

An expert overview of new technologies guiding the construction of a sustainable society

This compendium of important insights from sixty distinguished international scholars looks at the significant advances in progressive environmental technology—especially the molecular engineering used on plants, animals, and microorganisms—as the game changer in the high-stakes race to reverse earth-damaging practices.

Biocatalysis and Biomolecular Engineering covers subject matter on the latest developments in eco-friendly and energy-saving manufacturing processes with the emphasis on agricultural technology and bio-based products. Focusing its study on remedies that show promise in curing food and energy ills, this book examines groundbreaking work in various fields, such as nutraceuticals, genetic engineering of agricultural products, and bioenergy. *Biocatalysis and Biomolecular Engineering*:

- Can be used as a reference by teachers, graduate students, and industrial scientists who conduct research in bioscience and biotechnology
- Serves as the first book to bring together fundamentals and leading-edge technologies for the development of bio-based industrial products through biocatalysis; for example, it discusses the preparation of bio-functional micro- and nanoparticles
- Contains chapters by international experts from academia, industry, and government research institutes

Biocatalysis and Biomolecular Engineering builds a cohesive, well thought out case for nurturing new discoveries in eco-technology by inviting critical discussion on devising viable solutions to sustaining the future wellness of humankind.

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