Estimation of Flavonoids in the Amaranthus viridis linn A Review

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Abstract: Amaranthus Viridis, is traditionally used for treatment of constipation, inflammation, eczema, bronchitis, anaemia, leprosy. Flavonoids are a group of polyphenolic compounds, which are widely distributed throughout the plant kingdom. Flavonoids like Rutin and Quercetin possess many biochemical effects like inhibition of enzymes, regulatory role on different hormones and pharmacological activities like antimicrobial, antioxidant, and anticancer, antihepatotoxic, protection of cardio vascular system. An HPLC method was developed for the estimation of rutin and quercetin from methanol herbal extract of Amaranthus viridis. Flavonoids like Rutin and quercetin possess many biochemical effects like inhibition of enzymes, regulatory role on different hormones and pharmacological activities like antimicrobial, antioxidant, and anticancer, antihepatotoxic, protection of cardio vascular system.

Keywords: Amaranthus viridis, Rutin, Quercetin, Pharmacological activities.

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