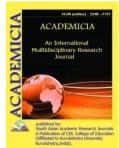


ISSN: 2249-7137 Vol. 11, Issue 10, October 2021 Impact Factor: SJIF 2021 = 7.492



ACADEMICIA An International Multidisciplinary Research Journal



(Double Blind Refereed & Peer Reviewed Journal)

DOI: 10.5958/2249-7137.2021.02100.5

PLANT-BASED NUTRITION'S SIGNIFICANCE IN CANCER PREVENTION

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ABSTRACT

Plants-based nutrition has been proven to protect against 15 of the world's largest leading causes of mortality, including several cancers, and may have potential as a disease-modifying tool for better management or treatment of these diseases. The effects of plant-based diet on breast, prostate, colorectal, or gastrointestinal cancers have been the most thoroughly researched, with the most published supporting data to far. Diets rich in whole foods including plant-based proteins have been proven to protect against these malignancies, as well as other cancers other chronic diseases. Nutritional treatments in the prevention of different malignancies outperform presently available medical therapies, or should be utilized more often as a supplement to first-line medical treatment. Despite the fact that the effects of nutrition are becoming increasingly well-known, as well as the importance of food and lifestyle variables in health and illness is receiving greater attention and focus, the advantages and drawbacks are still underappreciated.

KEYWORDS: Vegan nutrition, Plant-Based Diet, Cancer, Nutritional Therapy.

ISSN: 2249-7137

ACADEMICIA

REFERENCES

- 1. M. Madigan, "The role of plant-based nutrition in preventing heart disease," University of Toronto Medical Journal. 2017.
- **2.** I. Matic, A. Guidi, M. Kenzo, M. Mattei, and A. Galgani, "Investigation of medicinal plants traditionally used as dietary supplements: A review on Moringa oleifera Vegetarian dietary habits in African people," *J. Public Health Africa*, 2018.
- **3.** T. T. Mosby, M. Cosgrove, S. Sarkardei, K. L. Platt, and B. Kaina, "Nutrition in adult and childhood cancer: Role of carcinogens and anti-carcinogens," *Anticancer Research*. 2012.
- **4.** R. Kala, H. N. Shah, S. L. Martin, and T. O. Tollefsbol, "Epigenetic-based combinatorial resveratrol and pterostilbene alters DNA damage response by affecting SIRT1 and DNMT enzyme expression, including SIRT1-dependent γ -H2AX and telomerase regulation in triple-negative breast cancer," *BMC Cancer*, 2015, doi: 10.1186/s12885-015-1693-z.
- **5.** Z. Szabó *et al.*, "Plant-based diets: A review," *Orv. Hetil.*, 2016, doi: 10.1556/650.2016.30594.
- 6. R. Chan, K. Lok, and J. Woo, "Prostate cancer and vegetable consumption," *Molecular Nutrition and Food Research*. 2009, doi: 10.1002/mnfr.200800113.
- **7.** Z. Szabó *et al.*, "A növényi alapú étrendröl," *Orvosi Hetilap*. 2016, doi: 10.1556/650.2016.30594.
- **8.** J. M. Chan, P. H. Gann, and E. L. Giovannucci, "Role of diet in prostate cancer development and progression," *Journal of Clinical Oncology*. 2005, doi: 10.1200/JCO.2005.03.1492.
- **9.** I. Matic, A. Guidi, M. Kenzo, M. Mattei, and A. Galgani, "Investigation of medicinal adietaryplantsreviewtraditionallysupplements:On moringausedoleiferaas," *J. Public Health Africa*, 2018, doi: 10.4081/jphia.2018.841.
- **10.** O. D. Rangel-Huerta and A. Gil, "Nutrimetabolomics: An update on analytical approaches to investigate the role of plant-based foods and their bioactive compounds in non-communicable chronic diseases," *International Journal of Molecular Sciences*. 2016, doi: 10.3390/ijms17122072.