## **IJARSCT**



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

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

Volume 4, Issue 4, November 2024

## A Review on Extraction of Phytochemicals from Cluster Fig Leaves

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Abstract: The Cluster Fig (Ficusracemosa), a medicinal plant, is known for its diverse therapeutic properties. The leaves of Ficusracemosa contain a variety of bioactive phytochemicals, which contribute to its medicinal properties. This review explores the various methods employed for extracting these phytochemicals, including traditional and modern techniques, and examines the bioactive compounds identified in the leaves. Furthermore, the paper discusses the pharmacological activities associated with these compounds and their potential applications in medicine, food, and agriculture. Challenges and future perspectives on the extraction and utilization of these phytochemicals are also addressed. It is widely distributed in tropical and subtropical regions, particularly in South and Southeast Asia. This tree is known for its rich cultural, medicinal, and ecological value. Ficusracemosa leaves, in particular, have attracted attention due to their bioactive constituents and potential therapeutic properties. Phytochemicals extracted from these leaves have shown promise in treating a variety of ailments, ranging from antimicrobial and antioxidant properties to anti-inflammatory and anticancer activities. This paper aims to review the various methods of extracting phytochemicals from Cluster Fig leaves

**Keywords:** Ficusracemosa, Cluster fig, Phytochemicals, Extraction methods, Bioactive compounds, Medicinal plants, Pharmacological activity

DOI: 10.48175/568



