

2024

The Florida State University Coastal  
& Marine Laboratory Publications  
1951-2024



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# Forward

The Florida State University has had saltwater flowing through its veins since establishing the Oceanographic Institute in 1949, the year the Florida Women's College became the co-ed university that we know today. The Oceanographic Institute started on 25 acres on the harbor side of the peninsula that forms Alligator Harbor, about 45 miles south of Tallahassee.

The university until 1954 maintained two other field stations, including one at Mayport on the St. Johns River near Jacksonville, and one on Mullet Key at the mouth of Tampa Bay. The Mayport Station focused on menhaden and shrimp fisheries and oceanographic problems associated with the Gulf Stream and the mouth of the St. John's River. Not surprisingly, the Tampa Station focused on red tide.

In 1966, the Oceanographic Institute closed when FSU formed the Department of Oceanography on the main campus. By 1968, a new facility sprang up across the harbor and further to the west on land donated to Florida State University by Ed Ball. A brief history of the laboratory appears on the FSUCML website here: <https://marinelab.fsu.edu/aboutus/history> and a more in depth one appears here <https://marinelab.fsu.edu/aboutus/documents/evolutionFSUCML.pdf> in an article published by Dr. Michael Greenberg (Director 1978-1980), Dr. William F. Herrnkind (Director 1980-1985), and Dr. Felicia C. Coleman (Director 2006 - 2020) in *Gulf of Mexico Science*.

This document contains a list of all the publications that we could find that used one of the FSU's marine stations as a research site or conducted research with the technical or scientific support of personnel on staff at those stations. It is a living document that the FSUCML has been piecing together from current and past students, faculty, and other scientists affiliated with either the Florida State University Oceanographic Institute, the Florida State University Coastal and Marine Laboratory (formerly the FSU Marine Lab) or both.

If you know of other publications that should be added to the list, please do not hesitate to send them to the laboratory at [fsucml@fsu.edu](mailto:fsucml@fsu.edu)

# FSUCML Publications

## 1951 - 1970

- Abbott, R. T. 1952. Two new opisthobranch mollusks from the Gulf of Mexico belonging to the genera *Pleurobranchaea* & *Polycera*. [Including: Additional notes on *Polycera hummi*.]. 1-7, pls. 1, 2. Florida State University, Tallahassee, FL.
- Abbott, R. T. 1952. Two new opisthobranch mollusks from the Gulf of Mexico belonging to the genera *Pleurobranchaea* and *Polycera* (including additional notes on *Polycera hummi*). Florida State University Studies: Papers from the Oceanographic Institute 7:1-7.
- Abele, L. G. 1970. The marine decapod crustacea of the northeastern Gulf of Mexico. M. Sc. Florida State University, Tallahassee, FL.
- Agarwal, R. A., and M. J. Greenberg. 1968. Cardiac pharmacology in molluscs with blood of low osmotic pressure. Federation Proceedings 27:580-&.
- Agarwal, R. A., and M. J. Greenberg. 1969. A comparative study of cardioactive agents from bivalve tissue. Comparative Biochemistry and Physiology 31:835-&.
- Agarwal, R. A., P. Ligon, and G. M. J. 1969. Distribution of Cardioactive Agents in Molluscan Tissue. American Zoologist 9:1107-&.
- Alberts, J. 1970. Inorganic controls of dissolved phosphorus in the Gulf of Mexico. Dissertation. Florida State University, Tallahassee, FL.
- Anderson, N. G. 1970. A computer-assisted method for storage, retrieval, and sorting of biologic data from underwater photographs. MS. Florida State University, Tallahassee, FL.
- Andren, A. W. 1970. Atmospheric chemistry in coastal and marine environments. MS. Florida State University, Tallahassee, FL.
- Avent, R. M. 1970. The effects of hydrostatic pressure on selected intertidal and shallow water animals. MS. Florida State University, Tallahassee, FL.
- Bishop, J. M. 1970. Burying, growth, and molting of pink shrimp, *Penaeus duorarum*, under selected photoperiods of white light and UV-light. MS. Florida State University, Tallahassee, FL.
- Borror, A. C. 1961. Morphology and ecology of the benthic ciliated protozoa of Alligator Harbor. Ph. D. Florida State University, Tallahassee, FL.
- Branham, J. M. 1958. An ecological survey of the ascidians of Alligator Harbor, Florida, and the adjacent Gulf of Mexico. M. Sc. Florida State University, Tallahassee, FL.
- Branham, J. M. 1963. Inhibition of fertilization by *Fucus* extracts. PhD. Florida State University, Tallahassee, FL. Brogden, W. B. 1968. Modifications of hydrocarbons and fatty acids in sediments by marine bacteria. MS. Florida State University, Tallahassee, FL.
- Bruno, R. O. 1970. Longshore current system Panama City to Pensacola, Florida. MS. Florida State University, Tallahassee, FL.
- Carpenter, D. G. 1951. A study of the ecology, distribution and taxonomy of the Polychaetous Annelids of the Alligator Harbor area, Franklin County, Florida. M. Sc. Florida State University, Tallahassee, FL.
- Collier, A. 1963. Oceanographic Institute, Florida State University. American Zoologist 3:272-273.
- Cupka, D. 1970. Observations on the biology and bathymetric distribution of the bathybenthic octopod *Opisthoteuthis agassizi* (Mollusca: Cephalopoda). MS. Florida State University, Tallahassee, FL.
- Curl, H. C. 1953. The phytoplankton of Apalachee Bay and the Northeastern Gulf of Mexico Ph. D. Florida State University Oceanographic Institute., Tallahassee, FL.
- Curl, H. C., Jr. 1956. The hydrography and phytoplankton ecology of the inshore, Northeastern Gulf of Mexico Ph. D. Florida State University, Tallahassee, FL.
- Echternacht, K. 1970. Periodicities in near-surface currents. MS. Florida State University, Tallahassee, FL.

