



Environmental Modeling: Fate and Transport of Pollutants in Water, Air, and Soil

By Jerald L. Schnoor

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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

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Editorial Review

From the Publisher

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.

From the Back Cover

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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.

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About the Author

Jerald L. Schnoor, PhD, PE, DEE, is Foundation Distinguished Professor of Civil and Environmental Engineering at the University of Iowa. The author of numerous books and journal articles, Dr. Schnoor has been Codirector of the Center for Global and Regional Environmental Research at the University of Iowa since 1991, and is Coeditor of the Wiley-Interscience Series in Environmental Science and Technology.

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