

Advances in photo protection

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Abstract

Since 1980, the scientific community has been aware about the consequences of sun exposure on our skin. Initially, the protection was meant to diminish the deleterious effects of UVB, but they realized that it was clearly insufficient, and the industry created sun filters to expand the protection to the UVA range.

In 2011 we learned that other sun radiations as visible light, especially blue light were dangerous too, and recently it has been demonstrated that near infrared light (IR-A) is also a contributor to the bad effects of excessive sun exposure without adequate protection.

At present we can use different combinations of raw materials in the sun protection products but there have been some questionings in terms of the bad effects of these substances on the water or on the environment as well as on human beings as hormonal disruptors, or in the metabolism of vitamin D.

We need to educate our population about sun exposure and sun protection, especially in countries that have a high index of sun radiation as it is the case of Chile.

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Biography

Cecilia Orlandi is Medical doctor, specialist in Dermatology and Venereology, University of Chile. She had taken numerous courses and attended many congresses (approximately 270) in Chile, Latin America, USA, Europe and Asia, dealing with photo protection, skin cancer, cosmetology, venereal diseases, immunology, allergy, aging.



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