1. Record Nr. UNINA9910451557703321

Titolo	Secretory systems and toxins / / edited by Michal Linial, Alfonso Grasso and Philip Lazarovici
Pubbl/distr/stampa	Amsterdam : , : Harwood Academic Publishers, , 1998
ISBN	0-429-07777-7 1-4822-8342-5 1-280-07992-4 9786610079926 0-203-30429-2
Descrizione fisica	1 online resource (500 p.)
Collana	Cellular and molecular mechanisms of toxin action, , 1026-4078 ; ; v. 2
Altri autori (Persone)	GrassoAlfonso LazaroviciPhilip LinialMichal
Disciplina	571.79
Soggetti	Secretion Toxins Neurotoxic agents Electronic books.
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	Book Cover; Title; Contents; Preface to the Series; Preface; Contributors; Synaptic Vesicle Proteins: A Molecular Study; Synaptic Vesicle Proteins: A Genetic Approach; Dissection of the Secretory Machinery; Vesicular Trafficking on the Late Secretory Pathway in the Budding Yeast, S. Cerevisiae: Yeast as a Genetic Tool in Which to Explore Protein Export; Regulatory Roles for Lipids in Vesicle Trafficking and Secretion; Fusion Proteins and the Fusion Events; Tetanus Toxin as a Valuable Pharmacological Tool for Studying Polysialogangliosides in Neuronal Signal Transduction Molecular Mechanisms of the Action of Clostridium Botulinum Type B Neurotoxin-Latrotoxin Receptors; Neurotoxins and Safety-Latches of the Secretory Process; Bacterial Neurotoxins in Invertebrates: Aplysia and the Deciphering of the Mode of Action of Clostridial Neurotoxins; Chromaffin Cells as a Secretory System: The Use of Neurotoxins;

	External Ions and -Latrotoxin Action; Botulinum Neurotoxins and their Substrates; Clostridial Neurotoxins as Enzymes: Structure and Function; Purification, Function and Selectivity in -Latrotoxin Neurotoxins, Cytoskeletons and Calcium Channels: Functional Studies at Mammalian Synapses Formed in CultureThe Synapsins and Neurotransmission; Morphological Studies of the Secretory Machinery Using Neurotoxin Probes; Membrane Fusion Protein Annexin VII: A Ca2+-Activated GTPase Target for Mastoparan in Secreting Chromaffin Cells; Glossary; Index
Sommario/riassunto	This volume deals with the relationships between toxins and one of the most fundamental processes in any living cell - the secretory cycle. The reader will find up-to-date information on secretion, generated by experts in this fast evolving field. In the last decade extensive molecular and cellular studies have exposed the molecular similarity among most known secretory systems. In this book secretion is discussed from its basic mode found in yeast up to its most sophisticated version in neurotransmitter release in nerve terminals. A comprehensive view on the mode of action of toxins which blo

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Record Nr.	UNINA9910815654303321
Autore	Islam Aminul
Titolo	Advanced technologies in biodiesel : introduction to principles and emerging trends / / Aminul Islam, Yun Hin Taufiq-Yap and Eng-Seng Chan
Pubbl/distr/stampa	New York : , : Momentum Press, , [2015] ©2015
ISBN	1-78684-354-4 1-60650-503-3
Descrizione fisica	1 online resource (168 p.)
Collana	Thermal science and energy engineering collection
Disciplina	665.37
Soggetti	Biodiesel fuels industry - United States
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 (pages 117-142) and index.

Nota di contenuto	1. Introduction to biodiesel -- 2. Reactor and refining technologies for biodiesel production -- 3. Biodiesel production processes -- 4. Methods for quality assessment of biodiesel -- References -- About the authors -- Index.
Sommario/riassunto	The important strategic issue of the 21st century states as the struggle for existence is the struggle for sustainable energy. In the last few years, the interest in renewable fuels has increased dramatically due to high demand of energy and the limitation of fossil fuel. Given the rapidly increasing demand for energy, which is projected to double by mid- 21st century, it is expected that biodiesels will become an important part of the global energy mix and make a significant contribution to meeting energy demand. Through extensive research, many commercial enterprises have offered comprehensive, innovative, and state-of-the-art technologies to produce high-quality biodiesel consistently at a competitive price via transesterification process. Therefore, this book gives a critical review on the recent emerged process intensification technologies for biodiesel production as well as the various methods for assessing biodiesel fuel quality and/or monitoring the transesterification reaction with advantages and drawbacks, and offers suggestions on selection of appropriate methods, which could provide a thrilling adventure ahead of all interested scientists. The adequate and up-to-date information provided in this book should be of interest for biochemical engineers, academics, post graduate and graduate students, and industrial researchers in these areas of study. It will also cater to researchers and enthusiastic readers in the realm of alternative energy resources as well as in areas of sustainable and green energy technology development.