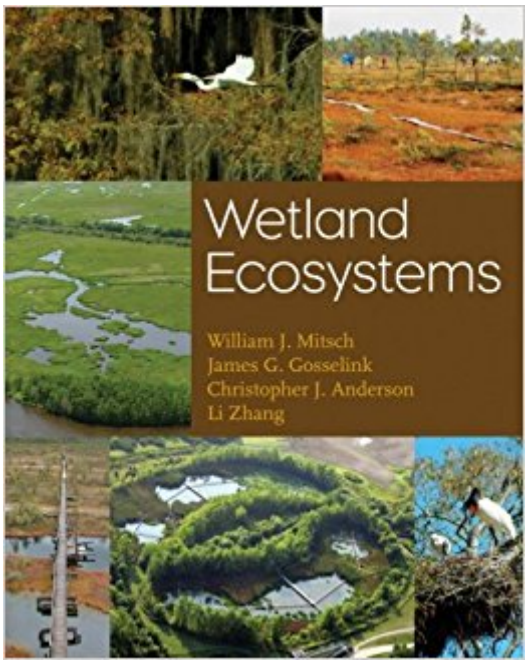
Wetland Ecosystems



Synopsis

New focused text introduces readers to wetland ecosystems and systems approaches to studying wetlands With its comprehensive coverage of wetland science, management, and restoration, Mitsch and Gosselink's Wetlands has been the premier reference on wetlands for more than two decades. Now, the coverage of specific wetland ecosystem types from earlier editions of this acclaimed work has been updated, revised, and supplemented with additional content in order to create this new text focusing exclusively on wetland ecosystems. This book now complements Wetlands, Fourth Edition. Following an introduction to ecosystems in general and wetland ecosystems in particular, Wetland Ecosystems examines the major types of wetlands found throughout the world: coastal wetlands, freshwater marshes and forested swamps, and peatlands. The final chapter reviews three fundamental systems approaches to studying wetlands: mesocosms, full-scale experimental ecosystems, and mathematical modeling. This new text features: Updated descriptions of the hydrology, biogeochemistry, and biology of the main types of wetlands found in the world New content introducing general ecosystems, wetland ecosystems, whole ecosystem and mesocosm experiments with wetlands, and systems ecology and modeling A detailed description of the ecosystem services provided by wetlands A broad international scope, including many examples of wetlands located outside North America Two new coauthors offering new perspectives and additional insights into the latest ecosystem and modeling techniques An abundance of illustrations helps readers understand how different biological communities and the abiotic environment in wetland ecosystems interact and function. Tables and text boxes provide at-a-glance summaries of key information. Lastly, each chapter concludes with a list of recommended readings. This text has been designed as an introduction for students and professionals in wetland ecology and management, general ecology, environmental science, and natural resource management.

Book Information

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Customer Reviews

WILLIAM J. MITSCH, PhD, is Distinguished Professor of Environment and Natural Resources and Director of the Wilma H. Schiermeier Olentangy River Wetland Research Park at The Ohio State University. Dr. Mitsch has been awarded the Stockholm Water Prize and the Society of Wetland Scientists Lifetime Achievement Award. JAMES G. GOSSELINK, PhD, is Professor Emeritus at the School of the Coast and Environment at Louisiana State University. He has been awarded the Society of Wetland Scientists Lifetime Achievement Award. CHRISTOPHER J. ANDERSON, PhD, is Assistant Professor in the School of Forestry & Wildlife Sciences at Auburn University. LI ZHANG, PhD, is Assistant Director of the Wilma H. Schiermeier Olentangy River Wetland Research Park at The Ohio State University.

Good review of Wetland Ecosystems with plentiful references. Most of the book’s focus is on energy flow within the systems.

This is a graduate school level academic textbook. The authors have a more accessible and less expensive book, Wetlands for more general readers. This book will be used in ecology courses and for high level research.Midwest Independent Research, mwir-earthscience.blogspot com.

If your interest is in energy flow, this is the wetland book to buy.

This book only took the remaining chapters of the old Wetland textbook without really updating their findings...Seems the authors need more money...Do not put your money there...wait for a real update!

Guide To Brazil’s Great Wetland (Bradt Wildlife Guides) Life in a Wetland (Living in a Biome) Wetland Soils: Genesis, Hydrology, Landscapes, and Classification, Second Edition Wetlands Explained: Wetland Science, Policy, and Politics in America Shadows on the Gulf: A Journey through Our Last Great Wetland Wetland Plants: Biology and Ecology Wetland Ecology: Principles and Conservation A Naturalist’s Guide to Wetland Plants: An Ecology for Eastern North America Lawyers, Swamps, and Money: U.S. Wetland Law, Policy, and Politics In Search of Swampland: A Wetland Sourcebook and Field Guide Field Guide to Coastal Wetland Plants of the Southeastern United States Practical Handbook for Wetland Identification and Delineation, Second Edition (Mapping Science) The Louisiana Coast: Guide to an American Wetland (Gulf Coast Books, sponsored by Texas A&M University-Corpus Christi) A Wetland Biography: Seasons on Louisianaâ ™s Chenier Plain Compensating for Wetland Losses Under the Clean Water Act Wetland Environments: A Global Perspective