

Coconut is Monocotyledon Win from the Palmaceae Family

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Introduction

Coconut is monocotyledon win from the Palmaceae family. *Coccoloba nucifera* L. is generally called as coconut win and is one of the most useful trees in the world. Well-known products of coconut win include coconut canvas, coconut milk, and coconut water and coconut meat. Coconut milk is generally uprooted from grated coconut meat after pressing or squeezing with or without the addition of water. Coconut milk has been used as a major component for several cookeries similar as curries and goodies. Besides serving as a food component, coconut milk is used for the product of virgin coconut canvas (VCO), for which collapse of coconut milk conflation is needed [1]. Coconut milk conflation stability is generally governed by some proteins in the waterless phase. Therefore, to maximize the yield of VCO, the conflation of coconut milk must be collapsed to a high degree, in which canvas can be released and separated effectively. To gain VCO from the wet birth process, destabilization of coconut milk conflation has been enforced via several processes similar as physical birth, turmoil, and enzymatic birth. VCO is generally manufactured from coconut meat by natural or mechanical means without or with the operation of heat. Chemical refining, bleaching, or palliating styles are neglected. Thus, the nature of performing VCO isn't changed. VCO or coconut canvas consists of medium chain adipose acids (MCFAs), substantially lauric acid. VCO isn't analogous to other vegetable canvases because of its high MCFAs content. Because of high stability and colorful health benefits, VCO has come the subject of consumer and processor interest. This review covers characteristics and functional parcels of coconut proteins, especially their part in emulsifying or stabilizing coconut milk [2]. In addition, a summary of product, quality, and operations of VCO, substantially by induction of conflation collapse, is redefined.

Coconut

Coconut is economically important and generally used in numerous traditional foods of Pacific and Asian regions. Asia is the major coconut patron each over the world and 90 of the world's total coconuts are cultivated in Indonesia, Philippines, India, Sri Lanka, and Thailand [3]. About 70 of coconuts are consumed domestically, and over half of the crop is consumed fresh. The comestible coconut products are substantially attained from meat (solid endosperm) and water (liquid endosperm). Coconut has been also used as traditional drug, casting material and energy. In general, fruits take about one time for the entire development [4]. First, the cocoon and shell

grow and depression of embryo sac enlarges vastly. This depression is filled with liquid. After about four months, the cocoon and shell come thicker. The solid endosperm begins to form against the inner wall of the depression after six months. This first subcase is thin and glutinous. About eight months latterly, the soft white endocarp becomes hard and dark brown [5]. The fruit becomes mature within 12 months. The mature coconut (MC) fruit contains 35 cocoons, 12 shells, 28 meats, and water. A sampling of a coconut is illustrated.

Coconut proteins

Piecemeal from canvas, coconuts also contain proteins with relatively well-balanced amino acid profile in term of nutritional value. To recover or prize coconut proteins, protein isolates from coconut skim milk were prepared by ultrafiltration, swab rush, isoelectric rush, and heat coagulation.

Reference

- 1 Carr H, Plumb G, Parker M, Lambert N (1990) Characterization and crystallization of an 11S seed storage globulin from coconut. *Food Chemistry* 38: 11-20.
- 2 Chambal B, Bergenstahl B, Dejmek P (2012) Edible proteins from coconut milk press cake; one step alkaline extraction and characterization by electrophoresis and mass spectrometry. *Food Research International* 47: 146-51.
- 3 Chambal B, Bergenstahl B, Dejmek P (2013) Coconut press cake alkaline extract-protein solubility and emulsification properties. *Food and Nutrition Sciences* 4: 29-37.
- 4 Chiewchan N, Phungamngoen C, Siriwattanayothin S (2006) Effect of homogenizing pressure and sterilizing condition on quality of canned high fat coconut milk. *Journal of Food Engineering* 73: 38-44.
- 5 Dayrit FM (2014) Lauric acid is a medium-chain fatty acid; coconut oil is a medium-chain triglyceride. *Philippine Journal of Science* 143: 157-66.

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