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Cassava Starch

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Cassava

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available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Cassava in Asia Springer Nature
The present book relates to benefits of bio technology in providing food security, alleviation of poverty and agriculture and rural development.. This book also focuses on framework for food chain approach to food safety and evaluation of technology oriented food security. The book is highly informative and of use to students,

researchers, scientists and policy planners working in different direction like agriculture, food and bio technology.

Natural sciences CRC Press

Roots and tubers are considered as the most important food crops after cereals and contribute significantly to sustainable development, income generation and food security especially in the tropical regions. The perishable nature of roots and tubers demands appropriate storage conditions at different stages starting from farmers to its final consumers. Because of their highly perishable nature, search for efficient and better methods of preservation/processing have been continuing alongside the developments in different arena. This book covers the processing and technological aspects of root and tuber foods, detailing the production and processing of roots and tubers such as taro, cassava, sweet potato, yam and elephant foot yam. Featuring chapters on anatomy, taxonomy and physiology, molecular and biochemical characterization, GAP, GMP, HACCP, Storage techniques, as well as the latest technological interventions in Taro, Cassava, Sweet potato, yam and Elephant foot Yam.

Cassava Research and Development in Asia: Exploring New Opportunities for an Ancient Crop. CIAT

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Cassava Cassava flour and starch: progress in research and development Cassava (*Manihot esculenta* Crantz) is the staple food of more than 300 million people in the world. Though cassava is utilized in a variety of ways, scientific books of any category written on the postharvest aspects of cassava are relatively few. The effect of this paucity was strikingly felt during recent years. This was one of the impelling reasons behind the present venture which, it is hoped, will stimulate other publications on this neglected crop.

Cassava Breeding, Agronomy and Farmer Participatory Research in Asia CIAT

Cassava is a major tropical tuber crop found throughout the tropics (India, Oceania, Africa and Latin America). Hitherto, there has been no single text covering all aspects of cassava biology, production and utilization. This book fills that gap, representing the first comprehensive research level overview of this main staple crop. Chapters are written by leading experts in this field from all continents. The book is suitable for those working and researching in cassava, in

both developed and developing countries, as well as advanced students.

Tuber & Root Crops CRC Press

Cassava origin, distribution, and cultivation; Cassava nutrition and toxicity; Cassava spoilage and preservation; Preservation of dried cassava products; Processing of cassava; Cassava in animal feed; Cassava foods; Cassava starch; Cassava based industries; Analytical methods for cassava.

Starch: Chemistry and Technology CRC Press LLC

This book provides comprehensive and up-to-date knowledge relating to the morphological, structural, and functional characteristics of tuber starches, particularly in relation to their applications in food and industry. In recent years there has been significant progress and extensive research conducted on tropical root starches and especially on some of the lesser known tuber crop starches. There has also been a shift towards using biomaterials in place of synthetic materials in various applications. As researchers investigate the availability of natural products with similar properties, starch has been identified as a reliable

alternative to these synthetic materials. The book is a valuable resource for researchers and students, plant breeders, and commercial producers working with, or considering working with, tropical tuber starches.

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CIAT Tropical Roots and Tubers
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Cassava is a staple food for many nations owing to its resilience for growth under various climatic conditions. It is a good source of carbohydrates and is the third largest source of food carbohydrates in the tropics, after rice and maize. This book focuses on the morphological traits and nutritive properties of cassava and its production processes, postharvest techniques and diseases that affect the growth of the crop. Given its extensive usage and market value, it is one of the agricultural produces for which many biotechnological interventions have been applied for ascertaining food security. It is

hoped that readers will gain knowledge on cassava as well as use some of the techniques mentioned herein for improvement of the production of the crop.

Cassava CRC Press

Starch: Chemistry and Technology, Second Edition focuses on the chemistry, processes, methodologies, applications, and technologies involved in the processing of starch. The selection first elaborates on the history and future expectation of starch use, economics and future of the starch industry, and the genetics and physiology of starch development. Discussions focus on polysaccharide biosynthesis, nonmutant starch granule polysaccharide composition, cellular developmental gradients, projected future volumes of corn likely to be used by the wet-milling industry, and organization of the corn wet-milling industry. The manuscript also tackles enzymes in the hydrolysis and synthesis of starch, starch oligosaccharides, and molecular structure of starch. The publication examines the organization of starch granules, fractionation of starch, and gelatinization

of starch and mechanical properties of starch pastes. Topics include methods for determining starch gelatinization, solution properties of amylopectin, conformation of amylose in dilute solution, and biological and biochemical facets of starch granule structure. The text also takes a look at photomicrographs of starches, industrial microscopy of starches, and starch and dextrans in prepared adhesives. The selection is a vital reference for researchers interested in the processing of starch.

New Challenges in the Cassava Transformation in Nigeria and Ghana

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Glucosidases: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Glucosidases. The editors have built Glucosidases: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Glucosidases in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative,

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Biotechnology and Food Security
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An Annotated Bibliography 1974-1986

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This work provides researchers with a thorough overview of all aspects related to the development of gluten-free food products. In summarizing and offering critical reviews of published works and focusing on current advances and technologies in gluten free product development, this book covers all of the important subjects related to this increasingly important aspect of the food industry. Important case studies in gluten-

free breadmaking and alternative proteins are presented, making this a rich and singular source for food manufacturers and scientists seeking practical knowledge on the challenges and solutions involved in the development of gluten-free foods. *Challenges and Potential Solutions in Gluten Free Product Development* covers the latest advances and strategies for gluten-free diets including the important nutritional factors involved. Traditional and alternative approaches for the development of gluten-free dough, including starch applications and microbial fermentations, are extensively covered. Alternative proteins including those from vegetables, cereals, legumes and eggs are presented. Novel approaches for gluten-free breadmaking such as aeration strategies, prebiotics, hydrocolloids and nutritional enhancements are also covered in depth. With further chapters dedicated to regulatory aspects, gluten detection methods and the global market, this book presents full and up-to-date coverage of the development and manufacture of gluten-free products.

South Asia CABI

We believe it is useful to restate the

objectives of the Series, expressed in the preface of its first volume. The purpose is to provide agricultural researchers in each country or group of countries a substantial portion of material on beans, cassava, or tropical pastures, published in those countries, by means of a single instrument that allows for easy, organized access to the collective work of the country or region. It is also our purpose to create an inventory. Readers will find that the bibliography presented is incomplete and that references to some of their own publications, or to those of other authors they know, are missing. We encourage you to let us know about those deficiencies, and, in addition, to send us copies of missing publications, so they can be indexed for the database and appear in future publications such as this one. We also ask you to send us the publications that you produce in the future to help us keep our document collection current.

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Lanka; Author index; Subject index.

Proceedings of the International Symposium held in Nanning, Guangxi, China. ScholarlyEditions

This book, through its overview chapter and 12 country studies, provides useful information on the evolving biotechnological research in Asia, Africa, and Latin America. The emphasis is on the potential biotechnologies hold for agriculture in developing countries. The reports vary in depth of coverage, but all combine to show the urgent need that exists for public- and private-sector investment to ensure that all countries share in the benefits of modern biotechnologies, while minimizing any unintended effects. The book contains a subject index.

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