

# ECOLOGY AND ETHOLOGY OF AQUATIC BIOTA



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# Ecology And Ethology Of Aquatic Biota

**Thomas Griffiths**



## **Ecology And Ethology Of Aquatic Biota:**

*Ecology and Ethology of Aquatic Biota* Arvind Kumar, 2002 Man has been playing a key role in shaping the environment with most of his activities directed towards its overall degradation. The aquatic ecosystems which remained balanced and unaffected till the early days of civilization get rapidly deteriorated due to population explosion, unmindful disposal of sewage and mushroom growth of industries. Billions of gallons of waste water from cities housing settlements, industries and agricultural fields are thrown into watercourses everyday. Consequently, the ecology of water and ethology of biota existing therein have been greatly threatened. So in order to focus the importance of ecology and ethology of aquatic biota, the present book has been brought out. The present book is a unique compilation of 90 articles contributed by eminent authors with different backgrounds which will act as a key board in opening new vista in the field of aquatic environment. With its application oriented and interdisciplinary approach, the book would be immensely useful to everyone dealing with aquatic environment such as University teachers, environmental scientists, academicians, technocrats, politicians, researchers and post graduate students.

**Contents**

**Volume 1**

**Chapter 1** Ecobiodiversity of aquatic biota in certain freshwater ecosystems of Santal Pargana Jharkhand India by Arvind Kumar

**Chapter 2** Energy cost of metamorphosis in the tadpoles of *Microhyla ornata* Anura Amphibia by Charulata Dei

**Chapter 3** On some aspects of ecobiology of common fishes of the polluted river Damodar in West Bengal India by B K Biswas

**Chapter 4** Role of macrofauna in energy partitioning and nutrient recycling in a tidal creek of Sundarbans mangrove forest India by P B Ghosh

**Chapter 5** Aquaculture in inland saline waters in India: Present status and future possibilities by C Saha B C Mohapatra

**Chapter 6** Role of nutrients on phytoplankton diversity in the north east coast of the Bay of Bengal by Kakoli Banerjee Abhijit Mitra D P Bhattacharyya

**Chapter 7** Effect of antifouling coatings on aquatic biota: An overview by V Wilsanand

**Chapter 8** Dynamics of sediment characteristics and benthic fauna in modified extensive shrimp culture system by S K Das

**Chapter 9** Role of ecotoxicological research to the protection of our aquatic environment by Bidhan C Patra

**Chapter 10** Ecotechnology for limnological profile of Kowar Lake with special reference to biogeochemical cycles by Arvind Kumar Chandan Bohra

**Chapter 11** Status of aquatic bodies in Warangal: Their protection and conservation by K Vijayapal Reddy Y Kalyani M Rayappa G Satyanarayana B Suvarna K Pameela

**Chapter 12** Pesticides and its impact on aquatic ecosystems by R K Srivastava

**Chapter 13** Impact of pesticides on algae: A review by Dr J P Verma

**Chapter 14** Evaluation on growth, survival and carcass composition of *Osteobrama belangeri* Val fed with different non conventional pelleted feeds by W Jayadeve

**Chapter 15** Study on water quality of cattle and pig manure fed fish pond by N K Verma A K Singh R Yadav

**Chapter 16** Density, biomass and microdistribution of a caddisfly larva *Lepidostoma* spp in deciduous forest stream of Alagar Hill Eastern Ghats South India

**Chapter 17** Relationship between temperature and assimilation efficiency of aquatic insects: An overview by N Krishnana and N Arun Nagendran

**Chapter 18** Effects of some ichthyotoxic plants on freshwater hillstream fishes of mid central Himalayan region by Yogambar Singh Farswan

