**Sea Grant College Program**  
Ecology Building  
Athens, GA 30602  

Phone: (404)542-7671  
FAX: (404) 542-5888

**Research areas:**  
Bivalve mollusks; feeding and nutrition; genetics; grow-out technology; reproductive physiology.

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**Agricultural Economics**  
315 Conner Hall  
**University of Georgia**  
Athens, GA 30602  

Phone: (404) 542-0755

**Research areas:**  
Catfish demand, marketing, price analysis; shrimp mariculture, production economics, marketing; and shrimp price analysis/forecasting.

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**College of Veterinary Medicine**  
**University of Georgia**  
Athens, GA 30602  

Phone: (404) 542-5811

**Research areas:**  
Antimicrobial resistance of bacterial fish pathogens; studies of mechanisms of pathogenesis of bacterial fish pathogens utilizing transpositional mutagenesis.
Dept. of Medical Microbiology
College of Veterinary Medicine
Room 347
University of Georgia
Athens, GA 30602

Phone: (404) 542-3473

Research areas:
Antibiotic resistance studies of aquatic microorganisms; antiprotozoal studies (immunization) of fish; killer cell functions in fish; new medicants for protozoans of fish.

Extension Aquaculture & Fisheries
University of Georgia
Athens, GA 30602

Phone: (404) 542-1924

Research areas:
Channel catfish; hybrid and striped bass; rainbow trout.

Dr. Yao-wen Huang
207A Food Science Bldg.
Dept. of Food Science and Technology
University of Georgia
Athens, GA 30602

Phone: (404) 542-2286
FAX (404) 542-1050

Research areas:
Microbial safety of prepackaged catfish and rainbow trout; quality assessment of catfish using vacuum skin packaging and modified atmosphere storage; residues related safety study in processed catfish and trout; storage quality of refrigerated and frozen catfish.

HAWAII

Anuenue Fisheries Research Center
Department of Land and Natural Resources (DLNR)
Division of Aquatic Resources,
Area 4
Sand Island Access Road
Honolulu, HI 96819

Phone: (808) 845-9561
FAX: (808) 845-4334

Research areas:
Akule (Selar crumenopthalmus); mahimahi (Coryphaena hippurus); malaysian prawn (Macrobrachium rosenbergii); marine shrimp (Penaeus vannamei, Penaeus stylirostris); moi (Polydactylus sexfiliis); samoan crab (Scylla serata); aquatic diseases.

Kauai Community College
3-1901 Kaumualii Hwy.
Lihue, HI 96766-9591

Research areas:
Coring and dating ancient Hawaiian fish ponds; general fresh-brackish water environments; life cycle of Hawaiian endemic goby (Awaous stamineus); prehistoric Hawaiian aquacultural systems.
Natural Energy Lab of Hawaii Authority
P.O. Box 1749
Kailua-Kona, HI 96745-1749

Phone: (808) 329-7341

Research areas:
Coldwater, warmwater, and cleanwater aquaculture; pearl oysters; sea cucumber; ocean thermal energy conversion.

Oceanic Institute
Makapuu Point
P.O. Box 25280
Honolulu, HI 96825-0280

Phone: (808) 259-7951
FAX: (808) 259-5971

Research areas:
Feeds research; finfish research; oceanography; shrimp research.

Oceanit Laboratories, Inc.
1188 Bishop Suite 2512
Honolulu, HI 96813

Phone: (808) 531-3017
FAX: (808) 526-1519

Research areas:
Productivity using deep ocean wastes; subtropical/tropical aquaculture facilities design.

Department of Animal Science
University of Hawaii
1800 East West Rd.
Henke Hall 106
Honolulu, HI 96822

Phone: (808) 956-8356
FAX: (808) 956-4883

Research areas:
Fish and shrimp growth.

College of Tropical Agriculture
University of Hawaii
3050 Maile Way
Gilmore 202
Honolulu, HI 96822

Phone: (808) 956-8234

Research areas:
Clams (Giant); engineering (pond development); oysters, prawns, and shrimp (brine and freshwater); production (multi-crops); seaweed; skipjack tuna.
Department of Agricultural Engineering  
**University of Hawaii**  
3050 Maile Way, Gilmore 111  
Honolulu, HI 96822

Phone: (808) 956-8186  
FAX: (808) 956-9269

**Research areas:**  
Interaction between suspended solids and water quality management; saltwater shrimp and oyster co-production.

