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“The connection between social sciences and life sciences is the key to understanding environmental issues from the viewpoint of chemistry, and this has never been properly addressed in any book till date. This unique book by Prof. Takashiro Akitsu has come out at the right time and addresses many such issues. Readers will definitely enjoy the fruits of the remarkable progress in environmental science, vividly presented in this book. It presents deep scientific knowledge that will help students and researchers to better understand the past failure patterns. It also proposes innovative ideas in the field of environment, thus giving fundamental hints for real breakthroughs in the time to come.”

Dr. Moaz M. Abdou
Egyptian Petroleum Research Institute, Egypt

This book presents the current aspects of environmental issues from the viewpoint of chemical processes, particularly with respect to two facets—social sciences along with chemistry and natural sciences. The former facet explores environmental economics and policies along with chemical engineering or green chemistry and the latter the various fields of environmental studies.

The book comprises 25 chapters on different topics related to environmental science. Each chapter presents a summary of the contents of the chapter and an explanation of some specific terms. The chapters were conceptualized in the form of e-learning content, keeping in mind PowerPoint presentations or notes that can be made available online. They can also be used to deliver lectures in an innovative manner to undergraduate environmental science students. They also have topics that can be taken up for discussion among college students, mainly freshmen in liberal arts, and for enhancing general knowledge. At the end of each chapter, problems are given along with their solutions for active learning.



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