**Chapter 19** Microbial

bioremediation of environmental problems by S Srivastava R S Upadhyay A Kumar and B V Pandey Chapter 20 Distribution ecology of protozoa in relation to water quality in river cauvery Karnataka India by J Narayana and R K Somashekar Chapter 21 Asplanchna induced phenotypic plasticity in brachionus calyciflorus and its adaptive significance A laboratory approach by Atab Alam Asif A Khan S A Untoo and Saltanat Parveen Chapter 22 Plankton dynamics in a bar built estuary by K Vareethiah Chapter 23 Enzyme ecology of fish by G Tripathi Chapter 24 Studies on the waste generation potential from crustaceans landings in Sothwest coast of Kanyakumari district India by G Immanuel Vedamany Menenthira A Palavesam Chapter 26 Seasonal fluctuation of phytoplankton of brackishwater impoundments along Nethravathi Estuary by K M Rajesh Chapter 27 Plankton as indicators of trophic status of wetlands by Ahok K Pandit Chapter 28 Integrated biological control of water hyacinth eichhornia crassipes in the fresh water habitats of India by A G Murugesan S Rameshwari Chapter 29 Primary productivity of a sewage fed aquatic ecosystem by Chandan Bohra Chapter 30 Observations on the Eco biology of an aquatic heteropteran bug gerris spinolae with a description of its Nymphal Instars by Nanda Verma Chapter 31 Biochemical nutritional and microbiological quality of sun dried exocoetus sp Flying fish of Imphal market Manipur by Hijam Binota Chapter 32 Effect of environmental factors on zooplankton Biomass number production in a polluted tank by M B Nadoni P S Murthy Chapter 33 Enhancement of biomass yield and nitrogen fixation of azolla pinnata using phosphorus and different waste materials by M C Kalita Chapter 34 The effect of endosulfan on the backwater clam Meretrix casta by M Srinivasan A Murugan R Rajaram M A Badhul Haq Chapter 35 Effect of dietary intake of crude aflatoxin on blood biochemistry of channa punctatus by Shishir K Verma Shambhoo Prasad Chapter 36 Screening of indigenous plants for piscicidal activity in fish nemacheilus sinuatus Ham by Manoj Abhimanyu Patil Chapter 37 Isolation and characterisation of herbicide resistant bacteria from paddy fields of South Tamil Nadu by Anbalagan S Ranjit Singh A J A Chapter 38 Bio removal of copper by aquatic macrophyte ottelia alismoides L by S Vincent M Mary Jee Jee Cruz Malar Vizhi Chapter 39 Inter relationship of biotic communities and physico chemical factors with primary productivity by J P Verma Chapter 40 Ethology of certain air breathing fish during a total solar eclipse at dumka Santal Pargana in Jharkhand India by Arvind Kumar Chapter 41 Domestic sewage in relation to marine pollution by C Maruthanayagam Chapter 42 Biochemical studies on some selected marine zooplankton population at Palk Bay region by C Maruthanayagam C Senthil Kumar Chapter 43 Role of seed extracted by product Neem cake of the plant azadiracta indica Linn on survival yield and reproduction of fish by S K Sarkar Chapter 44 Studies on eco biology of molluscs of Jharkhand India by Arvind Kumar Chapter 45 Inter relationship between phytoplankton and fish seed diversity around Sagar Island by A Mitra K Banerjee S Pal S Neogi Volume II Chapter 1 The ecology of aquatic biota in thermal springs by Arvind Kumar Chapter 2 Impact of degradation of aquatic ecosystems on fisheries A case study midnapore district West Bengal by Tapas Paria Chapter 3 Seasonal variations of elements and dynamics of nutrients in a typical brackishwater pond ecosystem used for traditional shrimp culture by S K Das Chapter 4 A composite approach for

