



Toxicity of Cosmetic and Cosmeceutics Formulations

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Message from the Guest Editor

The cosmetics industry is in a continuous development based on the extraordinarily high consumption of cosmetics. Despite the visible benefits of these products, more and more invisible risks, mostly related to toxicity, are being reported. Firstly, the composition of cosmetics and cosmeceutics involves the addition of chemical compounds that increase their value, quality, lifespan, etc. Secondly, nanotechnology is beginning to be present in a plethora of cosmetics, and the health risks are not detailed enough. Thirdly, safe testing of cosmetics oscillates between in vitro methods, reconstructed human tissue models, and the selection of human volunteers, without a mandatory reference mark. Last but not least, cosmetovigilance is not as extensive as it should be due to incomplete and evasive legislation. Consequently, the use of cosmetics represents a public health problem considering the toxic reactions they can generate, from mild hypersensitivity to lethal intoxication, and the biological risks (cytotoxicity, mutagenicity, neurotoxicity, etc.) must be carefully analyzed.





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Message from the Editor-in-Chief

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