Chairman  
Department of Microbiology  
**University of Hawaii**  
2538 The Mall, Snyder 207  
Honolulu, HI 96822

Phone: (808) 956-8553  
FAX: (808) 956-5339

**Research areas:**  
Tissue culture and viruses of penaeid shrimps.

Department of Zoology  
**University of Hawaii**  
2538 The Mall, Edmonson 152  
Honolulu, HI 96822

Phone: (808) 956-8617, -7315  
FAX: (808) 956-9111

**Research areas:**  
Endocrinology of growth and reproduction in shrimps and fishes; indicators of aging in shrimp and fish; molecular genetics of shrimp; nutrition in shrimp and fish.

Hawaii Institute of Marine Biology (HIMB)  
**University of Hawaii**  
P.O. Box 1346  
46-007 Lilipuna Rd.  
Kaneohe, HI 96744

Phone: (808) 236-7401  
FAX: (808) 236-7443

**Research areas:**  
Automation in aquaculture; endocrinology of fish as applied to aquaculture; nutrition of fish and crustaceans; ornamental fish culture.

Waianae Coastal Comm. Dev. Corp.  
P.O. Box 630  
85-555 Farrington Hwy  
Waianae, HI 96792

Phone: (808) 696-7241  
FAX: (808) 696-9411

**Research areas:**  
Tilapia production in recirculating tank systems.
IDAHO

Hagerman Field Station
U.S. Fish and Wildlife Service
3059F National Fish Hatchery Road
Hagerman, ID 83332

Phone: (208) 837-4457
FAX: (208) 837-6627

Research areas:
Anadromous fish; coldwater fish; fish nutrition and physiology.

College of Forestry, Wildlife and Range Science
Dept. of Fish and Wildlife
University of Idaho
Moscow, ID 83843

Research areas:
Fish health management; fish diseases; water quality.

ILLINOIS

Fisheries Research Laboratory
Southern Illinois University
Carbondale, IL 62901

Phone: (618) 453-6025
FAX: (618) 536-7761

Research areas:
Culture of sunfish, yellow perch, walleye, hybrid and striped bass, crayfish, and sauger; gene transfer; growth hormones; handling and stress; maintenance of brood fish; off-season spawning; ploidy manipulations; water reuse systems.

Illinois State University
150 Turner Hall
Normal, IL 61761-6901

Phone: (309) 438-3492
FAX: (309) 438-5037

Research areas:
Growth regulation of crawfish and prawns; indoor recirculation systems for tilapia.

Department of Biology
Loyola University of Chicago
6525 N. Sheridan St.
Chicago, IL 60626

Research areas:
Benthic algal succession in Lake Michigan.
INDIANA

Aquatic Biology and Fisheries
Department of Biology
Ball State University
Muncie, IN 47306-0440

Research areas:
Fish and hydroponics experiments; intensive pond culture of fathead minnows.

Aquaculture Extension Specialist
Department of Animal Sciences
1151 Poultry Science Bldg.
Purdue University
West Lafayette, IN 47907-1151

Phone: (317) 494-6264
FAX: (317) 494-9347

Research areas:
Crawfish, bluegill, hybrid striped bass, trout and yellow perch nutrition; production methods in cages, ponds and recirculating systems.

Department of Forestry & Natural Resources
1159 Forestry Building
Purdue University
West Lafayette, IN 47907-1159

Research areas:
Crayfish; dietary development for aquatic animals; hybrid striped bass; role of solid-phase interactions in aquatic toxicity.

IOWA

Department of Animal Ecology
124 Science Hall 2
Iowa State University
Ames, IA 50011

Research areas:
Hybrid striped bass, sunfish, walleye and larval fish culture; recycle aquaculture; trout feed formulations; zooplankton dynamics.

KANSAS
Division of Biology
Kansas State University
Manhattan, KS 66506

Research areas:
Crayfish culture; feed technology.

Department of Biology
Pittsburg State University
Pittsburg, KS 66762

Research areas:
Culture of crappie; cage culture; feeding techniques.
LOUISIANA

Aquaculture Program, James W. Avault, Jr., Program Leader
School of Forestry, Wildlife and Fisheries
Louisiana State University
Baton Rouge, LA 70803-6262

Phone: (504) 388-4131
FAX: (504) 388-4227

Research areas:
Economics and marketing; engineering; feeds and nutrition; food science; genetics; pathology; production systems; statistics; water quality.

