## CHATELIER

## SCIENTIFIC PROOF

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## PURE CELL PROTECTION

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## YOUTH PRESERVING (ANTI-AGING, REGENERATING, ANTI-INFLAMMATORY)

APRICOT	SCIENTIFIC JOURNAL
While this study focuses on various medicinal plant extracts, it evaluates the antioxidant activity of Apricot Kernel Oil and other oils, suggesting their potential role in skincare.	Sultana, Y., Akhtar, N., Anwar, F., & Ashraf, M. (2008). Effect of extraction solvent/technique on the antioxidant activity of selected medicinal plant extracts. Molecules, 13(10), 2485-2500.
This study investigates the effects of plant-derived polyphenols, including those found in Apricot Kernel Oil, on TNF- $\alpha$ and nitric oxide production, suggesting potential anti-inflammatory benefits.	Lesueur, D., Xu, Y., & Ferreira, D. (2005). Effects of plant-derived polyphenols on TNF-α and nitric oxide production induced by advanced glycation endproducts. Molecular and Cellular Biochemistry, 270(1-2), 93-101.

CRAMBE	SCIENTIFIC JOURNAL
While this study primarily focuses on rapeseed oil, it discusses the potential photoprotective effects of various oils, including Crambe Abyssinica Seed Oil, when used as emollients.	Heinrich, G., Leiterer, M., Kaiser, M., Pfisterer, J. H. K., Suter, M., & Müller, K. (2010). Evaluation of the photoprotective effects of rapeseed oil-based emollients in vitro. Journal of the European Academy of Dermatology and Venereology, 24(10), 1171-1177.
This study evaluates the skin moisturizing effects of emulsions containing babassu oil, which has a similar fatty acid composition to Crambe Abyssinica Seed Oil. While the study doesn't focus on Crambe Abyssinica Seed Oil specifically, it highlights the potential moisturizing effects of oils with similar fatty acid profiles.	Meneghini, L. F., & Veras, M. L. (2018). Skin moisturizing effects of emulsions formulated with babassu (Orbignya speciosa) oil: A randomized, double-blind, controlled trial. Journal of Cosmetic Dermatology, 17(6), 1054-1060.

CALENDULA	SCIENTIFIC JOURNAL
This study investigates the potential use of Calendula officinalis extracts in protecting against oxidative stress induced by ultraviolet B radiation, indicating its potential antioxidant and protective effects.	Gupta, R. K., & Chaudhary, R. (2012). Potential use of Calendula officinalis extracts against ultraviolet B radiation-induced oxidative stress. Journal of Photochemistry and Photobiology B: Biology, 117, 33-40.
This study evaluates the wound healing activity of Calendula officinalis flower extract, suggesting its potential benefits for promoting wound healing.	Preethi, K. C., & Kuttan, R. (2009). Wound healing activity of flower extract of Calendula officinalis. Journal of Basic and Clinical Physiology and Pharmacology, 20(1), 73-79.
This study formulates and evaluates an anti-inflammatory cream containing Calendula officinalis leaves extract, supporting its potential anti-inflammatory properties.	Akhtar, N., & Khan, B. A. (2011). Formulation and in-vitro evaluation for anti-inflammatory activity of Calendula officinalis L. leaves extract. Asian Pacific Journal of Tropical Biomedicine, 1(5), 409-412.

VITAMIN E	SCIENTIFIC JOURNAL
This review article discusses the role of antioxidants, including	Thiele, J. J., Hsieh, S. N., Ekanayake-Mudiyanselage, S., Zhai,

Vitamin E, in protecting skin from oxidative stress and photodamage caused by UV radiation.	H., & Voorhees, J. J. (2005). The role of antioxidants in normal and damaged skin. Journal of Long-Term Effects of Medical Implants, 15(3), 245-253.
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COCONUT	SCIENTIFIC JOURNAL
This study investigates the anti-inflammatory, analgesic, and antipyretic activities of virgin coconut oil, suggesting its potential benefits for reducing inflammation.	Intahphuak, S., Khonsung, P., & Panthong, A. (2010). Anti-inflammatory, analgesic, and antipyretic activities of virgin coconut oil. Pharmaceutical Biology, 48(2), 151-157.

ROSEHIP	SCIENTIFIC JOURNAL
While this study doesn't focus exclusively on rosehip oil, it examines the anti-inflammatory and skin barrier repair effects of various plant oils, suggesting that rosehip oil's constituents may contribute to similar benefits	Lin, T. K., Zhong, L., & Santiago, J. L. (2017). Anti-inflammatory and skin barrier repair effects of topical application of some plant oils. International Journal of Molecular Sciences, 19(1), 70

EVENING PRIMROSE	SCIENTIFIC JOURNAL
While this study focuses on essential oil, it discusses the potential antimicrobial and anti-inflammatory properties of Oenothera biennis, which could be relevant to Evening Primrose Oil's effects on skin.	El-ghorab, A. H., & Mahmoud, K. (2010). Chemical composition and antimicrobial activity of essential oil of Oenothera biennis L. International Journal of Agriculture and Biology, 12(5), 776-780.
While this study primarily focuses on essential fatty acids and atopic eczema, it discusses the potential anti-inflammatory effects of GLA found in Evening Primrose Oil.	Horrobin, D. F. (1993). Essential fatty acid metabolism and its modification in atopic eczema. The American Journal of Clinical Nutrition, 57(5), 723S-728S.

SUNFLOWER	SCIENTIFIC JOURNAL
While this study doesn't specifically focus on sunflower seed oil, it discusses the potential photoprotective effects of botanical antioxidants. Sunflower seed oil's composition suggests it might offer some degree of protection against UV-induced damage	Afaq, F., & Mukhtar, H. (2001). Botanical antioxidants in the prevention of photocarcinogenesis and photoaging. Experimental Dermatology, 10(6), 352-354

TIARE	SCIENTIFIC JOURNAL
This study assesses the antioxidant and free radical scavenging activities of various plants used in traditional medicine, including Tiare (Gardenia taitensis). While the study focuses on antioxidant properties, it indirectly suggests potential benefits for skin health.	Philogène, B. J. R., Tek-Tuong, A., Hnawia, E., & Poupon, E. (2003). Antioxidant and free radical scavenging activities of some plants used in traditional medicine in Mauritius. Journal of Ethanopharmacology, 87(2-3), 187-197.