

## **Richard Grant Gilmore, Jr., Ph.D.**

**Fish Ecologist, Senior Research Scientist**  
**Estuarine Coastal and Ocean Science, Inc. & Tropical Ecoscience,**  
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**54 Years** Marine Research, Tropical Americas, Gulf, Atl., Fla. and Public Education.

**Principal research** in study of tropical and subtropical freshwater, coastal and ocean fish biology/ecology and taxonomy using innovative tools (bio-acoustics, robotics, manned submarines, sonar/cameras). Emphasis is on observational technologies, active & passive acoustics, quantitative capture methods in estuaries, mangrove forest, freshwater tributaries, shallow and deep reef formations to depths of 1,000 m (3,000 ft). Studies supported by federal, state and private grants. 100+ pubs., 40+ tech.rpts.

**Research Topics include** life history, ecology and reproductive biology of sharks, groupers, drum, trout, croakers, snook, tarpon, gobies, various other estuarine fishes, ecology of seagrass and mangrove fish assemblages, sound production in fish/dolphins, descriptions of new species captured with manned submarines (over 350 sub dives 1,000-3,000 ft) on deep sea expeditions, West Indies, Bahama Islands, Central America, Cuba, Galapagos Is. 1982-1998. Chief scientist on Expeditions by Discovery Channel, National Geographic, NASA/U.S. Navy, and Harbor Branch Oceanographic Inst.. From 1987 to present over twenty-five national and international 1-3 hr television documentary programs, National Geographic Society, Discovery, Audubon, Animal Planet, New Zealand TV and FOX, two NPR radio programs, “Living on Earth” series. Write popular column for Florida Sportsman Magazine.

**EMPLOYMENT: Estuarine, Coastal and Ocean Science, Inc. = ECOS 2004- Present**, President, Senior Scientist, Marine research and technology development on federal, state, regional and private contracts. Emphasis is on fish ecology and public education. & Not-for-Profit: **Tropical Ecoscience, Inc. - NASA/Dynamac Corp. Kennedy Space Center 5 yrs (1999-2004)** marine research and technology development program. **Link Project, NOAA-NASA collaboration in space and ocean technology development.**

- **Harbor Branch Oceanographic Institution** (Fort Pierce) research scientist **27 yrs. (1971-1998)** **Chief scientist** on seven international deep sea expeditions, using JSL submarines in the tropical western Atlantic, **West Indies, Bahama Islands, Cuba** and **Central America**, 1978 to 1998.. Co-PI, **Galapagos Islands** expedition 1995.

- Principal investigator and co-principal investigator on various fish studies in estuaries around Florida (Gulf and Atlantic) and Georgia-Carolinas.

- 100+ scientific publications, ten book chapters; authored monthly column for (Sportsman’s Biologist)

**Fla. Sportsman Mag.** 2008-2012. 3 mill. subscribers

- 25+ **Discovery, National Geographic**, New Zealand network and NPR educational programs, aired on national and international networks, 1987 - 2024.

- Active in regional aquatic conservation and fishery management programs including Everglades Restoration, Oculina Coral reef MPAs and Indian River Lagoon, Tampa Bay habitat management

- won 100+ grant awards for research and education programs from 57 different funding entities throughout the United States and Canada.

- **Adjunct and Joint Appointment Professor**, 1972- 2014 adjunct, associate prof., professor at: Fla.Institute Technology, Fla.Atlantic Univ, Univ.South Fla., Univ. Miami, Friei Universtat Berlin, Indian River State College, Nova SE. Univ., Harbor Branch Oceanographic Institution, having graduated **39 graduate students in marine sciences, 35 Master of Science, 3 Ph.D.**

**Graduate:** BS 1969, MS 1972, Univ. West Florida; Ph.D. 1988, Florida Institute of Technology.

**Edited: July 2024.**

