

ABSTRACT

Prunus persica L. was selected for research work due to its commercial and medicinal importance. It is one of the very common fruits eaten. But in addition to this it has a number of medicinal uses in the traditional medicinal systems of different regions.

Flavonoids refer to a class of phytochemicals that are water-soluble plant pigments. Chemically they are polyphenols. The literature suggested that flavonoids might have diverse benefits including as antioxidant, antiviral, anti-allergic, anti-platelet, anti-inflammatory, and anti-tumor effects. Certain flavonoids might even have antihistamine, anti-microbial, memory and mood enhancing properties.

Flavonoids were extracted from the dried plant material(stems and leaves separately). The extract was treated with 10% HCl to hydrolyze the flavonoid glycosides. It was then extracted with Chloroform and Ethyl acetate. Residual water layer was also kept for analysis.