

The evaluations of ant-inflammation and antioxidants by encapsulated red raspberry and its effects on mice skin

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ABSTRACT : Consumer demand for antioxidant-rich fruits has enhanced in recent years due to their potential health advantages. Berries, including red raspberries, are rich in various antioxidant compounds such as anthocyanin, flavonoids, tannins, stilbenoids, phenolic acids, lignans, triterpenes, and sterols. These properties can reduce ROS and lots of other dermis problems which are caused by some rays such as UVB that is recognized on mice. Encapsulated raspberry could performed the moisturized effects on skin and reduces the redness and inflammations better than its normal size for the skin. As we anticipate, various bioactive constituents, include polyphenolic compounds, antioxidants, vitamins, and minerals which have been extracted from red raspberries, can repair UVB caused damages on mice models skin. ROS generation due to UVB radiation would disturb the normal redox balance and can guide to highly oxidative stress, which consequently builds up the carbonylation of different groups of proteins. UVB could also obtain acute inflammatory skin problems such as erythema and cell apoptosis. It is organized an immunohistological analysis on mice skin that the damages caused by UVB are reduced when extracted raspberry is utilized. Nanotechnology-based cosmeceutical increased delivery process of the bioactive ingredients among the skin which are minimized in particle size and can absorb faster and easier into skin area

Biography : Kiana Nouri has studied pharmaceuticals in phd grade in azad Tehran university and she has worked on some fields which is related to cosmeceutical fields such as essential and vegetable oils and their applications in cosmetics. She held a workshop on December 2019 in Iran which named vegetable oils and its applications in cosmetics in hotel olympic in Tehran which supported by Iran Cosmetics. She has worked on some research which could relate pharmacognosy and cosmetics and she endeavors to relevant these two fields more connected even with the minimum facilities in her country



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