- Greenberg, M. J. 1955. Some chemical and physiological properties of the jelly-coat of the egg of *Lytechinus variegatus*. MA. Florida State University, Tallahassee, FL.
- Grice, G. D. 1953. A qualitative and quantitative seasonal study of the copepoda and cladocera of Alligator Harbor. M. A. Florida State University, Tallahassee, FL.
- Grose, P. L. 1966. The stratification and circulation of the subsurface waters of the Gulf of Mexico. MS. Florida State University, Tallahassee, FL.
- Hargis, W. J., Jr. 1954. Monogenetic trematodes of some Gulf of Mexico fishes. Ph. D. Florida State University, Tallahassee, FL.
- Hathaway, R. R. 1961. Studies on interactions between spermatozoa and eggs of *Arbacia punctulate* and other echinoderms. Ph.D. Florida State University, Tallahassee, FL.
- Hoagland, P. D. 1958. Investigations of turbidity in Alligator Harbor. M. Sc. Florida State University, Tallahassee, FL.
- Holliman, R. B. 1960. Trematode cercariae from the Apalachee Bay area, with a summary of the literature on marine cercariae of the world. Ph. D. Florida State University, Tallahassee.
- Horvath, G. J. 1968. The sedimentology of the Pensacola Bay system, northwestern Florida. MS. Florida State University, Tallahassee, FL.
- Humm, H. J. 1953. Checklist of the marine fauna and flora of the St. Georges Sound-Apalachee Bay Region, Florida Gulf Coast Third edition. Florida State University Oceanographic Institute, Tallahassee, FL.
- Joseph, E. B. 1952. The fishes of Alligator Harbor, Florida, with notes on their natural history M. Sc. Florida State University, Tallahassee, FL.
- Kahn, M. I. 1970. The significance of the intraspecific variability of living *Globigerina dutertrei* D'Orbigny 1839 in a selected environmental range. MS. Florida State University, Tallahassee, FL.
- Knauer, G. A. 1969. The concentration of Manganese, Iron, Copper, Zinc, and Magnesium in Penaeid shrimp. MS. Florida State University, Tallahassee, FL.
- Lee, T. N. 1967. Sea surface temperature as related to circulation in the Gulf of Mexico. MS. Florida State University, Tallahassee, FL.
- Ligon, P. B. 1970. Distribution of cardioactive agents in molluscan tissues. MS. Florida State University, Tallahassee, FL.
- Little, F. J., Jr. 1958. The sponge fauna of the St. George's Sound, Apalachee Bay, and Panama City regions of the Florida Gulf coast Florida State University, Tallahassee.
- Martens, C. S. 1969. The inhibition of inorganic marine apatite precipitation by Magnesium ions. MS. Florida State University, Tallahassee, FL.
- Menzel, R. W. 1956. Annotated checklist of the marine fauna and flora of the St. George's Sound--Apalachee Bay region, Florida Gulf Coast. Florida State University, Tallahassee, FL.
- Meyer, S. L., and R. H. Williams. 1955. The Oceanographic Institute of Florida State University. AIBS Bulletin 5:28-29.
- Morrill, J. B. 1958. A study of amino acids and proteins in two species of *Tubularia* and their relationship to regeneration. Ph.D. Florida State University, Tallahassee, FL.
- Murday, M. 1970. High-frequency fluctuations of humidity, temperature and horizontal wind from subcloud tethered-balloon telemetry system. MS. Florida State University, Tallahassee, FL.
- Naqvi, S. M. 1966. Effect of predation on infaunal invertebrates of Alligator Harbor region Florida State University, Tallahassee, FL.
- Nichy, F. E. 1956. The effect of predators on the mortality of oysters in a high salinity area in Florida. MS. Florida State University, Tallahassee, FL.
- Olson, F. C. W. 1955. The hydrography of Alligator Harbor, Franklin County Florida. Florida State University Oceanographic Institute Contribution no. 28:172.

