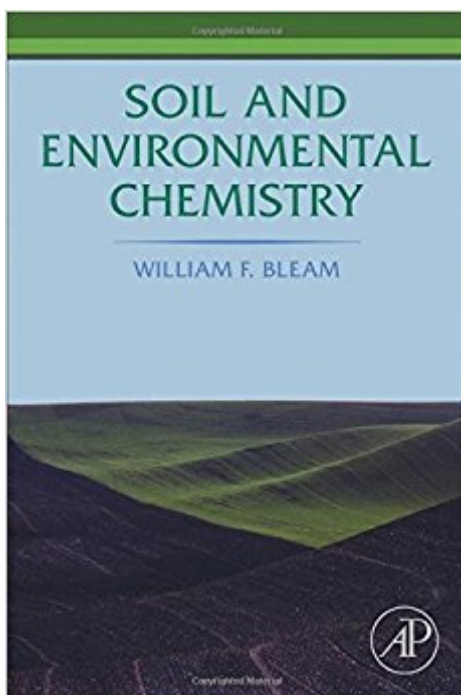


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Soil And Environmental Chemistry



Synopsis

Soil and Environmental Chemistry emphasizes the problem-solving skills students will need when they enter their chosen field. This revised reprint links valuable soil chemical concepts to the "big picture" by discussing how other soil and environmental factors affect soil chemistry. This broader environmental approach makes the text relevant to today's soil science curriculums. This book uses computer modeling for water and soil chemistry, providing students with the models used by practicing environmental chemists. It includes examples and complex problems with worked solutions, as well as examples based on real data that expose students to the real problems and data they will face in their careers. It also provides edits to formulas, numbers, and text. This text will serve as a useful resource for upper-level undergraduate students studying soil chemistry without an extensive background in calculus and only limited background in physical chemistry, such as soil science majors and environmental science majors. Use of computer modeling for water and soil chemistry provides students with the models used by practicing environmental chemists. Examples and complex problems with worked solutions included throughout the text. Examples based on real data provide exposure to the real problems and data students will face in their careers.

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William Bleam is Professor of Soil Science at the University of Wisconsin, USA. His research interests include physical chemistry of soil colloids and sorption processes, chemistry of humic substances, factors controlling biological availability of contaminants to micro-organisms, magnetic resonance and synchrotron studies of adsorption and precipitation. He has taught an intermediate

soil chemistry course (Soil Science 321, Soil & Environmental Chemistry) since 2006. Students taking this course include undergraduate and graduate students.

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