

2

**AN INVESTIGATION ON SOME  
ASPECTS OF THE BIOLOGY OF MAHSEERS  
FROM THE NORTH-EASTERN INDIA**

**MRINAL DASGUPTA**

Department of Zoology  
School of Life Science

Thesis submitted in fulfilment of the requirements of the Degree of  
**DOCTOR OF PHILOSOPHY**

to



**THE NORTH-EASTERN HILL UNIVERSITY  
SHILLONG (MEGHALAYA) INDIA**

**MARCH, 1982**

## A B S T R A C T

There is a paucity of information on the biology of indigenous fishes in the highlands of the North-Eastern Hill Regions of the country. Such a knowledge, is of utmost importance not only from the academic view point, but also in its utility in increasing technological efficiencies of the fishery entrepreneurs for evolving judicious management measures. Keeping in view, the basic necessity to have a knowledge on the biology of fishes and hence, on a virtual absence of such informations, a study has been undertaken to elucidate on the Biology of Mahseers (Cypriniformes: Cyprinidae) viz., Acrossocheilus hexagonolepis (McClelland), Tor tor (Hamilton) and Tor putitora (Hamilton) from the highlands of Meghalaya (India).

The study pertains to the specimens of these fishes, collected during the period from August 1978 to July 1980 mainly from Simsang River situated at an altitude of 500 feet in Garo Hills (27°40'N latitude and 91°28'E longitude), India.

The results obtained during the present study has been presented in the thesis entitled "An investigation on some aspects of the biology of Mahseers from the North-Eastern India." The dissertation containing 148 pages, with 38 Tables and 41 Figures, has been divided into 5 chapters. The first chapter deals with an introduction to the biological

