Richard Grant Gilmore, Jr., Ph.D.

Fish Ecologist, Senior Research Scientist
Estuarine Coastal and Ocean Science, Inc. & **Tropical Ecoscience**,
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56 Years Marine Research, Tropical Americas, Gulf, Atlantic, E. Pacific, 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 104 federal, state and private grants, 1976-2023. 134 pubs., 42 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 2004-2024, 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.
- 134 scientific publications, ten book chapters; authored monthly column for (Sportsman's Biologist) **Fla. Sportsman Mag**. 2008-2012. 3 million subscribers
- 25+ National and Internationally televised **Discovery, National Geographic**, New Zealand network and NPR educational programs, 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., RSMAS-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.
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