- Pastula, E. J. 1967. The ecology and distribution of recent foraminifera of Choctawhatchee Bay, Florida. MS. Florida State University, Tallahassee, FL.
- Paul, A. Z. 1970. Benthic diversity and oligomixity at the Cariaco Trench, Venezuela, a preliminary analysis. MS. Florida State University, Tallahassee, FL.
- Pierce, S. K. 1970. Water balance in the bivalved molluscs. PhD. Florida State University, Tallahassee, FL.
- Reinschmidt, D. C. 1969. Regeneration in the sea cucumber *Thyonella gemmata* (Pourtales). MS. Florida State University, Tallahassee, FL.
- Sastry, A. N. 1961. Studies on the bay scallop, *Aequipecten irradians concentricus* Say, in Alligator Harbor, Florida. Ph. D. Florida State University, Tallahassee, FL.
- Sears, W. H. 1963. The Tucker site on Alligator Harbor, Franklin County, Florida. University of Florida, Gainesville, FL. Smith, G. N., Jr. 1969. Regeneration in the Apodous holothurian, *Leptosynapta crassipatina*. Ph. D. Florida State University, Tallahassee, FL.
- Stahl, L. E. 1970. The marine geology of Tampa Bay. MS. Florida State University, Tallahassee, FL.
- Stakhiv, E. Z. 1968. The dependence of the circulation in the surface waters of the Gulf of Mexico upon the horizontal distribution of the surface temperature. MS. Florida State University, Tallahassee, FL.
- Tiffany, W. J. 1968. The life cycle and ecology of the beach clam *Donax variabilis* say (Mollusca: Pelecypoda: Donacidae). MS. Florida State University, Tallahassee, FL.
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- Townsend, B. C. 1956. A study of the spot, *Leiostomus Xanthurus* Lacepede, in Alligator Harbor, Florida. M. Sc. Florida State University.
- Trott, L. B. 1960. A quantitative study of certain benthic communities in Alligator Harbor. M. Sc. Florida State University, Tallahassee, FL.
- Turner, R. R. 1970. The significance of color banding in the upper layers of Kara Sea sediments. MS. Florida State University, Tallahassee, FL.
- Wass, M. L. 1953. A study of the decapoda of Alligator Harbor and adjacent littoral areas. M. Sc. Florida State University, Tallahassee, FL.
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- White, D. B. 1970. The effects of some mercurials on photosynthesis of naturally occurring phytoplankton populations and on the marine diatom, *Nitzschia delicatissima* Cleve. MS. Florida State University, Tallahassee, FL.
- Wilkins, L. A. 1970. Electrophysiological studies on the heart of the bivalve mollusc *Modiolus demissus*. Ph. D. Florida State University, Tallahassee, FL.
- Yentsch, C. S. 1953. Some of the factors influencing distribution of sessile invertebrates in Alligator Harbor, a neutral estuary. M. Sc. Florida State University, Tallahassee, FL.
- Young, R. S. 1956. Studies on morphogenesis and differentiation in the sea urchin, *Lytechinus variegatus*. PhD. Florida State University, Tallahassee, FL.

