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Cydonia oblonga Mill.: Wound Healing Properties

[Elhan Khan](#) & [Iffat Zareen Ahmad](#)

Chapter | [First Online: 01 November 2023](#)

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Abstract

Traditional and indigenous medicines make significant use of natural raw materials and derivatives of natural products. *Cydonia oblonga* Mill, commonly known as 'Behi', in India or 'Quince' in English, belongs to the family of Rosaceae. Quince is one of the plants that has been traditionally cultivated for its medicinal, nutritional, and decorative properties. In India, quince is typically cultivated in backyards and on fence corners in Jammu and Kashmir and certain portions of Himachal Pradesh. Quince seed mucilage (QSM) is reported to have a significant wound healing potential, as it is believed to be the best for biomedical functions as it contains biocompatible, inexpensive, water-soluble glucuronoxylan and glucuronic acid-based biomaterials. QSM is utilized to make creams, nano-bandages, and dermal patches for the treatment of both two-degree burn wounds and inflammation caused by microbial infections. Nanoparticles of QSM (silver and zinc oxide) are also reported to attain synergistic wound healing activity with increased efficacy. There is still a need for clinical trials and research to evaluate quince-based extracts and QSM for their efficacy and safety.

Keywords

Cydonia oblonga **Quince** **Wound healing** **Burns**
Inflammations **Quince seed mucilage** **Dermal patches**

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About this chapter

Cite this chapter

Khan, E., Ahmad, I.Z. (2023). *Cydonia oblonga* Mill.: Wound Healing Properties. In: Máthé, Á., Khan, I.A. (eds) Medicinal and Aromatic Plants of India Vol. 2. Medicinal and Aromatic Plants of the World, vol 9. Springer, Cham. https://doi.org/10.1007/978-3-031-44914-7_4

[.RIS](#) [.ENW](#) [.BIB](#)

DOI	Published	Publisher Name
https://doi.org/10.1007/978-3-031-44914-7_4	01 November 2023	Springer, Cham
Print ISBN	Online ISBN	eBook Packages
978-3-031-44913-0	978-3-031-44914-7	Biomedical and Life Sciences Biomedical and Life Sciences (RO)

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Medicinal and Aromatic Plants of the World

Ákos Máthé
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Medicinal and Aromatic Plants of India Vol. 2

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ISSN 2352-6831

ISSN 2352-684X (electronic)

Medicinal and Aromatic Plants of the World

ISBN 978-3-031-44913-0

ISBN 978-3-031-44914-7 (eBook)

<https://doi.org/10.1007/978-3-031-44914-7>

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