
Chapter 02: Aims and Objectives

Chapter – 02**1. AIMS AND OBJECTIVES**

The present study is carried out with the following specific objectives:

- To study the seasonal variations of physico-chemical parameters of the ponds water and its plankton and to incur the environmental impact, if any.
- To study the seasonal variations of gastrosomatic index (GaSI), gonadosomatic index (GSI), hepatosomatic index (HSI) and condition factor (K) of three air-breathing fishes, *Heteropneustes fossilis*, *Clarias batrachus* and *Anabas testudineus*.
- Determination of biochemical aspects of muscle protein in different seasons to establish significant changes in body components, if any.