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Autore	Bajpai P (Pratima)
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ISBN	981-10-5873-3
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Descrizione fisica	1 online resource (85 pages) : illustrations, tables
Collana	SpringerBriefs in Green Chemistry for Sustainability, , 2212-9898
Disciplina	662.88
Soggetti	Biochemical engineering Green chemistry Environmental engineering Biotechnology Fossil fuels Biochemical Engineering Green Chemistry Environmental Engineering/Biotechnology Fossil Fuels (incl. Carbon Capture)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Background -- General Considerations on the Use of Lignocellulosic Residues -- Bioconversion of Lignocellulosic Residues in to Single Cell Protein -- Microorganisms Used for Single Cell Protein Production -- Cultivation of Microorganisms for Single Cell Protein Production.
Sommario/riassunto	This book focuses on bioconversion of lignocellulosic residues into single-cell protein, which offers an alternative to conventional proteins (such as soybean meal, egg protein or meat protein in animal feed) that is not affected by the climate. It provides an overview of the general uses of lignocellulosic residues and their bioconversion into single-cell protein using microorganisms, as well as the recovery of the valuable by-products. It also explores the benefits and potential drawbacks of single-cell protein, with an emphasis on the economic advantages of such processes. Given its multidisciplinary scope, the book represents a valuable resource for academics and industry practitioners interested in

the production of single-cell protein from lignocellulosic residues.