Civil Engineering Aquatic Systems Laboratory, College of Engineering
Louisiana State University
Baton Rouge, LA 70803-6405
Phone: (504) 388-8666
FAX: (504) 388-8662

Research areas:
Automation and computer controls; filtration; recirculating systems.

Louisiana Sea Grant College Program Center for Wetland Resources
Louisiana State University
Baton Rouge, LA 70803-7507

Phone: (504) 388-6445
FAX: (504) 388-6331

Research areas:
Automation and control of production systems (algae and soft crayfish); biofiltration; economics; management; hypermedia development and expert systems; recirculating systems design; shrimp reproduction.

Coordinator, Wildlife Management Dept. of Life Science
Northwestern State University
Natchitoches, LA 71497

Crawfish Research Center
University of Southwestern Louisiana
P.O. Box 44650
Lafayette, LA 70504

Phone: (318) 321-5239
FAX: (318) 231-5395

Research areas:
Crawfish research (pond culture, soft-shell production, fish and crawfish polyculture, physiology); non-traditional fish culture (bowfin, sunfish, freshwater drum and minnows); ornamental fish culture (koi carp and goldfish).
MAINE

Provasoli-Guillard Center for Culture of Marine Phytoplankton
Bigelow Laboratory for Ocean Sciences
McKown Point
West Boothbay Harbor, ME 04575

Research areas:
Marine phytoplankton (culture, molecular biology, taxonomy, and ultrastructure).

Phone: (207) 633-2173
FAX: (207) 633-6584

Department of Animal Veterinary and Aquatic Sciences
Hitchner Hall
University of Maine
Orono, ME 04469

Research areas:
Salmonid and shellfish nutrition, management, and health.

Center for Marine Studies
University of Maine
14 Coburn Hall
Orono, ME 04469-0114

Research areas:
Environmental effects of netpen fish farming in the ocean; fish diseases; hatchery enhancement of natural shellfish populations.

Phone: (207) 581-1435

MARYLAND

Center for Environmental and Estuarine Studies
University of Maryland System
Center Operations
P.O. Box 775
Cambridge, MD 21613

Research areas:
Culture of striped bass, crayfish, and oysters; diagnosis and control; nutrition studies; remote setting of oysters.

Phone: (301) 228-9250
FAX: (301) 228-3843
MASSACHUSETTS

New England Aquarium
Harold E. Edgerton Research Laboratory
Central Wharf
Boston, MA 02110

Research areas:
Culture of American lobsters and exotic fish species.

Phone: (617) 973-5252
FAX: (617) 723-6207

Biology Department
Southeastern Massachusetts University
North Dartmouth, MA 02747

Research areas:
Marine macroalgae.

Department of Forestry and Wildlife Management
University of Massachusetts
Amherst, MA 01003

Research areas:
Design of recirculating systems; oxygen transfer.

MICHIGAN

Biology Department
Central Michigan University
Mt. Pleasant, MI 48859

Research areas:
Ecological relationships of fish species; fisheries management and evaluation; spawning sites; distribution of specific fish species in lakes and streams.

Aquatic Research Laboratory
Lake Superior State University
Sault Ste. Marie, MI 49783

Research areas:
Movement and harvest of Atlantic salmon in the Great Lakes; phosphorus pollution from fish rearing.

North Central Regional Aquaculture Center
13 Natural Resources Building
Michigan State University
East Lansing, MI 48824-1222

Phone: (517) 353-1962 or 353-8698

Research areas:
Regional aquaculture extension program; economics and marketing; culture technology for walleye and salmonids; culture of hybrid striped bass, bluegill, crappie and yellow perch.
### Department of Biological Science
1400 Townsend Drive  
Michigan Technological University  
Houghton, MI 49931-1295

**Research areas:**  
Digestive physiology and diet selection; fish ecology; phycology nutrition.

### School of Natural Resources
University of Michigan  
Ann Arbor, MI 48109

**Research areas:**  
Culture of *Clarias* spp.; pond culture of tilapia.

### MINNESOTA

#### Department of Fisheries and Wildlife
200 Hodson Hall  
University of Minnesota  
St. Paul, MN 55108

**Research areas:**  
Broodstock development; culture methods; genetics; reproductive biology; water quality.

#### Center for Water and the Environment
Natural Resources Research Institute  
University of Minnesota- Duluth  
5013 Miller Trunk Hwy.  
Duluth, MN 55811

**Research areas:**  
Culture, harvest and marketing of crayfish; culture of finfish; rearing salmonids in netpens; impacts of aquacultural wastes on receiving waters.

