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Bioactive Compounds in the Pathogenesis, Prevention, and Therapy of Eye Diseases

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Message from the Guest Editors

Dear Colleagues,

Bioactive compounds derived from natural products include a diverse class of compounds with different chemical structures comprising polyphenols, carotenoids, tocopherols, phytosterols, organosulfur compounds, and other classes. Although several bioactive compounds are reported to have a beneficial effect on vision, the results of clinical trials and systematic reviews on their efficacy in various eye diseases are not conclusive.

This Special Issue welcomes both original papers and reviews addressing the potential of bioactive compounds in eye disease pathogenesis, prevention, and therapy. The following diseases may be addressed: refractive disorders, dry eye syndrome, cornea degenerations and dystrophies, conjunctiva disorders, cataracts, uveitis, glaucoma, age-related macular degeneration, diabetic retinopathy, albinism, retinopathy of prematurity, retinitis pigmentosa, ocular tumors, lysosomal storage diseases, and rare ophthalmic genetic diseases, as well as chemical and physical damage of the eye studied in cell cultures, animal models, or human material.

Prof. Dr. Janusz Blasiak
Prof. Dr. Kai Kai Kaarniranta
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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