



## Bioactive dietary factors and plant extracts in dermatology /

Watson, Ronald R. (Ronald Ross)  
Zibadi, Sherma

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Monografía

The role of Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology provides current and concise scientific appraisal of the efficacy of foods, nutrients, herbs, and dietary supplements in preventing dermal damage and cancer as well as improving skin health. This important new volume reviews and presents new hypotheses and conclusions on the effects of different bioactive foods and their components derived particularly from vegetables, fruits, and herbs. Primary emphasis is on treatment and prevention of dermal damage focusing on skin cancers with significant health care costs and mortality. Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology brings together expert clinicians and researchers working on the different aspects of supplementation, foods, and plant extracts and nutrition and skin health. Their expertise provides the most current knowledge in the field and will serve as the foundation for advancing future research

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**Mención de serie:** Nutrition and health sciences

**Nota general:** Includes index

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**Contenido:** Part I. Mediterranean diet and skin health -- Immune-Medicated disorders of skin: role of dietary factors and plant extracts? -- UV irradiations, micronutrient supplementation, and cutaneous health: overview -- Skin health and metabolic complications -- Probiotics and skin health -- Part II. Dietary nutrients and skin -- Vitamin C (l-ascorbic acid): antioxidant involved in skin care -- Omega 3 fatty acids in psoriasis -- Arginine derived nitric oxide: key to healthy skin -- Taurine (2-aminoethanesulfonic acid): useful in skin diseases -- Part III. Plant and plant components and skin care -- Turmeric (curcuma longa L.) the Indian golden curry spice as a skin care agent: validation of the traditional uses -- Ginger (zingiber of cinale roscoe) the dietary age in skin care: a review -- Amla (emblica of cinalis gaertn.) the Indian indigenous berry in skin care -- Review on the use of aloe

vera (aloe) in dermatology -- Part IV. Dietary components and skin health -- Chocolate and skin health -- Natural dietary factors (products), antioxidants, and skin health -- Nutrient-rich botanicals in skin health: focus on *avena sativa* -- the role of polyphenols in skin health -- Resveratrol in dermal health -- Skin care properties of grape seed polyphenols, a by-product of the winery industry -- Skin health benefits of coenzyme Q10 -- Protection against free radicals (UVB irradiation) of a water-soluble enzymatic extract from rice bran. Study using human keratinocyte monolayer and reconstructed human epidermis Part V. Essential nutrients and skin cancer -- Folate nutrition in skin health and skin cancer prevention -- Vitamin D and skin cancer: meet sunshine halfway -- Vitamin E in skin cancer and aging skin -- Part VI. Dietary components and skin cancer -- Dietary plant extracts and foods in prevention and skin cancer: an overview -- Promising plant extracts with in vivo anti-melanoma potential -- Molecular sensors and mediators of skin cancer preventative phytochemicals -- Soybean: key role in skin cancer -- Bioactive polyacetylenes of carrots in cancer prevention -- Chocolate: a role in skin care and cancer -- N-acetylcysteine for reduction of oxidative stress/damage and prevention of melanoma -- An Indian spice: turmeric, in relation to skin health and cancer -- Green tea (*Camellia sinensis*): key role in skin cancer -- *Camellia sinensis* (tea) in the prevention of UV-induced carcinogenesis: a mechanistic overview -- Melanoma and leptin -- Part VII. Plants and plant components and non-cancerous skin diseases -- *Curcuma longa*: use for skin disease care -- Western diet-mediated mTORC1 inhibitors -- Legumes and preventive dermatology -- Licorice: *glycyrrhiza glabra* Linn. Used for dermatitis -- role of *Emblica officinalis* in prevention of skin disease -- *Sphaeranthus indicus*: skin disease preventive plant -- Mangosteen (*Garcinia mangostana* Linn.) role in prevention of skin disorders -- Exploring neem (*Asadirachta indica*) for antidermatophytic activity -- *Pongamia pinnata* (Linn.) used in skin disease -- Aloe vera: use for skin disease -- *Tinospora cordifolia* (Willd.) Miq. (Menispermaceae: beneficial effect on skin diseases -- *Withania somnifera*: use for skin disease -- The role of probiotics in atopic dermatitis (eczema) and skin allergy reactions: prevention and therapy

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**Autores:** Watson, Ronald R. ( Ronald Ross) Zibadi, Sherma

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## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)