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REPORT



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ORIGINAL ARTICLE

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RECORD OF MYXOZOAN PARASITES OF THE GENUS MYXOBOLUS FROM FRESHWATER FISHES

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Somatkar J. R.

ABSTRACT

The present study is undertaken to study the Myxozoan parasites found in locally available freshwater fishes. Myxozoan parasites were isolated from freshwater fishes mainly the Indian major carps collected from various water resources in the Washim region of Maharashtra, India. The Myxozoan parasites reported and morphologically described are *Myxobolus mrigalhitae*, *Myxobolus basui* and *Myxobolus labaghensis*. These Myxozoan parasites are recorded with heavy infection on gill tissue forming plasmodia and the kidney of freshwater fishes.

Article Indexed in



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REVIEW OF THE ARTICLE

Record Of Myxozoan Parasites Of The Genus Myxobolus From Freshwater Fishes

Somatkar J. R. and D. S. Dabhade

Abstract:

The present study focused at Record Of Myxozoan Parasites Of The Genus Myxobolus From Freshwater Fishes. The title was clear and well articulated. The abstract was complete and essential details were presented.

Introduction:

Myxozoa are parasites that are widely dispersed in pond reared fish. Myxozoans are one of the economically important groups of microscopic metazoan parasites as they infect fish harvested for food. New myxosporean pathogens are continually emerging and threatening the development of pisciculture allover the world. Introduction was justifying. Significance of the area under study mentioned clearly in Introduction.

Methodology:

Methodology was described completely. The present study was undertaken to study the Myxozoan parasites found in locally available freshwater fishes. The collected fishes were brought to laboratory for necropsy procedure for examination of Myxozoan parasites. For temporary mounting of parasites Lugol's solution is used and for permanent preparation, a smear using fresh spores is prepared and allowed to air dry.

Reference to the Literature and Documentation:

The literature review was up-to-date. The number of references was appropriate and their selection is judicious. The review of the literature was well integrated. .

Presentation of Results:

Results were presented with proper presentation. Results were clear and focused. Morphometric observation on *Myxobolus lalbaghensis* in the present study are in conformity with the original description of *Myxobolus lalbaghensis* with few variation in size of spore and polar capsule.

Scientific Conduct:

There are no instances of plagiarism. Ideas and materials of others are correctly attributed.

Points to Improve:

1. Make generalization of results.
2. State limitations of the study.

SUMMARY OF ARTICLE

No.		Very High	High	Average	Low	Very Low
1.	Interest of the topic to the readers	✓				
2.	Originally & Novelty of the ideas		✓			
3.	Importance of the proposed ideas		✓			
4.	Timelines	✓				
5.	Sufficient information to support the assertions made & conclusion drawn			✓		
6.	Quality of writing (Organization, Clarity, Accuracy Grammar)		✓			
7.	References & Citation (Up-to-date, Appropriate Sufficient)	✓				

FUTURE RESEARCH SCOPE:

1. Myxozoan Infestation in Freshwater Fishes in Wetlands and Aquaculture in Punjab (India).
2. The Biology and Systematics of Myxozoan Parasites of Fish.
3. Intercellular communication and transport processes during development.
4. Taxonomy and distribution of deep water Cartilaginous fish.
5. Biodiversity of estuarine and fluvial fish

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