

Submission Summary

Conference Name

International Conference on Nanoscience and Nanotechnology

Paper ID

63

Paper Title

GLOBAL REGULATORY PROSPECTIVE OF NANO COSMECEUTICALS

Abstract

Currently, there has been significant advancement in the use of nanotechnology to increase cosmeceuticals' efficacy. As a result, nano cosmeceuticals are gradually displacing many traditional cosmeceuticals. However, studies on the nano toxicological effects of nano cosmeceuticals have created worries about possible health issues due to their tendency to enter the skin and have adverse consequences. Nanomaterials have a lot of uses in modern cosmeceuticals products because of their distinctive benefits and immense economic potential. A few number of countries have already established their own legislative frameworks to allow for the production and/or importing of cosmetics including nanomaterials. However, because science and technology are advancing so swiftly, it is imperative that we keep up with the latest information about consumer concerns and the safety of nanomaterials. Furthermore, a number of countries have begun developing their own regulations to provide manufacturers and distributors of nano cosmeceuticals with clarity in situations when the definitions of nanomaterials and cosmetics involving nanoparticles are ambiguous. While many more countries have either adopted US or European legislation, many more are still in the early phases of creating a legal framework of this type. Given the variances and limitations in the current regulations and the need for a more complete regulatory framework for the use of nanotechnology in cosmetic products, the debate in this competition gives current global regulatory provisions in the field of nano cosmeceuticals. The idea of creating an integrated regulatory guideline for nano cosmeceuticals seems excellent but is still a long way off from reality, even though the need to implement a uniform regulatory framework for nano cosmeceuticals demands the highest level of consumer safety.

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