evaluation of the effect of malathion on gobiid fish *glossogobius giuris* HAM by M Ramachandra Mohan Chapter 5 Studies on pollutional impact of tannery effluent on fish and livestock by Ashis Panigrahi Chapter 6 Macro Invertebrate fauna of mangrove soil habitat and its characteristic features A case study from cochin mangroves in Kerala by R Sunil Kumar Chapter 7 Physico chemical parameters in the near shore waters off Magalore receiving treated industrial effluents by Mridula R Mendon Chapter 8 Toxic effects of chromium sulphate on the indian catfish *heterophenustes fossilis* Bloch in short term and long term exposure by D N Roy Chapter 9 Bacteriological status of river water in Asansol Town District Budwan W B by Chinmoy Chatterjee Chapter 10 Toxicity of copper on the morphological and behavioural aspects in *Labeo rohita* by Maruthanayagam C Sahrmila G Chapter 11 Effect of zinc on oxygen consumption and glycogen metabolism of an estuarine hermit crab *clibanarius infraspinaus* Hilgendorf by P Kumarasamy K Muthukumaravel Chapter 12 Toxic effect of protein products of india PPI effluent to a freshwater teleost fish *cyprinus carpio* var *communis* by M Ramesh Chapter 13 Ground water pollution through nitrogeneous fertilizers A review of modelling approaches by K G Singh S K Sondhi Chapter 14 An analysis of fisheries extension and its impact on social change among fishing community by Ananth P N Venkattakumar R Chapter 15 Rearing of giant fresh water prawn *macrobrachium rosnebergii* in pond with water exchange facility and in pond with stagnant water by N R Chattopadhyay Chapter 16 Effect of industrial pollution of Kalu River in the content of minerals Iron phosphorus potassium in its vegetation I by S A Salgare Chapter 17 Effect of industrial pollution at Kalu River on the amino acid Aspartic acid alanine cysteine glycine content of its vegetation II by S A Salgare Chapter 18 Phytoplankton dynamics of Udhuwa Lake Jharkhand India by Chandan bohra Chapter 19 Evaluation of semi intensive brackishwater shrimp farm effluent by T Jawahar Abraham Chapter 20 Morphometric relationship of fresh water turtle *kachuga tecta* Gray 1831 by S G Solanki Chapter 21 Ecological status of mangroves and their urgent need for development and conservation in and around Cochin Estuary in Kerala by R Sunil Kumar Chapter 22 Eutrophication by R K Srivastava Chapter 23 Immunoresponse of aquatic molluscs in biounsafe environment by Sajal Ray Chapter 24 Effects of plant and animal diets of food utilization of the fresh water carp *labeo rohita* Hamilton by Bharat Bhusan Patnaik A T Fleming Chapter 25 Impact of heavy metals on hydrogen production and nitrogenase activities of photosynthetic sulphur bacteria by B Rajani Rao V Venkatramana Kumar K Malathi Reddy Chapter 26 Probiotics can assure nutritional security in aquaculture An overview by Bidhan C Patra Chapter 27 Enzymatic evaluation of a heavily polluted lake in mysore by T B Mruthunjaya Chapter 28 Benthic foraminifera in evaluating environmental stresses in marginal marine environment A case study by Sabyasachi Majumdar Abhijit Mitra U C Panda Chapter 29 Impact of industrial pollution on the nutritive value of *valamugil sehili* from harbour waters of vizag by L M Rao B Bharatha Lakshmi Chapter 30 Acute toxicity of carbaryl and methyl parathion on survival of *rana tigrina* tadpoles by K Sampath I J J Kennedy Chapter 31 Variations of some abiotic and biotic factors of fish culture ponds treated with neem cake by S K Sarkar Chapter 32 Conservation of the perennial river tamirabarani with special

reference to restoration of catchment area and Aquatic habitat by A G Murugesan C Rajakumari Chapter 33 A floristic and socio economic study of Wetlands of Varanasi U P by Ajai Kumar Singh Chapter 34 Macrobenthic molluscan spectrum in the coastal West Bengal by Abhijit Mitra Amitava Aich Amalesh Choudhury Chapter 35 Phytoplankton population in water bodies of coal mines area with special reference to pollution indication by Umesh Prasad P K Mishra Chapter 36 Effects of interactions of plant glycocomponent De odorase and chemical fertilizers on fish oreochromis mossambicus by S S K Sarkar Chapter 37 Planktonic biodiversity in the amphibian habitats of eight districts of Arunachal Pradesh India by Bikramjit Sinha Mohini Mohan Borah Chapter 38 Impact of environmental stress on the growth behaviour of water hyacinth eichhornia carassipes Marts with special reference to removal of pollutants by Arvind Kumar Chapter 39 Ecology and ethology of water chestnut cultivation in Bundelkhand region by R K Tewari Chapter 40 Effects of pH phosphates and solvents on sulfate reduction by desulfovibrio by D Mallik Chapter 41 Studies on the effluent characteristics of shrimp farms by K Karl Marx Chapter 42 Aquatic ecosystem and ecology of freshwater turtle with special reference to kachuga tecta by G S Solanki Chapter 43 Status of andaman sea ecology past present and future by I K Pai Chapter 44 Phycological studies in Kashmir I Algal biodiversity by Khan M A Chapter 45 Water quality and phytoplankton abundance in South Indian River Tamiraparani by P Martin H Haniffa

Ecology and Ethology of Aquatic Biota, 2002 Contributed articles Ecology and Ethology of Aquatic Biota Arvind Kumar, 2002 Vermis & Vermitechnology Arvind Kumar, 2005 Earthworms Vermis have long been described as the intestine of the earth friends of farmers and so on because of their manifold functions in the soil Recently earthworms have come to be recognized as one of the bioreactors due to their ability to degrade organic waste materials into available vermin compost and the technology is being described as vermiculture technology or Vermitechnology Due to population explosion beyond the limit and rapid urbanization total agricultural land area is decreasing day by day These are directly affecting the crop production Although due to the usage of various chemical fertilizers and pesticides yield of crop production have been increased multi folds but their excessive and imbalance usage causing tremendous alterations in natural soil environment In order to cope with this trenchant problem the vermitechnology has become the most suitable remedial device of the day Therefore the present book entitled Vermis Vermitechnology has been edited to make the low cost vermitechnology a grand success among the farmers researchers and academicians

