

มีการอ้างอิงบทความวิจัย “Collagenase and Tyrosinase Inhibitory Activities and Stability of Facial Cream Formulation Containing Cashew Leaf Extract” ตั้งแต่ 1 ตุลาคม 2568 – 28 กุมภาพันธ์ 2569 จำนวน 5 บทความ

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Jolin Hui Hsing Lau, Norazira Abdu Rahman, Kar Lin Nyam & Sook Chin Chew

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Abstract

Marine microalgae are receiving increasing attention in the food and nutraceutical fields due to their sustainable production. This study evaluated the antioxidant activity and

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
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Future Foods
Volume 13, June 2026, 100917



Anthocyanin-rich functional drinks enriched with hyaluronic acid (HA) and hydrolysed marine collagen: Physicochemical, antioxidant, and toxicity evaluation

Deia Tawalbeh ^{a, b}, Nur Fatieha Ismail ^a, Soon Yong Ing ^c, Nur Abir Dzulkifli ^c, Mohd Hafiz Mail ^c, Nur Hasnieza Mohd Rosli ^c, Faisalina Ahmad Fisol ^c, Norizah Mhd. Sarbon ^a

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
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Collagenase Inhibitory Activities of Plants: A Review

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Nelum Priyadarshani Piyasena, Ayeshmanthi Jayasekara, Mayuri Napagoda, Nimal Adikaram, Lalith Jayasinghe

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ABSTRACT
Background
Aging is a dynamic, gradual, and irreversible biological process, with skin aging characterized by dermal thinning, a progressive loss of collagen fibers, and a reduction in elastic fibers, ultimately leading to lost skin

1 | Introduction

The skin, the largest and most visible organ of the human body, accounting for approximately 15% of an adult's total body weight, serves as a complex protective barrier and the first line of defense against pathogens, ultraviolet (UV) radiation, chemicals, and mechanical injury [1, 2]. The skin is composed of the subcutaneous tissue, dermis, and epidermis. The outermost epidermal layer, the stratum corneum, consists of dead cells. The dermis is largely constituted by an extracellular matrix synthesized by fibroblasts and composed of collagen, elastic and reticular fibers, as well as proteoglycans. This matrix confers mechanical strength, elasticity, and firmness to the skin. However, the synthesis and organization of these structural components progressively decline with advancing age. Aging is characterized by the gradual deterioration of biological components, tissue architecture, and physiological functions, ultimately leading to reduced vitality and death [3, 4]. Aging is characterized by the gradual deterioration of biological components, tissue architecture, and physiological functions, ultimately leading to reduced vitality and death [3, 4]. Skin aging is a complex, irreversible biological process governed by both intrinsic (chronological) and extrinsic (environmental) factors [4, 5].

1.1 | Intrinsic Skin Aging

Intrinsic skin aging, closely associated with chronological age, represents the normal aging process of all tissues and is an unavoidable consequence of natural physiological changes occurring over time at genetically predetermined and unalterable rates [6]. It is driven by internal factors such as hormonal changes, metabolic processes, immune system

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DETAILS | RELATIONS

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Abstract Article 8 17 February 2026

Psidium cattleianum Sabine as a Source of Bioactive Compounds for Skin Disorders

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Abstract

Psidium cattleianum Sabine (strawberry guava, araçá) is an ethnomedicinal plant with reputed health benefits; however, its potential for treating skin disorders remains underexplored. This study aimed to characterize the phytochemical profile of *P. cattleianum* leaves from Cabo Verde and evaluate their bioactivity relevant to skin health. Phytochemical analysis was performed using high-performance liquid chromatography-mass spectrometry (HPLC-MS/MS) to identify and quantify various polyphenolic compounds. The results showed a rich profile of flavonoids, including quercetin, kaempferol, and flavan-3-ols. In vitro antioxidant and antimicrobial assays demonstrated significant activity against several bacterial strains. The study highlights the potential of *P. cattleianum* as a natural source of bioactive compounds for skin health applications.

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