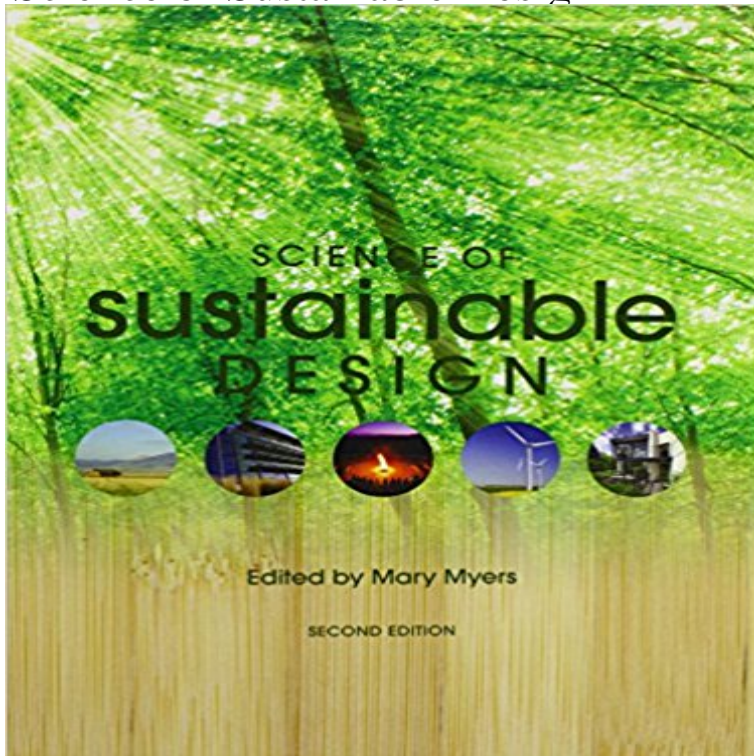


# Science of Sustainable Design



The Science of Sustainable Design is based on the belief that sustainable design helps reduce human impact on the environment and repairs environmental degradation. This text is designed to help readers understand the breadth of sustainable design issues, recognize the scientific bases of different types of environmental degradation, and learn how contemporary design is becoming more sustainable. The anthology begins with readings on the scientific principles that underlie new design approaches. The readings in this section illustrate how knowledge of physical laws, bio-geochemical cycles, and biodiversity provide a foundation for sustainable design decisions. This text then provides readings on the sustainable design process, goals and principles of sustainable design, and case studies. The Science of Sustainable Design concludes with readings on ethics and the importance of the environment in human well-being. Readers can apply the knowledge gained in their academic and professional careers, as well as in their personal lives. Mary Myers, Ph.D., RLA, FCELA, is chair of the Department of Landscape Architecture and Horticulture at Temple University. She holds a Ph.D. (Heriot-Watt University, Edinburgh, Scotland), a Master of Landscape Architecture (Harvard University), and a Bachelor of Landscape Architecture (University of Wisconsin). Dr. Myers conceptualized and developed Temple University's Master of Landscape Architecture with a concentration in Ecological Restoration - one of the first such degrees in the United States. Prior to becoming an academic, she practiced landscape architecture in New York State and is a registered landscape architect.

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