

# **Small-Scale Processing and Storage of Tropical Root Crops**

*Edited by*  
**Donald L. Plucknett**



# Smallscale Processing And Storage Of Tropical Root Crops

**Harish K. Sharma, Nicolas Y.  
Njintang, Rekha S. Singhal, Pragati  
Kaushal**

## **Smallscale Processing And Storage Of Tropical Root Crops:**

**Small-scale Processing And Storage Of Tropical Root Crops** Donald Plucknett,2019-07-11 Tropical root crops basic staples for millions of people are highly perishable and tremendous losses occur after harvest because of the lack of storage and processing technology This book is the first to fully describe small scale processing and storage methods for these root crops particularly taro sweet potato and yams The authors emphasize methods of handling and preserving the crops that require little in the way of energy or technology and they discuss traditional methods of storage and processing in Africa Asia and the Pacific They also describe small machines suitable for processing and highlight examples of higher level technology The book is a milestone in the search for ways to appropriately modernize traditional agriculture and food systems

*Smallscale Processing and Storage of Tropical Root Crops* Donald Plucknett,2024-10-31 This book describes small scale processing and storage methods for tropical root crops particularly taro sweet potato and yams emphasizing methods of handling and preserving the crops that require little in the way of energy or technology

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Sweet Potato Products John C. Bouwkamp,2018-01-18 It has been the goal in this volume to summarize the current level of understanding in a number of areas relating to sweet potato production and utilization To accomplish this a group of authors each with broad experience in the selected areas was assembled It is hoped that this volume will be useful as a beginning point a foundation for further research efforts

Processing Vegetables Durward S. Smith,2023-01-13 The variety distribution range and quality of processed vegetables have grown rapidly in recent years due in large part to advances in vegetable processing technology This 448 page book provides a detailed expert guide to current methods of vegetable processing The authoritative presentations were prepared by a team of leading international food specialists The text is organized for easy reference and supplemented with hundreds of photographs and diagrams illustrating procedures and equipment Hundreds of tables provide useful reference data in convenient form Each chapter includes a section of extensive references for additional research on each subject

*Sweetpotato in South Asia: Postharvest handling, processing, storage and use (Proceedings).* , **Tropical Root and Tuber Crops, 2nd Edition**

Vincent Lebot, 2019-12-02 Root and tuber crops are important to agriculture food security and income for 2.2 billion people in developing countries. These species produce large quantities of dietary energy and have stable yields under difficult environmental conditions. This second edition of *Tropical Root and Tuber Crops* is an authoritative treatment of four important root and tuber crops: cassava, sweet potato, yams, and aroids. **Adding Value to Root and Tuber Crops: A Manual on Product Development** Christopher Wheatley, 1995. Sweet Potato Jennifer A. Woolfe, 1992-03-05 The sweet potato is at present grown in more than 100 of the independent countries of the world. Most of the producer nations are situated in the tropical developing world where a high proportion of the poorest people live. Increasing recognition of the potential which sweet potato holds for combating food shortages and malnutrition has resulted in intensified research efforts to enhance production and consumption. This book reviews our knowledge about the varied aspects of the sweet potato as a human food and animal feedstuff. This volume will be found practical and informative by all those involved in food and nutrition sciences especially but not exclusively in developing countries. These include research workers in food or agriculture, dieticians, nutritionists, food technologists, students, planners and policy makers. *New Crops for Food and Industry* G.E. Wickens, N. Haq, P. Day, 1989-06-30 Examining the development of alternative crops, this volume covers topics which include genetic engineering and tissue culture techniques and marketing potential utility of new crops. Cassava in Asia, Its Potential and Research Development Needs, 1986. **Desarrollo de productos de raíces y tubérculos** Gregory J. Scott, 1992. **Fruit and Vegetables** Anthony Keith Thompson, 2014-10-03 Completely revised, updated and enlarged, now encompassing two volumes, this third edition of *Fruit and Vegetables* reviews and evaluates in comprehensive detail postharvest aspects of a very wide international range of fresh fruit and vegetables as it applies to their physiology, quality, technology, harvest, maturity, determination, harvesting methods, packaging, postharvest treatments, controlled atmosphere, storage, ripening and transportation. The new edition of this definitive work, which contains many full colour photographs and details of species not covered in the previous editions, provides key practical and commercially oriented information of great use in helping to ensure that fresh fruit and vegetables reach the retailer in optimum condition with the minimum of deterioration and spoilage. With the constantly increasing experimental work throughout the world, the book incorporates salient advances in the context of current work as well as that dating back over a century to give options to the reader to choose what is most relevant to their situation and needs. This is important because recommendations in the literature are often conflicting; part of the evaluation of the published results and reviews is to guide the reader to make suitable choices through discussion of the reasons for diverse recommendations. Also included is much more on the nutritional values of fruit and vegetables and how these may vary and change postharvest. There is also additional information on the origin, domestication and taxonomy of fruit and vegetables, putting recommendations in context. *Fruits and Vegetables 3e* is essential reading for fruit and vegetable technologists, food scientists and food technologists, agricultural scientists, commercial

growers shippers packhouse operatives and personnel within packaging companies Researchers and upper level students in food science food technology plant and agricultural sciences will find a great deal of use within this popular book All libraries in research establishments and universities where these subjects are studied and taught should have copies readily available for users      **Tropical Roots and Tubers** Harish K. Sharma,Nicolas Y. Njintang,Rekha S. Singhal,Pragati

Kaushal,2016-11-14 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      **Proceedings of the International Symposium held in Nanning, Guangxi, China.** ,      *Top 100 Exotic Food Plants* Ernest Small,2011-08-23 Many edible plants considered exotic in the Western world are actually quite mainstream in other cultures While some of these plants are only encountered in ethnic food markets or during travels to foreign lands many are now finding their way onto supermarket shelves *Top 100 Exotic Food Plants* provides comprehensive coverage of tropical and semi      *Tropical Root Crops* International Society for Tropical Root Crops. Africa Branch. Symposium,E. R. Terry,1984      **Prevention of Post-harvest Food Losses** Food and Agriculture Organization of the United Nations,1989-01-01

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