# FSUCML Publications

## 1971 - 1990

- Adams, R. O. 1980. Investigations of color, morphology and development of the sea whip, *Leptogorgia virgulata*, (Lamarck) (Cnidaria: Octocorallia: Gorgonacea). PhD. Florida State University, Tallahassee, FL.
- Agarwal, R. A., P. J. B. Ligon, and M. J. Greenberg. 1972. Distribution of cardioactive agents among molluscan species and tissues. *Comparative and General Pharmacology* 3:249- &.
- Ahlfeld, T. E. 1977. A disparate seasonal study of reproduction of eight deep-sea macroinvertebrate species from the northwestern Atlantic Ocean. PhD. Florida State University, Tallahassee, FL.
- Albert, J. L., and W. R. Ellington. 1985. Patterns of Energy-Metabolism in the Stone Crab, *Menippe Mercenaria*, During Severe Hypoxia and Subsequent Recovery. *Journal of Experimental Zoology* 234:175-183.
- Allard, M. 1988. Heavy mineral analysis of inner continental shelf sediments, northeastern Gulf of Mexico M. Sc. Florida State University.
- Aller, C. C. 1976. A survey of particulate and dissolved organic carbon along the continental shelf of the northeastern Gulf of Mexico. Florida State University, Tallahassee, FL.
- Allison, M. D. 1976. Distribution and systematics of the deep-sea ectoproct *Levinsenella*. MS. Florida State University, Tallahassee, FL.
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- Anderson, L. C. 1985. The Vegetation of Dog Island, Florida. *American Journal of Botany* 72:936-936.
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- Austin, H. M. 1971. The characteristics and relationships between the calculated geostrophic current component and selected indicator organisms in the Gulf of Mexico loop current system. PhD. Florida State University, Tallahassee, FL.
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- Baird, B. H., and D. Thistle. 1986. Uptake of Bacterial Extracellular Polymer by a Deposit-Feeding Holothurian (*Isostichopus-Badionotus*). *Marine Biology* 92:183-187.
- Barbee, S. J. 1971. Temporal distribution of interstitial fauna in a beach and in a sandflat with respect to physical factors. MS. Florida State University, Tallahassee, FL.
- Beckett, M. P. 1979. Hydrocarbons associated with particulate matter in the northern Gulf of Mexico. MS. Florida State University, Tallahassee, FL.
- Berg, W. W., and J. W. Winchester. 1977. Organic and inorganic gaseous chlorine concentrations in relation to the particle size distribution of chloride in the marine aerosol. *Journal Geophys. Res.* 82:5945-5953.

