

DISEASES OF FISHES

BACTERIAL DISEASES OF FISHES AND IDENTIFICATION OF FISH PATHOGENIC BACTERIA

**George Hadwin
Medwin Gale**



Diseases of Fishes: Bacterial Diseases of Fishes and Identification of Fish Pathogenic Bacteria

**George Hadwin
&
Medwin Gale**



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DISEASES OF FISHES

BACTERIAL DISEASES OF FISHES AND IDENTIFICATION OF FISH PATHOGENIC BACTERIA

Fish Diseases and disorders trilogy addresses infectious diseases of fish and their disorders that arise due to viruses bacteria and fungi. The present book attempts to be something of usefulness, as well as being easy to handle and to understand, not only to the specialist, who is occupied with full time with study of fish biology, but also for the veterinarians and fishes. The text is presented in an orderly fashion, so that it may be better utilized by the readers. The tables for the diagnosis and the treatment of the disease have the same object in view. Epidemics of bacterial diseases are common in dense populations of cultured food or aquarium fish. Predisposition to such outbreaks frequently is associated with poor water quality, organic loading of the aquatic environment, handling and transport of fish, marked temperature changes, hypoxia, or other stressful conditions. Most bacterial pathogens of fish are aerobic, gram-negative rods. Diagnosis is by isolation of the organism in pure culture from infected tissues and identification of the bacterial agent. Sensitivity testing before antibiotic use is recommended. The book is well written and contains updated information that reflects new developments in the field.

Contents: Bacterial Diseases of Fishes; Bacterial Infections of Fishes; Bacterial Pathogens of Fish; Common Fungal Diseases of Fish and their Control Measures; Fish Disease and Human Health; Aquarium Bacterial Diseases of Fish; Fish Diseases and Parasites in Marine Fishes; Spoilage of Fish Process, Health Management and its Prevention; Fish Diseases, Pests and their Control.

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George Hadwin has earned B.Sc. Veterinary Science and M. Sc. Veterinary Science from College of Veterinary Science and Natural Resources, University of Wyoming. He is very active research scholar in Veterinary Science. His area of interest is Veterinary Science, Livestock Management, agricultural economics, and agricultural engineering. He has a research experience more than 10 years in reputed organizations and qualifies in Veterinary Science. He has contributed many research papers in National and International journals.

Medwin Gale is a Mechanical Engineer with over 25 years of professional experience. During his long service, he has worked as a site engineer, a research worker, a professor, a post graduate guide, a consultant, and an advisor. He has conducted over 50 training programs on various aspects of Construction Technology to train site engineers of major construction and shipping companies. He has also delivered over 75 technical lectures on the subject Construction Technology and related topics to Architects, Builders, Manufacturing, Structural consultants and other professional engineers, all over India and abroad. A very large number of students all over the country have been immensely benefitted by the books he has written. He has an experience of teaching the subjects of Engineering for about 20 years.



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