### MISSISSIPPI

#### Delta Branch Experiment Station
P.O. Box 197  
Stoneville, MS 38776

Phone: (601) 686-9311

**Research areas:**  
Catfish, nutrition, and production practices; pond water quality; off-flavor in fish.

#### Gulf Coast Research Laboratory
703 East Beach Boulevard  
P.O. Box 7000  
Ocean Springs, MS 39564-7000

Phone: (601) 872-4200  
FAX: (601) 872-4204

**Research areas:**  
Penaeid shrimp maturation and closed system growout; shrimp and fish parasites and diseases; rearing and toxicity testing (*Mercenaria mercenaria*, *Mysid cyprinidon* and guppy).
Director, Mississippi Agricultural and Forestry Experiment Station
P.O. Drawer ES
Mississippi State, MS 39762-5702

Phone: (601) 325-3005
FAX: (601) 325-3001

Research areas:
Economics and marketing; food processing and safety; health and nutrition of fish; production systems of catfish, hybrid striped bass, redfish, crawfish, and prawns.

Director, Mississippi Cooperative Extension Service
P.O. Box 5446
Mississippi State, MS 39762-5446

Phone: (601) 325-3006
FAX: (601) 325-8407

Research areas:
Provide educational programs in aquaculture.

Department of Wildlife and Fisheries
Mississippi State University
Mississippi State, MS 39762

Research areas:
Catfish nutrition, genetics, and production; hybrid striped bass and red drum production; crayfish and freshwater shrimp nutrition and production.

MISSOURI

The School of Natural Resources
University of Missouri-Columbia
Columbia, MO 65211

Phone: (314) 882-2353

Research areas:
Estimation of food consumption rates in fishes; fish bioenergetics; fish feeding and growth rate responses to interrupted feeding regimes.

MONTANA

Fish Technology Center
U.S. Fish and Wildlife Service
4050 Bridger Canyon Rd.
Bozeman, MT 59715

Phone: (406) 587-9265

Research areas:
Fish culture; fish nutrition control; histopathology; genetics.
NEW JERSEY

Fisheries and Aquaculture Technology Extension Center
Rutgers University
P.O. Box 231
Blake Hall
New Brunswick, NJ 08903

Phone: (908) 932-8959
FAX: (908) 932-6557

NEW YORK

Agricultural and Biological Engineering
302 Riley-Robb Hall
Cornell University
Ithaca, NY 14853

Phone: (607) 255-2280
FAX: (607) 255-4080

Hofstra University Marine Lab
Hofstra University
Hempstead, NY 11550

Phone: (516) 463-5520
FAX: (516) 564-4296

Biology Department
Southampton College
Long Island University
Southampton, NY 11968

Department of Biological Sciences
SUNY Brockport
Brockport, NY 14420

Phone: (716) 395-5750
FAX: (716) 395-2416
Biology Department/ 630013
SUNY
Fredonia, NY 14063

Research areas:
Fish physiology; transgenic fish.

Department of Fisheries and Wildlife
SUNY
Cobleskill, NY 12043

Research areas:
Culture of char, salmon, and trout; economics and marketing; engineering of recirculating and filtration systems; fish processing products and technology.

College of Environmental Science and Forestry
SUNY
Syracuse, NY 13210

Research areas:
Biomass assessment and modelling; environmental contaminants and fish responses; larval fish ecology; culture of salmonids; fish migration patterns; phosphorus contribution by decomposing salmon.

Tunison Laboratory of Fish Nutrition
U.S. Fish and Wildlife Service
3075 Gracie Road
Cortland, NY 13045-9357

Phone: (607) 753-9391
FAX: (607) 753-0259

Research areas:
Fish feed formulation and nutrition; low phosphorus and starter diets; ozonated reuse systems.

NORTH CAROLINA

Sea Grant College Program
P.O. Box 8605
North Carolina State University
Raleigh, NC 27695-8605

Phone: (919) 737-2454
FAX: (919) 737-7095

Research areas:
Hybrid striped bass hatchery and pond production.

Center for Marine Science Research
University of North Carolina at Wilmington
601 South College Road
Wilmington, NC 28406

Phone: (919) 256-3721
FAX: (919) 256-8856

Research areas:
Screening algae for natural products; seagrass micropropagation technologies; seaweed selection for mariculture.
NORTH DAKOTA

Zoology Department
North Dakota State University
Fargo, ND 58105

Research areas:
Aquaculture potential of northern prairie wetlands; saline water effect on hatching (walleye, northern pike, yellow perch); growth and production of chironomidae and salmonids.

