

1. Record Nr.	UNISOBSOBE00016075
Autore	Galanti, Giuseppe Maria
Titolo	Elogio storico del signor abate Antonio Genovesi, pubblico professore di civil economia nella Università di Napoli / G. M. Galanti
Pubbl/distr/stampa	Napoli : Bibliopolis, 1977
Descrizione fisica	176, 61 p. ; 20 cm
Collana	<L'>illuminismo italiano
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Riproduzione facsimilare dell'ed.: Napoli, 1772
2. Record Nr.	UNINA9910971589103321
Autore	Chen Hongzhang
Titolo	Process engineering in plant-based products // Hongzhang Chen
Pubbl/distr/stampa	New York, : Nova Science Publishers, Inc., c2009
ISBN	1-61728-568-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (310 p.)
Collana	Environmental science, engineering and technology series
Disciplina	661/.8
Soggetti	Biomass chemicals Biochemical engineering Chemical processes Energy crops
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Process Engineering Principles of Plant-Based Products -- Process and Principle of Components Separation from Plant-Based Materials -- Processing Engineering and Application of Plant-Based Chemicals -- Process Engineering and Applications of Plant-Based Materials -- The

---

## Process Engineering in Plant-Based Energy.

---

### Sommario/riassunto

Plant-based biomass resources, including cereals, crop residues, seed of oil crops, sugar crops, forage crops and various woody crops, can be converted to several of bio-products through physical, chemical and biological conversion methods. Although the components of different plant-based raw materials are varied, there are four main compounds: carbohydrate (sugar, starch, cellulose and hemicellulose), lignin (polyphenol), esters and protein. This new and important book aims to analyze the common problems of the conversion process of plant-based products starting with the key problems of the complexity of the plant-based raw materials, the process integration of process engineering, and the structure and function of product engineering. The concept of plant-based products process engineering is advanced based on the integration of multidisciplinary knowledge, and the system of multilevel conversion is expatiated from the three areas: raw materials, conversion process and product development. These afford a theoretic and technologic support for development of plant-based products process engineering. This book also introduces the key technology platforms for plant-based products process engineering, the main approaches for using these platforms to achieve a multilevel utilization of plant-based raw materials, and the constitution of a novel mode for the ecological industry of plant-based products.

---