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Soggetti	Renewable energy resources Energy systems Fossil fuels Renewable and Green Energy Energy Systems Fossil Fuels (incl. Carbon Capture)
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part 1: Biomass and Energy Management -- Part 2: Thermochemical Conversion Processes -- Part 3: Biochemical Conversion Processes -- Part 4: Catalytic Conversion Processes -- Part 5: Electrochemical Processes -- Part 6: Waste Treatment to Energy -- Part 7: Integrated Processes.
Sommario/riassunto	This book discusses latest advances in the area of bioenergy, including algal biomass, biodiesel, bioethanol, biomethanation, pyrolysis, biomass gasification, biomass cook stoves and integrated processes. The volume comprises select proceedings of ICRABR-2016. The contents include cutting-edge research vital to R&D organizations, academics and the industry to promote and document the recent developments in the area of bioenergy for all types of stakeholders. The book highlights the need for biofuels and their market, the barriers and challenges faced by biofuels and bioenergy, and future strategies required to foster new ideas for research, collaboration, and commercialization of bioenergy. It addresses various topics, such as biomass and energy management; thermochemical conversion

processes; biochemical conversion processes; catalytic conversion processes; electrochemical processes; waste treatment to harvest energy; and integrated processes. It will prove a valuable resource for students, researchers, professionals and policymakers in the field of biofuels and bioenergy.
