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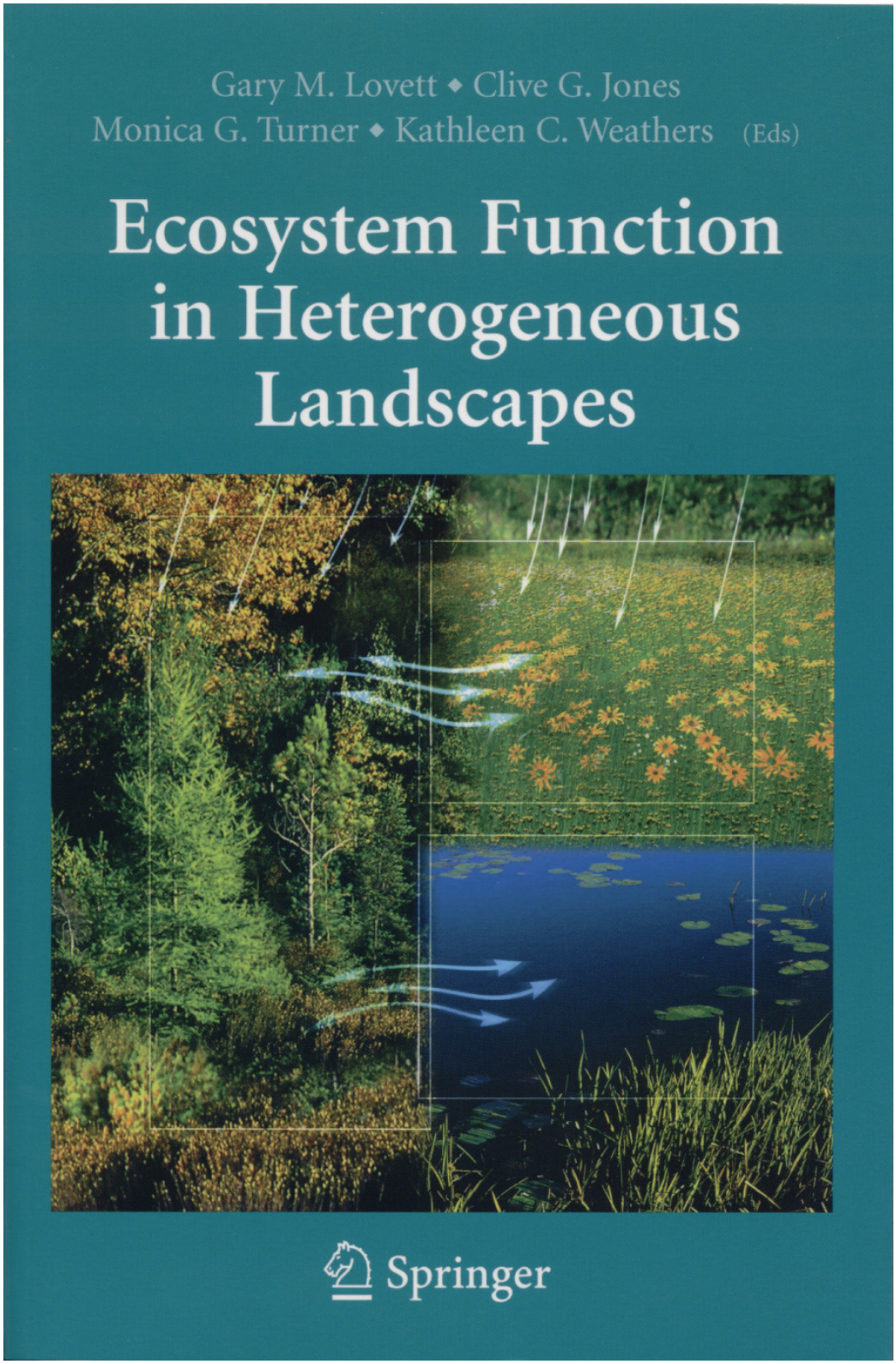

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Ecosystem Function in Heterogeneous Landscapes

With 96 Illustrations

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The study of ecosystems, fundamental to ecology, has been complemented by the growing field of landscape ecology. *Ecosystem Function in Heterogeneous Landscapes* addresses how interactions among ecosystems affect the functioning of individual ecosystems and the larger landscape. This groundbreaking synthesis unites ecosystem ecology's knowledge of system function with landscape ecology's knowledge of spatial structure.

Practical concerns about scaling up from individual ecosystems to larger landscapes require an understanding of how networks of interacting ecosystems function together. The book elucidates the challenges faced by ecosystem scientists working in spatially heterogeneous systems, relevant conceptual approaches used in other disciplines and in different ecosystem types, and the importance of spatial heterogeneity in conservation resource management. The distinguished authors discuss how much heterogeneity needs to be taken into account for specific types of scientific and management issues. Their chapters cover the spectrum from proposing novel conceptual approaches to detailing the practical implications of heterogeneous landscapes for fire management, water management and conservation planning.

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