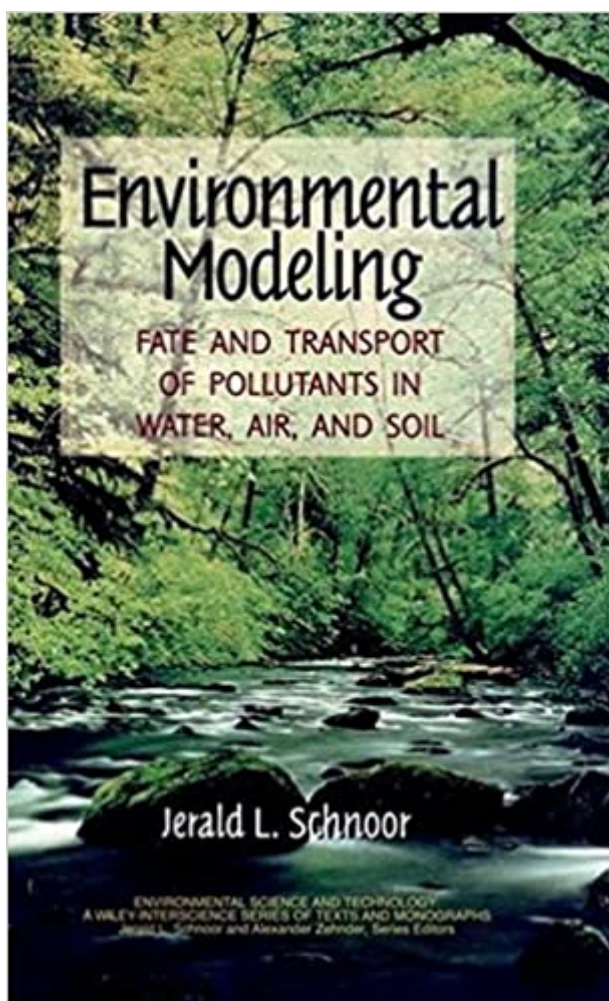


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# Environmental Modeling: Fate And Transport Of Pollutants In Water, Air, And Soil



## Synopsis

A comprehensive, thoroughly modern approach to environmental quality assessment. The only textbook to combine engineering transport fundamentals and equilibrium aquatic chemistry, *Environmental Modeling* brings a uniquely contemporary perspective to the assessment of environmental quality. Addressing key questions about fate, transport, and long-term effects of chemical pollutants in the environment, this inherently practical text gives readers the important tools they need to develop and solve their own mathematical models. Contains detailed examples from a wide range of crucial water quality areas—conventional pollutants in rivers, eutrophication of lakes, and toxic organic chemicals and heavy metals in both surface and groundwaters. Examines current global issues, including atmospheric deposition, hazardous wastes, soil pollution, global change, and more. Features over 200 high-quality illustrations, plus skill-building problems in every chapter. Fresh in approach and broad in scope, *Environmental Modeling* is must reading for today's graduate and advanced undergraduate students in environmental sciences and engineering—a rich, invaluable, and superlative new resource.

## Book Information

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Combines fundamental concepts of pollutant fate and transport with chemical principles in a modern text which assesses environmental quality. Features examples from a wide diversity of water quality issues such as conventional pollutants in rivers, eutrophication of lakes, and toxic organic chemicals and heavy metals in surface and groundwaters. Demonstrates how to develop and solve

mathematical models for a variety of chemical pollutants. Current concerns over atmospheric deposition, groundwater contamination and global change are also discussed.

A comprehensive, thoroughly modern approach to environmental quality assessment The only textbook to combine engineering transport fundamentals and equilibrium aquatic chemistry, Environmental Modeling brings a uniquely contemporary perspective to the assessment of environmental quality. Addressing key questions about fate, transport, and long-term effects of chemical pollutants in the environment, this inherently practical text gives readers the important tools they need to develop and solve their own mathematical models. Contains detailed examples from a wide range of crucial water quality areas-conventional pollutants in rivers, eutrophication of lakes, and toxic organic chemicals and heavy metals in both surface and groundwaters Examines current global issues, including atmospheric deposition, hazardous wastes, soil pollution, global change, and more Features over 200 high-quality illustrations, plus skill-building problems in every chapter Fresh in approach and broad in scope, Environmental Modeling is must reading for today's graduate and advanced undergraduate students in environmental sciences and engineering-a rich, invaluable, and superlative new resource.

Well written, easy to understand.

You're probably not looking to buy this for fun (it's probably mandatory for a class), but I've found that it doesn't do a wonderful job of teaching the subject. It has tons of information in it, but lacks clear examples to reinforce what it's trying to teach. If you have a choice, look for another book that helps teach the material using examples of applications.

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