1. Record Nr. UNINA9910746300903321

| | |
|---|---|
| Autore | Ismail Tariq |
| Titolo | Neglected Plant Foods Of South Asia : Exploring and valorizing nature to feed hunger / / edited by Tariq Ismail, Saeed Akhtar, Claudia E. Lazarte |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023 |
| ISBN | 9783031370779<br>3031370775 |
| Edizione | [1st ed. 2023.] |
| Descrizione fisica | 1 online resource (481 pages) |
| Altri autori (Persone) | AkhtarSaeed<br>LazarteClaudia E |
| Disciplina | 641.3<br>664 |
| Soggetti | Food science<br>Food security<br>Food - Safety measures<br>Food - Microbiology<br>Food Science<br>Food Security<br>Food Safety<br>Food Microbiology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Chapter 1: Agricultural biodiversity and food security: Opportunities and challenges -- Chapter 2: Role of neglected plant foods in achieving dietary diversity, zero hunger and good health -- Chapter 3: Exploring neglected and underutilized plant foods to fight malnutrition and hunger in South Asia -- Chapter 4: Inclusion criteria of underutilized food plants in household food security planning -- Chapter 5: Neglected plant foods of India -- Chapter 6: Neglected plant foods of Pakistan -- Chapter 7:Neglected plant foods of Bangladesh -- Chapter 8: Exploring social-ecological systems for mainstreaming neglected and underutilised plant foods: local solutions to food security challenges in Sri Lanka -- Chapter 9: Neglected plant foods of Nepal -- |

Chapter 10: Grain millet: Potential to fill nutrition gaps in the context of food security and climate change -- Chapter 11: Amaranth (Amaranthus spp.): Food properties and potential health benefits -- Chapter 12: Moringa (Moringa oleifera): Multi-functional role in management of malnutrition and health promotion -- Chapter 13: Date palm (Phoenix dactylifera): A review of economic potential, industrial valorization, nutritional and health significance -- Chapter 14: Quinoa (Chenopodium quinoa): Potential of the “golden grain” for food and nutritional security in South Asia -- Chapter 15: Sweet potato (Ipomoea batatats): An intervention food in management of food and nutritional security in South Asia -- Chapter 16: Taro (Colocasia spp.): Applications in food production and improving nutrition in South Asia -- Chapter 17: Jackfruit (Artocarpus heterophyllus): An overview of nutritional and functional food properties -- Chapter 18: Fenugreek (Trigonella foenum-graecum): An overview of food uses and health benefits.

Sommario/riassunto

According to the global hunger index, South Asia has worldwide highest rate of undernourished people. Such a burden of food insecurity and various forms of malnutrition are directly associated with the existing food production system that ignores biodiversity, food affordability, and sustainability. During the last five decades, food production system has witnessed a global shift from ethnic to mainstream staple cereals production and promotion. Such an approach has badly affected the regional genetic pool of a diverse range of nourishing, economical, and sustainable edible plant species which are now referred to as neglected or underutilized food crops. Neglected Plant Foods of South Asia collects and preserves existing knowledge of underutilized, minor, wild, neglected and traditional food plants of South Asia, and their utilization for the production of value-added food products. Aiming at introducing plant – based food solutions to address the increasing burden of food insecurity among marginalized communities of South Asia, this manuscript covers a plethora of nutrient-dense plant species including fruits, vegetables, roots, tubers, cereals, pseudo-cereals, and pulses. In addition to having an overview of each plant's origin, cultivation practices and production statistics, researchers will find comprehensive information on nutritional composition, food manufacturing properties, value-addition and traditional uses of neglected plant foods. Recent updates on strategies to combat toxicological risks associated with the consumption of neglected food plants have also been included. With this volume, researchers will have complete information on neglected, underutilized traditional edible plants of South Asia, and their potential to increase food security under the emerging challenges of climate change.