OHIO

School of Natural Resources
Ohio State University
2021 Coffey Rd.
Columbus, OH 43210-1085

Research areas:
Nutrition of young fishes.

OKLAHOMA

Department of Zoology
University of Oklahoma
Norman, OK 73019-0235

Research areas:
Exotic fish culture; growth control reproduction management.

OREGON

Coastal Oregon Marine Experiment Station
2030 S. Marine Science Dr.
Newport, OR 97365

Phone: (503) 867-0100
FAX: (503) 867-3078

Research areas:
Fish and invertebrate diseases; microbial ecology and nutrition; polyculture.

PENNSYLVANIA

Fisheries Program, Biology Department
Mansfield University
Mansfield, PA 16933

Research areas:
Intensive culture of tilapia.
Research areas:
Environmental and processing effects on consumer acceptability of tilapia.

Research areas:
Aquaculture engineering; bio-engineering; fish biology, diseases and immunology, and genetics (American shad, Atlantic salmon, lake trout, and striped bass).

Research areas:
Fish feeding behavior and attractants; fish nutrition; fish physiology; water reuse aquaculture.

University of Puerto Rico
Department of Marine Sciences
P.O. BOX 5000
Mayaguez, PR 00681-5000

Research areas:
Genetics; hatchery techniques; nutrition; processing and preservation methods; production systems; water quality.

Research areas:
Bird predation of pond culture fish, culture of red tilapia and Macrobrachium rosenbergii, evaluation of exotics (Colossoma, Cichlasoma, Ampullaria); genetics (Mercenaria mercenaria, Oreochromis).
RHODE ISLAND

Department of Fisheries, Animal & Veterinary Science
University of Rhode Island
Kingston, RI 02881

Research areas:
Molluscan and salmonid aquaculture.

University of Rhode Island
Department of Zoology (Biological Sciences Center)
Kingston, RI 02881-0816

Research areas:
Fish nutrition and growth; lobster nutrition; salmon endocrinology.

Phone: (401) 792-2372

SOUTH CAROLINA

Department of Aquaculture, Fisheries and Wildlife
Clemson University
Lehotsky Hall
Clemson, SC 29634-0362

Research areas:
Environmental requirements of aquaculture species; prevention and treatment of diseases in aquaculture species; production technology for fishes and crayfish.

Phone: (803) 656-3117
FAX: (803) 656-5332 or 0321

James M. Waddell, Jr. Mariculture Research & Development Center
South Carolina Wildlife & Marine Resources Department
P.O. Box 809
Bluffton, SC 29910

Research areas:
Intensive penaeid larval nursery and growout systems (Penaeus vannamei, Penaeus setiferus); tank and pond culture of hybrid striped bass; diet studies with above species.

Phone: (803) 837-3795
FAX: (803) 837-3487

Marine Resources Research Institute
South Carolina Wildlife and Marine Resources Department
P.O. Box 12559
Charleston, SC 29412

Research areas:
Control, genetics and hybridization for hard clams, penaeid shrimp, red drum, and sturgeon; genetics, hatchery, and growout for crustaceans, finfish, and mollusks.

Phone: (803) 795-6350
FAX: (803) 762-5001
Marine Science Program  
University of South Carolina  
Columbia, SC 29208

Research areas:  
Physiology and genetics for shellfish; striped bass genetics; tilapia genetics and over-wintering.

S.C. Aquaculture & Marine Programs International  
Belle W. Baruch Institute  
University of South Carolina  
Columbia, SC 29208

Phone: (803) 777-3925  
FAX: (803) 777-3935

Research areas:  
Culture, genetics, and nutrition for Australian Red Claw; tilapia genetics and nutrition.

SOUTH DAKOTA

Department of Wildlife & Fisheries Science  
South Dakota State University  
P.O. Box 2206  
Brookings, SD 57007-1696

Research areas:  
Development of polyploid fishes.

TEXAS

Aquatic Station  
Southwest Texas State University  
San Marcos, TX 78666

Research areas:  
Culture of endangered fishes and salamanders.

Agricultural Research & Extension Center  
Texas A & M University  
Route 2, Box 589  
Corpus Christi, TX 78410

Research areas:  
Raceway and pond grow-out technology; shrimp diseases, larviculture, maturation, nutrition, and reproduction.

