

A Review on Extraction, Isolation Separation Technique of Bitter Gourd

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Abstract: *Bitter gourd (Momordica charantia L.) is a vegetable and also an important medicinal plant with economic importance. There is a rapidly increasing demand for this plant in Turkey and its cultivation has started. However, no production status has entered the statistics yet. At the same time, this plant is not known enough in Turkey. There is a need for more scientific studies that reveal the importance of this plant for the production of bitter melon in Turkey in Turkey, theses, research articles, review articles, and book chapters have been written, and congress presentations and projects have been made so far. A total of 50 studies on the subject have been reached. Studies on bitter gourd began in 1993 and have continued to increase until today. These studies were mostly focused on antioxidant and antimicrobial activity. The most recent studies have been studies on industrial use and Covid19 treatment. Bio- technological and nanotechnological studies on bitter gourd are not yet sufficient and no studies on gene transformation have been found. This review aims to bring together all the studies on the potency of bitter gourd in Turkey and to reveal a future perspective. As a result, it was concluded that more scientific studies should be done in Turkey.*

Keywords: Bitter Gourd: Momordica Charantia 1; Turkey, Research: Medicinal Plant