

1. Record Nr.	UNINA9910502642003321
Titolo	Nutraceuticals and Cancer Signaling : Clinical Aspects and Mode of Action // edited by Seid Mahdi Jafari, Seyed Mohammad Nabavi, Ana Sanches Silva
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-74035-8
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (648 pages)
Collana	Food Bioactive Ingredients, , 2661-8966
Disciplina	616.9940654
Soggetti	Medicine - Research Biology - Research Nutrition Food science Chemistry, Organic Biomedical Research Food Science Organic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I: An overview of cancer and its mechanisms -- 1-A brief overview of cancer, its mechanisms, and prevention methods -- 2-MECHANISMS INVOLVED IN CARCINOGENESIS -- Part II: Functional foods/nutraceuticals as chemo preventive agents -- 3-Tomato (lycopene and -carotene) and cancer -- 4-Essential Oils from Aromatic Plants in cancer prevention and treatment -- 5-Bee propolis (caffeic acid phenethyl ester) against cancer -- 6-Brown Algae (Fucoxanthin) Against Cancer -- 7-Cruciferous vegetables (indole-3-carbinol, isothiocyanates) against cancer -- 8-Crustacea (carotenoids namely astaxanthins) against cancer -- 9-Curcuma and breast cancer: a focus on cell signaling pathways -- 10-FRUITS AND VEGETABLES IN CANCER -- 11-Garlic: Allyl Sulfur Compounds and Cancer Prevention -- 12-Ginger (gingerols and 6-shogaol) against cancer -- 13-Saffron (crocins) against cancer -- 14-OLIVE LEAF (OLEUROPEIN) AND ITS ROLE

IN CANCER: THERAPEUTIC UPDATES -- 15-Honey against cancer -- 16-Soybeans and phytoestrogen rich foods (genistein, daidzein) against cancer -- 17-Tea (catechins including (-)-epigallocatechin-3-gallate) and cancer -- 18-Probiotics and Cancer -- Part III: The role of nutrients in the prevention of cancer -- 19-Vitamins (C, D and E) against cancer -- 20-Minerals (namely selenium) and cancer -- 21-Dietary fibers/beta-glucan and cancer -- 22-Omega-3 Polyunsaturated Fatty Acids and Cancer.

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Sommario/riassunto

Today's consumers are looking for food products with health-promoting roles in addition to nutritional benefits. With current research showing that nutraceuticals and functional foods rich in specific bioactives may have chemopreventative effects, these products are increasingly popular. However, while much in the literature supports the health-promoting features of these foods, few texts focus on their bioactive agents and their mode of action in cancer signaling. *Nutraceuticals and Cancer Signalling: Clinical Aspects and Mode of Action* explains the link between nutraceuticals and cancer in terms of clinical trials and modes of action. This book gives an overview of common cancers and their mechanisms, and the most common functional foods and their bioactive components. Individual chapters focus on specific functional foods--including tomatoes, garlic, honey, tea, yoghurt, and many more--their prominent bioactive compounds, and their mode of action in cancer signaling and chemoprevention. Recent findings on cancer-prevention roles of different vitamins and minerals are also discussed. For food scientists, nutritionists, and pharmaceutical experts looking to understand how functional foods can play a role in fighting cancer, this text serves as a one-stop reference.

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