

# ECOLOGY AND ETHOLOGY OF AQUATIC BIOTA



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# Ecology And Ethology Of Aquatic Biota

**Arvind Kumar**



## **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.

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Kumar,2005 Papers In This Volume Written By Biologists Are Concerned With Biodiversity Losses      **Microbial Pollution**  
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**Ecosystem to Changing Climate** Abhijit Mitra,2013-08-13 Mangroves are basically salt tolerant forest ecosystems found  
mainly in tropical and sub tropical inter tidal regions Till about 1960s mangroves were largely viewed as economically  
unproductive areas and were therefore destroyed for reclaiming land for various economic and commercial activities  
Gradually with the passage of time the economic and ecological benefits of mangroves have become visible and their  
importance is now well appreciated Today mangroves are observed in about 30 countries in tropical subtropical regions  
covering an area of about 99 300 Sq Km However during the past 50 years over 50% of the mangrove cover has been lost  
mainly because of the increased pressure of human activities like shrimp farming and agriculture forestry salt extraction  
urban development tourist development and infrastructure Also dam on rivers contamination of sea waters caused by heavy  
metals oil spills pesticides and other products etc have been found to be responsible for the decline of mangroves Although  
the temperature effect on growth and species diversity is not known sea level rise may pose a serious threat to these  
ecosystems The present book addresses all these important issues in separate chapters with some interesting case studies  
whose data may serve as pathfinder for future researches in the sphere of the influence of climate change on mangrove  
ecosystem The role of mangroves in the sector of bioremediation is a unique feather in the crown of this coastal and  
brackishwater vegetation that may be taken up by the coastal industries in order to maintain the health of ambient  
environment This book seeks to discover and to assess the vulnerability of climate change on mangrove flora and fauna their  
role in carbon sequestration and some interesting case studies by some groups of dedicated researchers that may serve as  
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Scientists Focusing On Appropriate Use Of Pesticides And Fertilizers In Order To Maintain Human Health Ecological Balance  
And Environment Friendly Sustainable Development      **Estuarine Acidification** Abhijit Mitra,Sufia Zaman,2021-08-24 This  
book provides a cross sectoral multi disciplinary assessment of different problems associated with estuarine acidification

with special thrust on mangrove dominated Indian Sundarban estuaries The arms of ocean 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



## Whispering the Strategies of Language: An Psychological Quest through **Ecology And Ethology Of Aquatic Biota**

In a digitally-driven earth wherever displays reign great and quick connection drowns out the subtleties of language, the profound strategies and emotional nuances concealed within phrases usually move unheard. However, located within the pages of **Ecology And Ethology Of Aquatic Biota** a fascinating fictional prize pulsating with organic thoughts, lies a fantastic journey waiting to be undertaken. Written by an experienced wordsmith, this charming opus encourages viewers on an introspective journey, gently unraveling the veiled truths and profound influence resonating within the fabric of every word. Within the emotional depths with this touching evaluation, we shall embark upon a honest exploration of the book is key themes, dissect its interesting publishing design, and yield to the strong resonance it evokes serious within the recesses of readers hearts.

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