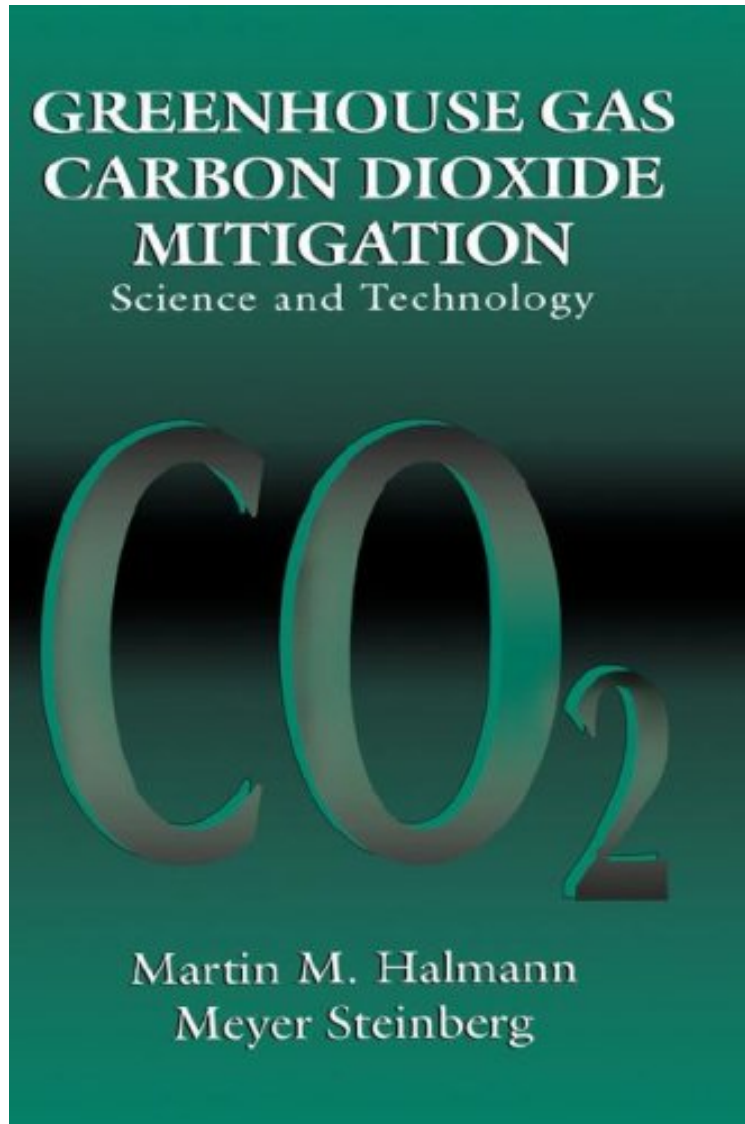


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Greenhouse Gas Carbon Dioxide Mitigation: Science and Technology

Martin M. Halmann, Meyer Steinberg
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Any mention of the "greenhouse effect" tends to ignite controversy. While the rising atmospheric concentrations of greenhouse gases-especially carbon dioxide- are certainly among the most pressing issues today, theoretical and perceived consequences have been subject to conjecture and misinformation. That raging debate has obscured an important fact: scientists and engineers are hard at work on methods to reduce CO₂ emissions, and devise practical methods for their remediation. *Greenhouse Gas Carbon Dioxide Mitigation: Science and Technology* sheds light on the most recent advancements, documented by two of the world's leading researchers on CO₂. Aware of the complexity and still-unknown factors behind climatic change, the authors consider the need to make CO₂ mitigation viable for both environmental and economic gain. To that end, Professor Halmann offers new insights into interesting chemical pathways for the conversion of CO₂ to useful products. Steinberg adds real-life engineering solutions, applicable to heavy CO₂-producing industrial processes, and improving efficiency of energy conversion. Exciting theories and pilot projects are also testing the potential for CO₂ utilization, conversion, reduction, and disposal. *Greenhouse Gas Carbon Dioxide Mitigation: Science and Technology* reports on the use of biomass, such as ocean fertilization and "energy farms," to put CO₂ to practical and safe use. Professional and academic readers involved with CO₂ research will find *Greenhouse Gas Carbon Dioxide Mitigation: Science and Technology* an invaluable roadmap for information and inspiration-a way to move beyond argument, and into action.

"The pernicious effect of carbon dioxide on global temperatures will eventually force us to change our methods of power generation, our means of transportation, and the feedstocks from which we manufacture chemical products. The goal of presenting and evaluating these alternatives has been admirably achieved in the two halves of this timely book." --Philip G. Jessop, in *Journal of the American Chemical Society*, Vol. 123, No. 29 Promo Copy