## IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 7, May 2023

# **To Formulation and Evaluation of Fast Dissolving Tablet Containing Nyctanthes Arbos Tristis Leaves**

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Abstract: Ayurveda is one of the oldest systems of medicine that uses plants and their extract for treatment and management of various diseased states. The plant plays an important role in drug discovery process and exclusively used to develop a meaningful therapeutic agent. 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 current research, the methanol and aqueous extracts of Nyctanthes arbor-tristis leaves were evaluated for phytochemical analysis, antioxidant, antibacterial and anti-inflammatory activities. Nyctanthes arbor-tristis has anti-inflammatory activity it is used in treatment of arthritis. Arthritis is a disorder which affect joint and cause joint pain. Phenolic compound, tannins, glycosides, carbohydrates, proteins and alkaloids were present in Nyctanthes arbor-tristis and flavonoids were absent. The fast-dissolving tablets are prepared by direct compression method using other excipients

Keywords: Nyctanthes arbor-tristis, phytochemicals, antioxidant, antibacterial and anti-inflammatory activities, therapeutic agent

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