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## Identification of *Mammillaria elongata* extract with biochemical parameters

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**M***ammillaria elongata* is a species of *Cactaceae* family, native to central Mexico. In Turkey, it is grown as cultivated plant. The succulent plants have pink/red fruits. In this study, we investigated the protein content, sugar content, anti-bacterial and anti-fungal effect in fruit extract. According to the results, in the fruit with a total wet weight of 0,252 g, 15,5215 mg protein was found with Lowry method. The extract contains high amounts of reducing sugar such as glucose. Bacterial growth (*Escherichia coli* and *Pseudomonas aeruginosa* on bloody agar) and fungal

colonization (*Fusarium oxysporum*, *Rhizoctonia solani*, *Sclerotinia sclerotiorum* on PDA) were not affected by plant extract. However, in all control media that contain only plant extract, pink colored, and round shaped (coccus) slime organism growth was observed. Within possibilities; the observed organism could be living inside *M. elongata* fruit as probiotic as it contains high protein and carbohydrate or it might be a novel species. In future studies, the organism that was considered as bacteria, will be identified with 16S rRNA analysis.

### Biography

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