

CONTENTS

<i>Preface from the Volume Editors and Series Editors-in-Chief</i>	v
Chapter 1. The Future of Fossil Fuels	1
<i>Ali Can Kizilkaya</i>	
Chapter 2. Water and Energy: Sources, Challenges and Opportunities	99
<i>Vitaly Gitis</i>	
Chapter 3. Processing and Recycling of Electric Vehicle Batteries on a Global Scale	251
<i>Xhoi Xhaferri, Albert H. Alberts and Gadi Rothenberg</i>	
Chapter 4. Carbon Capture, Storage and Utilization: A Critical Overview	297
<i>Rens van Roosmalen and Gadi Rothenberg</i>	
Chapter 5. Sustainable Nitric Acid Synthesis: A Study of Chemical and Techno-Economic Scenarios	355
<i>Anna May Inzenhofer and Gadi Rothenberg</i>	

Chapter 6.	Closing the Carbon Cycle: Photocatalytic CO₂ Conversion Into Fuels and Chemicals	393
	<i>Sushma Rawool, Rajesh Belgamwar and Vivek Polshettiwar</i>	
Chapter 7.	Companies and the Energy Transition: A Business Model Perspective	465
	<i>Francesca Ciulli and Ans Kolk</i>	
<i>Index</i>		493