



## **Environmental Chemistry: Fundamentals**

By Jorge G. Ibanez, Margarita Hernandez-Esparza, Carmen Doria-Serrano, Arturo Fregoso-Infante, Mono Mohan Singh



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This book presents chemical analyses of our most pressing waste, pollution, and resource problems for the undergraduate or graduate student. The distinctive holistic approach provides both a solid ground in theory, as well as a laboratory manual detailing introductory and advanced experimental applications. The laboratory procedures are presented at microscale conditions, for minimum waste and maximum economy. This work fulfills an urgent need for an introductory text in environmental chemistry combining theory and practice, and is a valuable tool for preparing the next generation of environmental scientists.



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Review

Aus den Rezensionen:

"Das Buch ... kann so optimal im Laborbereich als Handbuch eingesetzt werden. Insgesamt sind 24 Versuche von der Durchführung und Beschreibung eines Versuchs, einem Auswerte- und Laborberichtsvorschlag sowie ... einem Literaturverzeichnis entsprechend dargestellt. ... Das Buch ist didaktisch für diese Versuche sehr gut aufgebaut und kann hervorragend als Grundlage für Versuche herangezogen werden. ... Es ist für Studenten und Interessierte sehr zu empfehlen ... Ergänzt wird in dem Buch stets der Versuch auch durch sehr gute Literaturhinweise ..." (Herbert Pöllmann, in: der Aufschluss, 2008, Issue 4, S. 236)

From the Back Cover

Our Earth is a remarkable reaction vessel. It is of paramount importance that students grow in their understanding and awareness of the astounding effects that chemistry and biochemistry have on our environment.

The first book in the field to encompass theory and practice, *Environmental Chemistry: Fundamentals* covers the chemical and biochemical processes that take place in air, water, soil, and living systems. The text is written with advanced college students in mind; nevertheless, issues are frequently presented in such a way that graduate students and professionals can find subjects of interest. Available separately, an experimental companion book, *Environmental Chemistry: Microscale Laboratory Experiments*, provides students with a thorough practical introduction to environmental experimentation. By using literature data in many of the examples and problems, both *Environmental Chemistry: Fundamentals* and *Environmental Chemistry: Microscale Laboratory Experiments* help students expand their problem solving skills and practice with real situations.

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