**Concepts of Biophysics** Arvind Kumar, 2005 Advances in Life Sciences Arvind Kumar, 2004 Pleads For Science To Be Studied With An Integrated Approach Presents 75 Research Papers In Different Fields Of Science The Aims Is To Help The Scholars To Overtake Research Training And Consultancy In Proverty Areas Of Science And Technology And Evolve Relevant Data Bases Methodologies And Policy Frameworks In The Science And Technology Areas

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acidification have extended to coastal and estuarine waters where a wide spectrum of biodiversity thrives with unique adaptation extending several ecosystem services Impact of acidification in these areas is a matter of concern as acidification potentially has more immediate effects on the health of estuaries and inshore regions as well as regional economies Ground zero data collected for more than three decades have made the book stand on a strong base Advanced Modelling Techniques Studying Global Changes in Environmental Sciences ,2015-10-08 Advanced Modelling Techniques Studying Global Changes in Environmental Sciences discusses the need for immediate and effective action guided by a scientific understanding of ecosystem function to alleviate current pressures on the environment Research especially in Ecological Modeling is crucial to support the sustainable development paradigm in which the economy society and the environment are integrated and positively reinforce each other Content from this book is drawn from the 2013 conference of the International Society for Ecological Modeling ISEM an important and active research community contributing to this arena Some progress towards gaining a better understanding of the processes of global change has been achieved but much more is needed This conference provides a forum to present current research using models to investigate actions towards mitigating and adapting to change Presents state of the art modeling techniques Drawn from the 2013 conference of the International Society for Ecological Modeling ISEM an important and active research community contributing to this arena Integrates knowledge of advanced modeling techniques in ecological and environmental sciences Describes new applications for sustainability

Environmental Science - A Ground Zero Observation on the Indian Subcontinent Abhijit Mitra,Sufia Zaman,2020-07-14 This book provides a cross sectoral multi scale assessment of different environmental problems via in depth studies of the Indian subcontinent Data collected from different ecosystems forms a strong foundation to explore the topics discussed in this book The book investigates how mankind is presently under the appalling shadow of pollution climate change overpopulation and poverty The continuing problem of pollution loss of forests disposal of solid waste deterioration of environment global warming and loss of biodiversity have made nations aware of environmental issues Many countries are desperately trying to move away from this adverse situation through technological development and policy level approaches Through a number of case studies the authors provide details of ground level observations of the most environmentally stressed regions in the Indian subcontinent and beyond



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## **Table of Contents Ecology And Ethology Of Aquatic Biota**

1. Understanding the eBook Ecology And Ethology Of Aquatic Biota
  - The Rise of Digital Reading Ecology And Ethology Of Aquatic Biota
  - Advantages of eBooks Over Traditional Books
2. Identifying Ecology And Ethology Of Aquatic Biota
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Ecology And Ethology Of Aquatic Biota
  - User-Friendly Interface
4. Exploring eBook Recommendations from Ecology And Ethology Of Aquatic Biota
  - Personalized Recommendations
  - Ecology And Ethology Of Aquatic Biota User Reviews and Ratings

- Ecology And Ethology Of Aquatic Biota and Bestseller Lists
- 5. Accessing Ecology And Ethology Of Aquatic Biota Free and Paid eBooks
  - Ecology And Ethology Of Aquatic Biota Public Domain eBooks
  - Ecology And Ethology Of Aquatic Biota eBook Subscription Services
  - Ecology And Ethology Of Aquatic Biota Budget-Friendly Options
- 6. Navigating Ecology And Ethology Of Aquatic Biota eBook Formats
  - ePub, PDF, MOBI, and More
  - Ecology And Ethology Of Aquatic Biota Compatibility with Devices
  - Ecology And Ethology Of Aquatic Biota Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Ecology And Ethology Of Aquatic Biota
  - Highlighting and Note-Taking Ecology And Ethology Of Aquatic Biota
  - Interactive Elements Ecology And Ethology Of Aquatic Biota
- 8. Staying Engaged with Ecology And Ethology Of Aquatic Biota
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Ecology And Ethology Of Aquatic Biota
- 9. Balancing eBooks and Physical Books Ecology And Ethology Of Aquatic Biota
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Ecology And Ethology Of Aquatic Biota
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Ecology And Ethology Of Aquatic Biota
  - Setting Reading Goals Ecology And Ethology Of Aquatic Biota
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ecology And Ethology Of Aquatic Biota
  - Fact-Checking eBook Content of Ecology And Ethology Of Aquatic Biota
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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