

A Review on Extraction, Isolation and Separation Technique Studies of Rose Levels

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Abstract: *Rosa damascena* is one of the most important *Rosa* species for the flavour and fragrance activities. Roses are well known as ornamental plants grown for their flowers in garden and indoors. This plant is cultivated all over the world including Iran, Europe, Bulgaria, Turkey and India. Various parts of *Rosa damascena* like petals, hips, stems, leaves and roots having medicinal properties and contains various secondary metabolites including vitamins and minerals. The flower petals of *Rosa damascena* are high in phytonutrients with antioxidant and antibacterial properties. This plant has been used in Ayurveda and Unani systems of medicine since ancient era and have many pharmacological properties including anti-HIV, antibacterial, antioxidant, antitussive, hypnotic, antidiabetic, antifungal, antiaging, antiinflammatory and others. Various products can be obtained from *Rosa damascena* are rose water, rose oil and medicinal products.

Keywords: Rose damascenea, Damask rose, Antioxidant activity, Roseoil, Rose water