National Fish Hatchery & Technology Center  
U.S. Fish and Wildlife Service  
Rt. 1, Box 159D  
San Marcos, TX 78666

Research areas:  
Blackbass production and broodstock maintenance; striped bass production; culture of endangered darters, paddlefish, and salamanders; zooplankton population studies in ponds.
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<td>Texas</td>
<td>University of Texas Medical Branch at Galveston</td>
<td>Biology and life history of cephalopods; computer controlled aquaculture systems; culture and nutrition of cuttlefish and squid; feed formulation; intensive aquaculture systems; seawater filtration technology; water quality (denitrification and ozonation).</td>
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<tr>
<td>Utah</td>
<td>Zoology Department, Brigham Young University</td>
<td>Bacterial kidney diseases of lobster larvae; heated effluent for fish production; parasites of fish; small pond production.</td>
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<td>Virginia</td>
<td>Old Dominion University, Department of Oceanography</td>
<td>Closed systems; crayfish culture; prawn culture; reproductive biology of gobies and crustaceans; sex reversal in crustaceans; small-scale aquaculture.</td>
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<td></td>
<td>Department of Environmental Sciences, University of Virginia</td>
<td>Aquatic ecology; hydrogeology; microbial ecology.</td>
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<tr>
<td></td>
<td>Virginia Institute of Marine Science, Virginia Institute of Marine Science</td>
<td>Bivalve research; clam farming; oysters (hatchery methods, setting methods); soft shell blue crab shedding in tanks.</td>
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Virginia Polytechnic & State University
Department of Fisheries & Wildlife
77 Cheatham Hall
Blacksburg, VA 24061-0321

Phone: (703) 231-5573
FAX: (703) 231-3330

Research areas:
Economics of production in recirculating systems; genetic manipulation; harvesting systems and techniques; induced spawning; recirculating systems (energy management); seafood handling and processing.

WASHINGTON

Jack Ganzhorn, Fisheries Technology Program
Peninsula College
1502 E. Lauridsen Blvd.
Port Angeles, WA 98362

Research areas:
Marine larval fish culture.

National Fisheries Research Center
Seattle
U.S. Fish and Wildlife Service
Bldg. 204, Naval Station Puget Sound
Seattle, WA 98115-5007

Phone: (206) 526-6282
FAX: (206) 526-6654

Research areas:
Culture and rearing of Pacific halibut (Hippoglossus stenolepsis).

Department of Botany, KB15
University of Washington
430 Hitchcock Hall
Seattle, WA 98195

Research areas:
Algae; water molds.

School of Fisheries, W4-10
University of Washington
Aquaculture Division
203 Fisheries Center
Seattle, WA 98195

Research areas:
Culture of shellfish, salmon and trout; fisheries genetics and physiology.

Department of Zoology
Washington State University
Pullman, WA 99164-4236

Research areas:
Genetics and reproductive manipulation of salmonid fishes.
WEST VIRGINIA

Fish Culture and Ecology Laboratory
U.S. Fish and Wildlife Service
P.O. Box 700
Kearneysville, WV 25430

Phone: (304) 725-8461
FAX: (FTS) 925-5265

Research areas:
Culture of striped and hybrid striped bass
genetic manipulation, nutrition, physiology and
reproduction, phycology, and tagging.

National Fish Health Research Laboratory
U.S. Fish and Wildlife Service
P.O. Box 700
Kearneysville, WV 25430

Phone: (304) 725-8461

Research areas:
Bioengineering; diet development; feeding
stimulants and nutrition; DNA fingerprinting;
fish health (immunology and diagnostics);
genetics; hatchery effluent; water reuse.

Division of Forestry
West Virginia University
P.O. Box 6125
Morgantown, WV 26505

Research areas:
American shad (environmental requirements of
larval and juvenile stages; induced ovulation).

WISCONSIN

National Fisheries Research Center-
La Crosse
U.S. Fish and Wildlife Service
P.O. BOX 818
La Crosse, WI 54602-0818

Phone: (608) 783-6451
FAX: (608) 783-6066

Research areas:
Chemical and drug registration oriented
research.

Aquaculture Research Center
123 Babcock Hall
University of Wisconsin-Madison
Madison, WI 53706

Phone: (608) 263-2003
FAX: (608) 262-6872

Research areas:
Culture of salmonids, walleye, and yellow
perch; endocrinology; flow-through systems;
genetics; physiology; pond culture.
Center of Limnology
University of Wisconsin
Madison, WI 53706

Research areas:
Ecology (long term, trophic, community, physiological, population, and marine).
# Subject Index

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