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Monograph Studies on Nyctanthes arbor-tristis

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Abstract: *Nyctanthes arbor-tristis belongs to Oleaceae family, which has various medicinal properties.Different parts of the plant are utilized in traditional treatment to cure various diseases like sciatica, chronic fever, skin related diseases. In the current research, the methanol and aqueous extracts of Nyctanthes arbor-tristis leaves were evaluated for phytochemical analysis, antioxidant, antibacterial and anti-inflammatory activities. The preliminary phytochemical analysis in the methanolic and aqueous extracts showed the presence of compounds such as alkaloids, glycosides, phenols, flavonoids, terpenoids, and tannins. Themethanolic extract showed maximum anti-inflammatory activity than the aqueous extract. The antibacteria activity assessed using the methanolic extract of N. arbor-tristis flower extract showed significant zone of inhibition.*

Keywords: Nyctanthes arbor-tristis, phytochemicals, antioxidant, antibacterial, anti-inflammatory activity

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