

Contents

Preface

(v)

1. **Freshwater Fish Diseases and Disorders** 1
 - Freshwater Fish Disease; Fish Diseases; Bacterial Diseases of Fish; Blood Viscosity as a Factor in All Metabolic Diseases; Disorders of the Swim-Bladder; Carnitine Biosynthesis and Metabolism; Secondary Genetic Carnitine Deficiency; Aquarium Fish Diseases
2. **Freshwater Fish Ponds** 49
 - Renovation Of Existing Ponds; Culture-based Fisheries; Aquaculture Development and Support Planning; Pond fertilization for fish culture; Filling the pond at different stages and pond management; Freshwater Prawn Farming; Freshwater Pearls; Fish Farming with Plam Trees
3. **Fish Parasite** 88
 - Parasites; Spreading Disease and Parasites; Fisheries In The Basin and Cold Water Upland Fisheries; Fish Samples Comprising; Parasitic Protozoa; Parasitic Worms; Parasites and Pollution; Epidermal Parasitic Skin Diseases; Parasites in Marine Fishes; Parasites Transmitted from Fish to Humans
4. **Pathogens in Marine and Freshwater Environments** 131
 - Freshwater Environment; Disease Control for Human Enteric Viruses; Open access resource of Marine Fish; Marine Migrations and Food Chain; Resources Potential In Marine Fisheries; Effect of environmental alteration on resource degradation ; Institutional strength for fisheries development, management and research ; Rules of the Marine Fisheries Ordinance ; Current Status of Marine

Fisheries; Fishing and Large Marine Ecosystems;
Herbivorous Fishes from Coral Reef Ecosystems; Ecological
Degradation of Marine Ecosystems; Expansion of marine
production

5. Freshwater Fish Culture	191
• Types Of Fish Culture; Principles in Fish Culture; Technical aspects of fish culture ; Fish Culture: System and Practices; Systems of Fish Culture; Conclusion	
6. Fish Ecosystem	227
• Effects of Fishing on Benthic Ecosystems; Pond ecosystem; Multiple Impacts on Ecosystems; Pond environmental monitoring	
Bibliography	249
Index	253