

Examining the Development, Regulation, and Consumption of Functional Foods

Part of the Advances in Environmental Engineering and Green Technologies Book Series

Sailas Benjamin (University of Calicut, India)

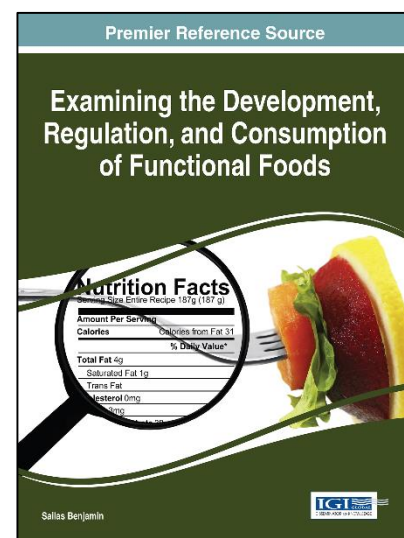
Description:

The promotion of proper nutrition can assist in disease prevention and help to ensure an overall healthy lifestyle. Certain natural or processed foods are particularly useful in achieving and maintaining these goals.

Examining the Development, Regulation, and Consumption of Functional Foods is an authoritative reference source for the latest scholarly material on the consumption and use of specific foods to prevent, manage, and treat diseases. Highlights critical issues relating to the development, preparation, regulation, and overall benefits of functional foods.

Readers:

This book is ideally designed for medical practitioners, nutritionists, upper-level students, researchers, and academicians.



ISBN: 9781522506072

Release Date: August, 2016

Copyright: 2017

Pages: 275

Topics Covered:

- Antioxidants
- Biofortification
- Biogenesis
- Dietary Fibers
- Essential Oils
- Food Allergies
- Phytonutrients

Hardcover +
Free E-Access:

\$185.00

E-Access +
Free Hardcover:

\$185.00

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com



Table of Contents

Chapter 1

Biogenesis of conjugated linoleic acids

Sailas benjamin, Kizhakepowathil Nair Unni, Prakasan Priji and Wright
Andre-Denis Girard

Chapter 2

Dietary fibers and their role as functional food for human health: Food
fibers and human health

Murlidhar Meghwal Ravi-Kumar Kadeppagari

Chapter 3

Phytonutrients of nutraceutical importance: exploring antimicrobial,
antiproliferative and antioxidant activities

Marcus Vinicius Dias-Souza

Renan Martins dos Santos

Chapter 4

Millet as an integral part of nutritional diet in india

T.k.Hrideek* Kuk Nampoothiri

Chapter 5

Bioactive compound analysis of coriandrum sativum l. Against
microbial keratitis

Dr.v.Nithya

Chapter 6

Breeding for improving human nutrition and grain quality through
biofortification of traditional land races and improved cultivars in rice
(oryza sativa l.)

P. Savitha

R. Usha kumara

Chapter 7

Antioxidants as functional foods in metabolic syndrome

Abishek b. Santhakumar

Indu singh

Chapter 8

Exploring the potentials of antioxidants in retarding ageing

Minu Kesheri Swarna Kanchan Rajeshwar P. Sinha

Chapter 9

Food allergy and food poisoning: Toxicology on culinary sciences

Jose Iñaki Alava Marquinez Miguel Angel Lopez

Chapter 10

Perspective uses of essential oils in functional foods and antimicrobial
packaging material

Tripti malik

Sailas Benjamin, a renowned industrial and environmental biotechnologist, has served University of Calicut as the Director of Research. Being a leader of several research projects, Prof. Benjamin has published several research papers in international and national journals of high repute, and several industrially-significant novel strains of bacteria/fungi were discovered and characterized; apart from 5 patents and 1 book to his credit. He is one of the pioneering researchers pertaining to the bioremediation of hazardous phthalates. Having completed his M.Sc. Degree (University of Kerala), he secured his M.Phil Degree (Cytogenetics) from the same University. In 1998, he secured his Ph.D. Degree (Biotechnology, Cochin University of Science and Technology, Kerala; CUSAT) under the supervision of the world renowned biotechnologist, Prof. Ashok PANDEY at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram. In between, Prof. Benjamin also secured Post-graduate Diploma in Public Relations and Journalism (PGDPRJ), from the Public Relations Society of India. He is the recipient of many national and international awards/fellowships, serving as Member of Editorial Board of prestigious International Journals such as Advances in Enzyme Research, SM Journal of Nutrition and metabolism, and also the recipient of prestigious PDFs from Japan (JST, worked at National Food Research Institute under renowned scientist Dr. Chikafusa FUKAZAWA); Germany (DFG worked at University of Muenster under renowned Professor Dr. Friedrich SPENER); Research Fellowship from India (CSIR), Fellow of the International Society of Biotechnology (FIBST), Invitation Fellowship from JSPS, Government Japan, etc.