



# Environmental Engineering: Fundamentals, Sustainability, Design

*By James R. Mihelcic, Julie B. Zimmerman*

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Civil engineers are introduced to chemistry and biology through a mass and energy balance approach with this book. It covers ABET required topics of emerging importance, such as sustainable and global engineering. Problems are integrated at the end of the chapters that are similar to those on the FE and PE exams. In addition, readers will have access to Web modules, which address a specific topic, such as water and wastewater treatment. The modules include rich content such as animations, audio, video, interactive problem solving, and links to explorations. Civil engineers will also gain a global perspective so they can take a leadership role in sustainable development.

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## **Editorial Review**

### About the Author

**Mihelcic** and **Zimmerman** and their co-authors introduce the field of environmental engineering by engaging the reader in a comprehensive development of basic principles, as well as providing a strong focus on design for sustainability. The breadth of content and level of treatment is appropriate for civil and environmental engineers and practitioners of related disciplines seeking a survey of the field. By grounding their approach on the elements of design, the authors instruct readers in how to use the tools of green engineering to design for sustainability and the future of our planet and its inhabitants.

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