

A bibliography of parasites and diseases of marine and freshwater fishes of India

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A total of 531 references on the parasites and diseases of marine and freshwater fishes of India which appeared in 90 scientific journals have been documented.

I. INTRODUCTION

With the increasing demand for fish as human food, aquaculture both in freshwater and salt water is rapidly developing over the world. In the developing countries, fishes are being raised as food. In many countries fish farming is a very important economic activity. The most recent branch, mariculture, has shown advances in raising fishes in brackish, estuarine and bay waters, in which marine, anadromous and catadromous fishes have successfully been grown and maintained.

The parasites and diseases of fish constitute one of the most important problems confronting the modern fish culturist. Pathological conditions resulting from parasites and diseases assume high magnitude under crowded and unnatural conditions. Under such circumstances, losses from communicable diseases can reach catastrophic proportions.

In recent years, with the advancement of science and technology of aquaculture, the importance of the diseases of fishes has been realised and efforts are being made to intensify work in this field in several regions of the world. There is an increasing demand for information on the diseases and parasites of fishes and their control. Fish pathology has generally been a neglected field in the Asian and far Eastern countries. The progress of fish culture in these regions is taking rapid strides and thereby, creating conditions favourable for fish diseases. Most of the information available relates to systematic studies and it is only in recent years that attention has been paid, in some of the countries to a proper understanding of the infections which either cause, or are likely to cause damage to cultured fishes.

In India there have been studies on parasites and diseases, the majority of which deal with the systematics of parasites. Information on the nature and intensity of different diseases and their control is meagre. With the application of intensive methods of fish culture in this country, and the composite fish culture techniques developed, it is imperative to intensify studies on the pathology of fishes. To help such studies, the authors have collected references on this subject many of which are widely scattered and therefore inaccessible to workers in this field.

This is the first bibliography on parasites and diseases of marine and freshwater fishes of India. It includes 531 papers which appeared in 90 journals. The abbreviations of journals have been listed according to the World List of Scientific Periodicals.

The bibliography is not claimed to be complete. The scope of the bibliography has been limited to work conducted in India.

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