

## **About the Book**

*The book discusses the projected climate change among the major concerns of individuals, communities and government. A holistic approach to this problem is warranted rather than a compartmental approach. The book emphasizes the need to understand the planet earth and impacts (external factors) of celestial activities and functions of land, ocean, atmosphere, hydrosphere and biosphere (internal factors) in a appreciating the potential vulnerability of the hemisphere region area and location. The disconnected/partial information on the process and contribution of human activities has been discussed in detail. This book presents concise and collated information about the earth's atmosphere, land, ocean, marine resources, cryosphere, climate change models and impact of climate on land surface, water and biological resources. It is presented for students, researchers and academicians working on interdisciplinary aspects, as well as professionals and administrators.*

## **Contents:**

- 1. Atmosphere*
- 2. Land Surface*
- 3. Ocean and Marine resources*
- 4. Cryosphere*
- 5. Information collection and analysis*
- 6. Climate system models*
- 7. Impact of climate change*