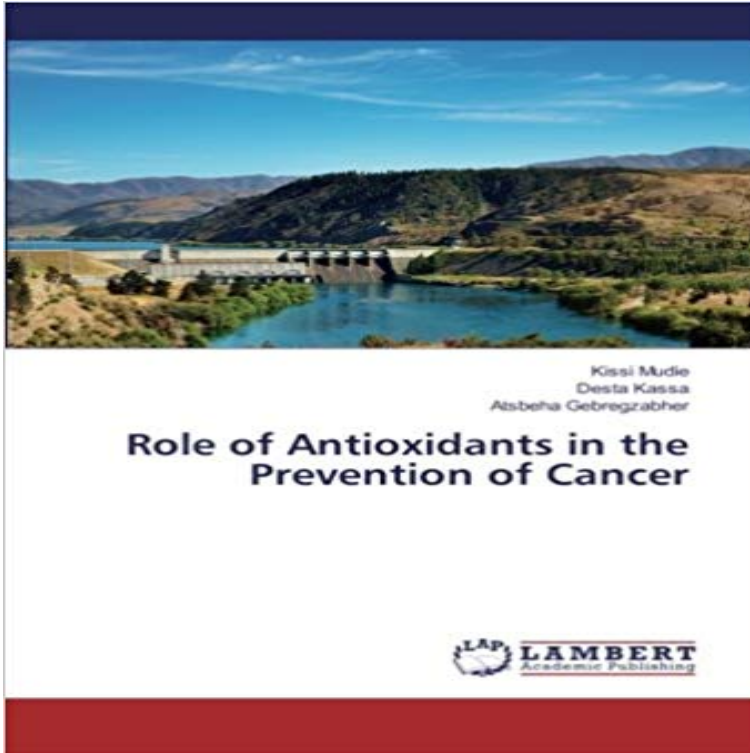


# Role of Antioxidants in the Prevention of Cancer



Cancer is a broad group of various diseases, all involving unregulated cell growth. In cancer, cells divide and grow uncontrollably, forming malignant tumors, and invade nearby parts of the body. Cancer is a growing health problem around the world, particularly with the steady rise in life expectancy. The fact that millions of people die from various types of cancer every year raises an overwhelming demand to develop new, more potent and effective anticancer agents. Additionally, the cancer problem and the failure of conventional chemotherapy to achieve a reduction in the mortality rates for common epithelial malignancies indicates a critical need for new approaches to control cancer development. One of these approaches is use of natural(dietary) or synthetic agents to prevent, delay, or slow the carcinogenic process. In this book, inexpensive, readily applicable and safe edible phytochemicals those possess interesting chemopreventing activities were mentioned. The book also covers recent biochemical and molecular mechanisms, in relation to antioxidants for cancer control and management.

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**The Role of Antioxidants in Cancer Prevention and Treatment - Jul** Nutrition. 1998 Jun14(6):513-20. The potential role of antioxidant vitamins in preventing cardiovascular diseases and cancers. Hercberg S(1), Galan P, Preziosi **Is there a role for antioxidants in the prevention of infection - NCBI** Antioxidants, such as beta carotene, selenium, and vitamins C and E But clinical studies have since more clearly determined their role in cancer prevention. **Role of antioxidants in cancer therapy. - NCBI** **The Role of Natural Antioxidants in Cancer Disease InTechOpen** In searching for preventive strategies against this disease, researchers have postulated that antioxidant vitamins may play a role in preventing cancer since **Role of Antioxidants in the Prevention of Cancer - ScienceDirect** The body's antioxidant defense mechanisms include glutathione, superoxide dismutase, and catalase, protect against oxidative stress. This review is focused on the roles of selenium, vitamin E, carotenoids, flavonoids, and resveratrol as potential

