

CHAPTER 53

ZOOLOGY

Doctoral Theses

465. SRIVASTAVA (Ashutosh)
Comprehensive Study on Mass Production, Biochemical Composition and Nutritional Enrichment of Some Live Fish Food Organisms.
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Abstract

Live fish plays important role to meet the nutritional requirements of many aquacultural species. As interest in larviculture is increasing, demand for live food is also increasing day by day. To meet the requirements, research on development of mass production techniques for zooplankton with easily available food ingredient is a need of the hour. Along with mass production, maintenance of Nutritional quality of produced zooplankton is also very important. The present study is an attempt in this direction. It aimed to find out an easily available and suitable diet for the mass production of different zooplankton species for assorted larval stage and to standardise a specific dose of organic manure for the production of cladocerans as per requirement. As nutritional quality of zooplankton is most important factor for larval survival and growth, this study also focused to analyse nutritional profile of mass cultured zooplankton and their enrichment with lacking nutrients.

Contents

1. General Introduction. 2. Review of literature. 3. A size based study of some freshwater zooplankton. 4. Mass production of zooplankton. 5. Biochemical assessment of zooplankton. 6. Nutritional enrichment of zooplankton. 7. Summary and Conclusions. 8. Scientific Utilities. References.