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Nota di contenuto	1.Introduction of seed as source of bioactive natural compound(s), effects on health, and general adverse effects -- 2. Relation between seed life cycle and cell proliferation. Metabolic changes in seed germination -- 3. Seed containing anti-proliferative drug in phyto-pharmaceutical industry & market -- 4. Prune and Date fruits seed as warehouse of anti-proliferative agents -- 5. Pumpkin Seed in Cancer Prevention: Description, Chemistry and Mode of Action -- 6. Role of grape fruit seed and its secondary metabolites in prevention and treatment of carcinoma -- 7. Sesame and Parsley seed: Chemistry, description and antiproliferative activities -- 8. Sunflower and Passiflora seeds and their roles in cancer with special reference to secondary metabolites present within them -- 9. Bitter Gourd Seed: A Natural Plant Unit with Immense Anti-Proliferative Activities and Active

Constituents -- 10. Roll of Papaya Seed in the management of anti-proliferation: Description, Chemistry and uses -- 11.Role of Mango and Guava seed and their secondary metabolites in prevention of proliferation and malignant diseases -- 12. Apple and honey peach seeds: morphology, chemistry, anti-proliferative properties and toxicity studies -- 13. Black plum seed: morphology, chemistry and antiproliferative activities -- 14. Nigella sativa (Black cumin) seed: A natural source of antioxidant and antiproliferative agent -- 15. Watermelon seeds in the role of prevention and treatment of carcinoma -- 16. Olive and Winter Jujube seeds in cancer prevention and treatment -- 17. Prevention and control by musk melon and hamimelon seeds towards controlling malignant diseases: description, chemistry and uses -- 18. Recent developments and future prospects of cotton seeds in controlling carcinoma and role of secondary metabolites -- 19. Need of Carambola and Yunnan pomegranate seed in controlling proliferative disease -- 20. Effective treatment and control of anti-proliferative diseases with Orange and Kumquat seeds: Description, chemistry and uses -- 21.Morphology, chemistry and antiproliferative effect of cardamom and walnut seed -- 22. Role of Moringa seed and its secondary metabolites against cancer: Chemistry, morphology and mode of action -- 23.Tamarind seed and its role in cancer prevention and control -- 24. Strategies to Control Cancer by Chinese cabbage and Anise Seed -- 25. Role of Pistachio, Cashew and Almond seeds in prevention and treatment of abnormal proliferation -- 26. Litchi (Litchi chinenis), Salak and Strawberry seeds in producing antiproliferation -- 27. Neem (Azadirachta indica) and Hibiscus seed as antiproliferative agents -- 28. Antiproliferative effects of Chia, Pear and Hawthorn seed: Chemistry, Pharmacology and action. 29. Antiproliferative Activity of Guabirobeira (Campomanesia xanthocarpa) and Soursop (Annona muricata) Seeds: Chemistry, Morphology and Uses -- 30. Camellia and Lotus seeds: plant made subunit in prevention and treatment of malignant diseases.

Sommario/riassunto

This book presents extensive and up-to-date information on the anti-proliferative properties of various plant seeds for their application in pharmaceutical industry and medicinal research. This information is imperative for understanding and developing high quality products from the seeds.The book provides insights about anticancer and antitumour activities present in seeds. Different chapters cover the traditional knowledge as well as recent innovations in various seeds, such as prune, pumpkin, grape fruit, sesame, sunflower, bitter gourd, papaya, mango, apple, black plum, cumin, water melon, musk melon, cotton, carambola, pear, cardamon, moringa, wallich, Chinese cabbage, pistachio, etc. and their bioactivities for the applications in cancer and malignancy proliferation. The book introduces the readers to seed as a bioactive compound, and delineates the various health effects. It further explains the relation between the different metabolites and their effect on cell proliferation. Finally the book goes on to explain different seeds and their specific anti-cancer properties. This book is useful for students and researchers of pharmacology, botany and cancer research. It also caters to industry experts in pharmaceutical sciences. .