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Sommario/riassunto

This book provides an in-depth exploration of the production of biobutanol from biomass, detailing the processes, techniques, and technologies involved. Edited by Arindam Kuila and Mainak Mukhopadhyay, it covers topics such as butanol fermentation, microbial strain improvement, and process integration. Key subjects include the use of *Clostridium* species for ABE fermentation, advancements in microbial metabolic engineering, and the economic viability of biobutanol production. The book is intended for researchers, professionals, and students in the fields of bioscience, bioengineering, and renewable energy, offering insights into recent trends and future prospects in biofuel production.

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and Emissions; From Production to Denial: The Climate Change Denialist Movement; A Wake-Up Call: Corporate Recognition of Climate Risk
Conclusion: Laissez-Fair Capitalism, Risk, and Metabolic RiftEndnotes;
Section II Climate Change and the Rending of the Social Fabric; Chapter 4 Modeling the Relationship Between Global Warming, Violence, and Crime; Model One: Environmental Scarcity and Violence; The Twin Dilemmas of Resource Scarcity; Model Two: Agnew and Dire Forecast; Lower Social Control and Increased Social Disorganization; Opportunities for Crime; Routine Activities and Climate Change; Endnotes; Chapter 5 Consequences of Global Warming; Diseases and Health Costs
Pathogens and Diseases in Contemporary Life: The Third WavePathogens; Disease and State Security: The Challenge of an Invisible Enemy; Endnotes; Chapter 6 The Problems of Water; Water: The Fist of Climate Change; Big Water and Big Winds; Sea-Rise and Coastal Flooding; Freshwater Availability, Droughts, and Water Shortage; Water Shortages; Conclusion: How Much Fresh Water Is Left?; Endnotes; Section III Migration Futures and Megacities: A Collision Course With Global Warming; Chapter 7 Refugee Migration and Settlement Amid Climate Change: A Prescription for Violence? Contemporary Dimensions of Refugee PopulationsHow Many Refugees Are There?; Climate Refugee: Real or Alarmist?; Refugees, Crime, and Violence; A Cautionary Tale: Refugees and Opportunity; Migration, Organized Crime, and Sex Slavery; Climate and Its Impact on Migration; From Subcontinent to World: Sea-Rise and Migration at +4 Celsius; Refugee Recognition as a UN Mandate; Endnotes; Chapter 8 The Future of Migration: A Planet of Megacities; Where Are People Migrating? The Global Littorals and Megadeltas; Megacities: Hardening or Fragmentation?; Megacities and the Modernity Lag
Megacities, Inequality, and Crime

Sommario/riassunto

Crime, Violence, and Global Warming introduces the many connections between climate change and criminal activity. Conflict over natural resources can escalate to state and non-state actors, resulting in wars, asymmetrical warfare, and terrorism. Crank and Jacoby apply criminological theory to each aspect of this complicated web, helping readers to evaluate conflicting claims about global warming and to analyze evidence of the current and potential impact of climate change on conflict and crime. Beginning with an overview of the science of global warming, the authors move on to the links between climate change, scarce resources, and crime. Their approach takes in the full scope of causes and consequences, present and future, in the United States and throughout the world. The book concludes by looking ahead at the problem of forecasting future security implications if global warming continues or accelerates. This fresh approach to the criminology of climate change challenges readers to examine all sides of this controversial question and to formulate their own analysis of our planet's future.
