

# 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, un mindful 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 water courses 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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**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

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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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