

Special Issue

Recent Advances in Biology of Ultraviolet Radiation (UVR) and Vitamin D

Message from the Guest Editors

UVR in addition of inducing skin pathology including cancer and aging also exert positive homeostatic effects. The latter includes UVB induced production of vitamin D, which after enzymatic activation exert pleiotropic effects involving regulation of barrier function, of immune and endocrine activities with anticancer actions, aside of regulating body calcium homeostasis. New mechanisms of activation and action of vitamin D have been discovered and a role for UVB in health has been proposed.

This Special Issue will publish the latest findings on broad range of actions of UVR that include negative or positive impact on health, on the role of vitamin D in regulation of local and global homeostasis and on the anti-cancer and/or chemopreventive functions of its metabolites. We welcome experimental research, review and perspective articles dealing with the biological action of UVR, its role in skin physiology and pathology and systemic regulation of body homeostasis. We also welcome articles on the role of vitamin D and its metabolites in the preventive healthcare and diseases treatment including cancer as well as on mechanism(s) of action of these molecules.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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