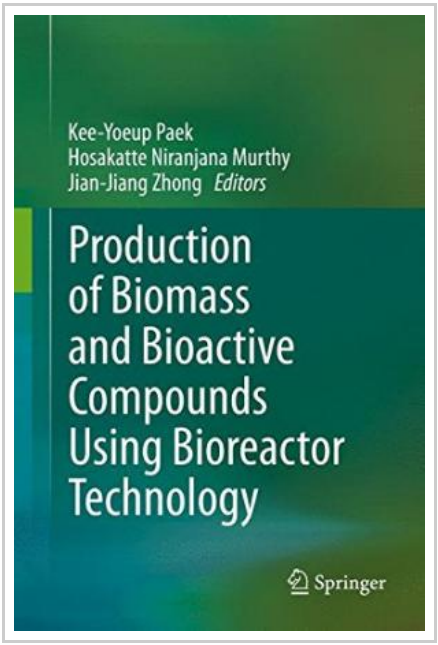

Production of Biomass and Bioactive Compounds Using Bioreactor Technology

By Hosakatte Niranjana Murthy

Springer Okt 2014, 2014. Buch. Book Condition: Neu. 23.5x15.5x cm. This item is printed on demand - Print on Demand Neuware - The bioactive compounds of plants have world-wide applications in pharmaceutical, nutraceutical and food industry with a huge market. In this book, a group of active researchers have addressed on the most recent advances in plant cell and organ cultures for the production of biomass and bioactive compounds using bioreactors. Tremendous efforts have been made to commercialize the production of plant metabolites by employing plant cell and organ cultures in bioreactors. This book emphasizes on the fundamental topics like designing of bioreactors for plant cell and organ cultures, various types of bioreactors including stirred tank, airlift, photo-bioreactor, disposable bioreactor used for plant cell and organ cultures and the advantages and disadvantages of bioreactor cultures. Various strategies for biomass production and metabolite accumulation have been discussed in different plant systems including Korean/Chinese ginseng, Siberian ginseng, Indian ginseng, Echinacea, St. John's wort, Noni, Chinese licorice, Caterpillar fungus and microalgae. Researches on the industrial application of plant cells and organs with future prospects as well as the biosafety of biomass produced in bioreactors are also described. The topics covered in this book,...

Reviews

Without doubt, this is actually the greatest operate by any writer. It is really basic but surprises within the 50 percent of the ebook. I discovered this ebook from my i and dad recommended this ebook to understand.

-- ***Mrs. Chelsea Hintz***

The book is simple in read safer to comprehend. It is writter in straightforward words and phrases instead of confusing. You wont truly feel monotony at anytime of your time (that's what catalogues are for concerning in the event you request me).

-- ***Brannon Koch***