

Studies on the Leaves of Justicia **Gendarussa**

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Abstract

Justicia Gendarussa known as Willow-leaved justicia in English, it is native to china. It is commonly found throughout the greater part of India and Andaman islands. **Justicia gendarussa** is one of the important herbal being used in Ayurvedic system of medicine.

Mostly the leaves are used for the medical purposes. A wide variety of biologically active constituents such as flavonoids, alkaloids, steroids, terpenoids, saponins, phenolic compounds and carbohydrates are present in this plant. The leaves also contain friedelin, lupeol, β -sitosterol and aromatic amines. This plant exhibits anticancer, antibacterial, hepatoprotective, antioxidant, anthel-mintic and antiangiogenic activities.

This work will focus on the phytochemical constituents isolated from the plants and phytochemical properties of **Justicia gendarussa**. Different techniques such as chromatography i.e. Column chromatography and Thin Layer Chromatography (TLC) as well as spectroscopic techniques such as IR, UV, and NMR were used for identification of compounds.