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- Berg, W. W. J. 1976. Chlorine chemistry in the marine atmosphere. Ph. D. Florida State University, Tallahassee, FL. Blackwell, J. F. 1976. Shell ultrastructure and regeneration in two species of the archeogastropod, *Tegula* (Mollusca). MS. Florida State University, Tallahassee, FL.
- Blackwell, J. F., L. F. Gainey, and M. J. Greenberg. 1977. Shell ultrastructure in 2 subspecies of ribbed mussel, *Geukensia-Demissa* (Dillwyn, 1817). Biological Bulletin 152:1-11.
- Brady, K. D. 1981. Seasonal and spatial distribution of ichthyoplankton in seagrass beds of Apalachee Bay Florida State University, Tallahassee.
- Brogden, W. B. 1971. Characterization of freshwater and estuarine humic acids by molecular weight distribution. PhD. Florida State University, Tallahassee, FL.
- Brooks, H. K. 1973. Geological oceanography. Pages IIE-1 to IIE-49 in J. I. Jones, R. Ring, M. Rinkel, and R. Smith, editors. A Summary of Knowledge of the Eastern Gulf of Mexico: 1973. State University System of Florida. Institute of Oceanography., St. Petersburg, Florida.
- Brooks, W. R., and R. N. Mariscal. 1985. Asexual Reproduction by the Symbiotic Sea-Anemone *Calliactis-Tricolor* (Lesueur). Bulletin of Marine Science 36:432-435.
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- Brooks, W. R., and R. N. Mariscal. 1986. Population Variation and Behavioral-Changes in 2 Pagurids in Association with the Sea-Anemone *Calliactis-Tricolor* (Lesueur). Journal of Experimental Marine Biology and Ecology 103:275-289.
- Brower, W. A. 1971. A comparison of the energy exchanges at the tropical sea-air interface based on data collected by the FSU Triton Spar-type Buoy and the CGSS Discoverer. MS. Florida State University, Tallahassee, FL.
- Brown, D. T., G. F. Morris, N. Chodchoy, C. Sprecher, and W. F. Marzluff. 1985. Structure of the Sea-Urchin U1 Rna Repeat. Nucleic Acids Research 13:537-556.
- Buckley, E. N. 1973. The fishes of the Apalachicola Bay system with reference to life history, abundance, distribution and species diversity. BS Honors Thesis. Florida State University, Tallahassee, FL.
- Butterworth, M. 1982. Shell utilization by *Octopus joubini*. M. Sc. Florida State University, Tallahassee, FL.
- Byrne, C. J. 1976. The effects of the water soluble fractions of crude and refined oils on the larvae of the quahog clam, *Mercenaria sp.* MS. Florida State University, Tallahassee, FL.
- Carman, K. R. 1984. In situ experimental evidence for dietary differences in four species of co- occurring benthic copepods (Crustacea). M. Sc. Florida State University, Tallahassee, FL.
- Carman, K. R. 1989. Radioactive tracers as a tool for the study of in situ meiofaunal-microbial trophic interactions in marine sediments. Ph. D. Florida State University, Tallahassee, FL.
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- Clarke, J. R. 1976. The effect of high pressure on the physiology and pharmacology of the hearts of bivalve molluscs. Ph. D. Florida State University, Tallahassee, FL.
- Clements, W. H. 1982. Feeding ecology of filefish (Pisces: monacanthidae) in Apalachee Bay, Florida. Florida State University, Tallahassee, FL.
- Cook, N. W. 1977. A preliminary investigation of the distribution of phosphorus in North Atlantic Ocean deep sea and continental slope sediments. MS. Florida State University, Tallahassee, FL.
- Cruise, J. 1971. The planktonic shrimp genus *Lucifer*: its distribution and use as an indicator organism in the eastern Gulf of Mexico. MS. Florida State University, Tallahassee, FL.
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- Dennis, R. E. 1981. The role of the seagrass *Syringodium filiforme* and sediment stability on benthic harpacticoid copepods. M.Sc. Florida State University, Tallahassee, FL.
- Dobbs, F. C., and J. B. Guckert. 1988. Callianassa-Trilobata (Crustacea, Thalassinidea) Influences Abundance of Meiofauna and Biomass, Composition, and Physiologic State of Microbial Communities within Its Burrow. *Marine Ecology-Progress Series* 45:69-79.
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- Doble, K. 1981. The effects of FMRFamide, the EnKephalins, and their analogs on the clam rectum. MS. Florida State University, Tallahassee, FL.
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- Farrell, D. H. 1974. Benthic ecology of Timbalier Bay, Louisiana, and adjacent offshore areas in relation to oil production. PhD. Florida State University, Tallahassee, FL.
- Foy, M. S. 1990. On the vertical distribution of a harpacticoid copepod. M. Sc. Florida State University, Tallahassee, FL. Froelich, P. N., G. A. Hambrick, L. W. Kaul, J. T. Byrd, and O. Lecoite. 1985. Geochemical Behavior of Inorganic Germanium in an Unperturbed Estuary. *Geochimica Et Cosmochimica Acta* 49:519-524.
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