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Green Energy and Technology

**Energy : Energy Policy, Economics and Management**

Goel, M., Satyanarayana, T., Sudhakar, M., Agrawal, D.P. (Eds.)

# Climate Change and Green Chemistry of CO<sub>2</sub> Sequestration

- Foreword by the former Union Minister of Civil Aviation, Mr. Suresh Prabhu, Government of India
- Discusses advances in carbon dioxide capture and green chemistry of conversion in the context of global climate change
- Focuses on CO<sub>2</sub> sequestration opportunities and challenges for India's energy security and provides an inter-disciplinary outlook for academic exchange of current research

The book comprises state-of-the-art scientific reviews on carbon management strategies in response to climate change. It provides in-depth information on topics relating to recent advances in carbon capture technology and its reuse in value added products. It features contributions of leading scientists and technocrats on topics including climate change and carbon sequestration, lowering carbon footprint CO<sub>2</sub> capture, low carbon imperatives in oil industry, CO<sub>2</sub> as refrigerant in cold-chain application, carbonic anhydrase-mediated carbon sequestration and utilization, chemical looping combustion with Indian coal, CO<sub>2</sub> conversion to chemicals, algae based biofuels, and carbon capture patent landscaping analysis. The contents of this book will be helpful for research scholars, post-graduate students, industry, agricultural scientists and policy makers/planners.

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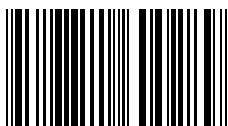
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