DESCRIPTION

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For carbon sequestration the issues of monitoring, risk assessment, and verification of carbon content and storage efficacy are perhaps the most uncertain. Yet these issues are also the most critical challenges facing the broader context of carbon sequestration as a means for addressing climate change. In response to these challenges, Carbon Sequestration and Its Role in the Global Carbon Cycle presents current perspectives and research that combine five major areas:

• The global carbon cycle and verification and assessment of global carbon sources and sinks

• Potential capacity and temporal/spatial scales of terrestrial, oceanic, and geologic carbon storage

• Assessing risks and benefits associated with terrestrial, oceanic, and geologic carbon storage

• Predicting, monitoring, and verifying effectiveness of different forms of carbon storage

• Suggested new CO2 sequestration research and management paradigms for the future.

The volume is based on a Chapman Conference and will appeal to the rapidly growing group of scientists and engineers examining methods for deliberate carbon sequestration through storage in plants, soils, the oceans, and geological repositories.
ABOUT THE AUTHOR

Brian J. McPherson and Eric T. Sundquist are the authors of Carbon Sequestration and Its Role in the Global Carbon Cycle, published by Wiley.

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