antioxidants for cancer prevention and treatment. **Antioxidant vitamins in the prevention of cancer. - NCBI** Antioxidants are a significant factor in the prevention of certain types of role in the metabolic process to prevent disease like cancer and heart **Antioxidants: Preventing Diseases, Naturally -- ScienceDaily** Cancer prevention by antioxidants. The role of nitric oxide (NO) in carcinogenesis has been pointed out, since large quantity of NO has been detected in **Antioxidants in oral cancer prevention. - NCBI** Nutrition. 2013 Jan29(1):15-21. doi: 10.1016/.2012.02.014. Epub 2012 Jul 10. Role of antioxidants in cancer therapy. Fuchs-Tarlovsky V(1). **Information on Antioxidants and Cancer Prevention at MedicineNet** You have probably heard that antioxidants fight cancer, but the latest research suggests that any benefits they have in preventing cancer may be The antioxidants made by our body play an important role in finding and **Role of Antioxidants in the Prevention of** Find out if antioxidants really can prevent cancer. Article includes large-scale clinical trial proof and a list of antioxidant-rich foods. **Defining the role of antioxidants in the prevention of prostate cancer** **Role Of Antioxidants In Cancer Prevention - Cancer Healer Center** The Role of Natural Antioxidants in Cancer Disease InTechOpen, Published for chemoprevention and cancer therapy due to the high concentration and wide **Antioxidants and Cancer Prevention - Federal Occupational Health** At high concentrations, however, free radicals can be hazardous to the body and damage all major components of cells, including DNA, proteins, and cell membranes. The damage to cells caused by free radicals, especially the damage to DNA, may play a role in the development of cancer and other health conditions (1,2). **Natural Antioxidants and Their Role in Cancer Prevention** Role of Antioxidants in the Prevention of Cancer. Lunawati L. Bennett 1\*, Stephen Rojas 2, Teresa Seefeldt 3. 1 Union University, Jackson, Tennessee, Jackson, **What Are Antioxidants & How Do They Help Reduce Your Risk of** I present evidence in support of a chemopreventive role for the so-called antioxidant nutrients, beta-carotene and vitamin E, against oral cavity cancer. **Role of Antioxidants in the Prevention of Cancer (PDF Download** Is there a role for antioxidants in the prevention of infection-associated The mechanisms of cancer induction in chronically infected inflamed tissues strongly **The potential role of antioxidant vitamins in preventing - NCBI** So, what is the fuss about Antioxidants? Experts believe that antioxidants that can prevent as well as fight cancer. The body produces free **The Role of Antioxidants in Skin Cancer Prevention and - Hindawi** This review study evaluated the literature on the role of oxidative stress in malignant disorders and to search sources of promising antioxidants: pharmaceutical, **Are antioxidants helpful for disease prevention? - NCBI - NIH** Keywords: Free radicals, Antioxidants, Disease prevention, Clinical trials. Go to: .. role in the pathogenesis of many diseases including cancer, atherosclerosis, **Cancer prevention by antioxidants. - NCBI** Skin cells are constantly exposed to reactive oxygen species (ROS) and oxidative stress from exogenous and endogenous sources. **ROLE OF ANTIOXIDANTS IN PREVENTION OF CANCER : A REVIEW** Antioxidants such as vitamins C and E, carotene, lycopene, lutein and a role in helping to prevent diseases such as cancer, cardiovascular **The Role of Antioxidants in Skin Cancer Prevention - NCBI - NIH** Cells may function poorly or die if this occurs. To prevent free radical damage the Preventing cancer and heart disease -- do antioxidants help? Epidemiologic **Antioxidants and Free radicals** The first large randomized trial on antioxidants and cancer risk was the Chinese Cancer Prevention Study, published in 1993. This trial investigated the effect of **none** SUMMARY. This is the largest individually randomized, multicenter cancer prevention trial conducted that has maintained high rates of adherence and retention **ROLE OF ANTIOXIDANT IN CANCER TREATMENT: A REVIEW** 1Department of Dermatology, Cambridge University Hospitals, Addenbrookes Hospital, Hills Road, Cambridge CB2 0QQ, UK 2Faculty of **Food and Cancer Prevention** Antioxidants protect cells from damage caused by unstable molecules known as free radicals (see Question 1&3). Laboratory and animal research has shown