

Nutri-Cosmeceuticals

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Editorial

The word "nutricosmeceutical" was coined by merging the terms "nutraceuticals" and "cosmeceuticals." It is a term used by the industry to define supplements, functional foods, and drinks that include active substances that can improve human attractiveness and health, despite the fact that it is not recognised by the FDA or EU regulations. The nutricosmetics market is benefiting greatly from excellent economic conditions and the increase in the older population. From 2017 to 2025, the global market for nutricosmetics will expand at a 5.0 percent Compound Annual Growth Rate (CAGR), reaching US\$7.93 billion. The market for nutricosmetics is divided into three categories: ingredient type, application (skin care, hair care, and nail care), and geography. As the average age in Europe rises, it is predicted that cosmeceuticals for the elderly will become more popular, but herbal supplements will become more popular in the United States, which has been recognised as the region's greatest impact rendering driver. Skin care is expected to increase at a 4.5% Compound Annual Growth Rate (CAGR) to \$194 961 million in 2024. 3 The global market for snail beauty products (snail extracts, snail mucus, snail oil, snail serum, or snail filtrate) has grown due to growing demand for natural cosmetics. Snails are a popular meal among many people. Secondary metabolites are a source of secondary metabolites that are employed in.

Cosmetics and medicine are two different things. Escargot (snail meat) is high in protein, despite their poor fat content and mineral sources. However, According to HMSO, the n6/n3 and PUFA/SFA ratios were in a healthy range. The pharmacologic properties of helix slime components have been extensively researched and documented. Snail mucus is used in cosmetics to promote the production of collagen, elastin, and dermal components, which help to heal photo aging symptoms and decrease free radical damage. The goal of this study was to measure the amounts of allantoin and glycolic acid in snail mucus for the first time. *Helix aspersa* is a kind of helix. Muller mucus (Helix Complex)

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from Campania was evaluated for its potential as a source of valuable molecules for the nutricosmeceutical sector, and a moisturizer cosmetic cream with excellent moisturizing qualities was formulated. Moisturizers are creams that are applied to the skin to prevent dryness and to improve and maintain the skin's barrier function. In addition to typical moisturizer ingredients, the next generation of moisturizer's includes barrier repair compounds. Allantoin, collagen, elastin, and glycolic acid, as well as glycoproteins, make up snail mucus, which is a combination of active ingredients widely considered to have beneficial characteristics for the treatment of skin diseases.

Allantoin is a safe and effective active ingredient for skin protection, according to the US Food and Drug Administration (FDA) and EU regulations on cosmetic goods. It has a desquamating effect and aids cell proliferation and wound healing, making it useful in the battle against skin damage. Allantoin also raises the extracellular matrix's water content and forms complexes with irritating and sensitising chemicals. It is used in cosmetics and personal care products like as shampoos, lotions, creams, and lipsticks, as well as topical pharmaceutical agents for the treatment of skin disorders, such as anti-acne treatments, for these reasons. Glycolic acid, also known as alpha-hydroxyacetic acid, is used to treat skin conditions such as actinic keratosis, hyperkeratosis, and seborrheic eczema in cosmetic and pharmaceutical treatments.