ISOLATION OF ACTIVE CONSTITUENTS AND ANTIMICROBIAL ACTIVITY OF *Houttuynia cordata Leafs*

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By

ANSHU TRIPATHI
(Roll No.1112358501)

Under the Supervision of

Mr. S. K. Yadav
Assistant Professor

To the
Faculty of Pharmacy

Saroj Institute of Technology & Management, Lucknow (U.P.)

GAUTAM BUDDH TECHNICAL UNIVERSITY,
(Formerly Uttar Pradesh Technical University)
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ABSTRACT

Houttuynia cordata Thunb is an important medicinal plant widely distributed in East Asia. The collected information is an attempt to cover recent developments in the pharmacology, phytochemistry and quality control of this species. During the past several decades, the medicinally important phyto-constituents have been identified including essential oil, flavonoids and other polyphenols, fatty acids and alkaloids. A survey of the literatures shows *H. cordata* possesses a variety of pharmacological activities including antiviral, antitumor, antimicrobial, anti-inflammatory, and antioxidative effects. The present study was taken for antimicrobial activity of methanolic extract of *H. cordata* and isolation of single compound. The antimicrobial activity was determined against three pathogens (*P.aeruginosa, E.coli, and S.aureus*) by the agar well diffusion method. The methanolic extract was effective against the *P.aeruginosa* and the *E.coli*, but more effective against the *P.aeruginosa*.

Anshu Tripathi