

The book is a multi-authored book of 18 chapters comprising the state of the art work of all relevant topics on modern fish histology from 28 authors from ten countries. The topics include Introduction to Histological Techniques, Integument, Fish Skeletal Tissues, Muscular System, Structure and Function of Electric Organs, Digestive System, Glands of the Digestive Tract, Swim Bladder, Kidney, Ovaries and Eggs, Egg Envelopes, Testis Structure, Spermatogenesis, and Spermatozoa in Teleost Fishes, Cardiovascular System and Blood, Immune System of Fish, Gills: Respiration and Ionic-Osmoregulation, Sensory Organs, Morphology and Ecomorphology of the Fish Brain, and Endocrine System. Structural and functional aspects are treated and in a comparative way fish diversity at various taxonomic levels is integrated.

Frank Kirschbaum is a retired Professor at the Humboldt University of Berlin. He obtained his PhD from the University of Cologne in 1972. As postdoc he worked in Gif sur Yvette (France) performing studies on the reproduction and ontogeny of weakly electric fishes. Back in Cologne he did his Habilitation in 1984. The next steps were the Free University and then the Humboldt University in Berlin where he became Head of the Department of Biology and Ecology of Fishes and at the same time he led the Department Biology and Ecology of Fishes at the Leibniz-Institute of Freshwater Ecology and Inland Fisheries. Teaching activities comprised fish biology, tropical fish communities, fish systematics, and histology.

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