

Constituents of the essential oil from the fruits of *Zanthoxylum rhesoides* Drake from Vietnam and from the aerial parts of *Zanthoxylum alatum* Roxb. from India

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Abstract: The essential oil from the fruits of *Zanthoxylum rhesoides* Drake (syn. *Z. myriacanthum* Wall. ex Hook. f.) of north-west Vietnamese origin consists of 78% of monoterpene hydrocarbons, 19% of oxygenated monoterpenes, 1% of n-alcohols and only 1% of sesquiterpenes. The essential oil from aerial parts of *Zanthoxylum alatum* Roxb. (syn. *Z. armatum* DC., *Z. planispinium* Sieb. et Zucc.) collected in north-west India contains 33% of monoterpene hydrocarbons. The main constituents are 1,8-cineole (15.7%, 18), linalol (18.8%, 28) and undecan-2-one (17.0%, 60).

Author Keywords: Essential oil; Monoterpenes; Rutaceae; Undecan-2-one; *Zanthoxylum alatum* Roxb. (syn. *Z. armatum* DC, *Z. planispinium* Sieb. et Zucc.); *Zanthoxylum rhesoides* Drake (syn. *Z. myriacanthum* Wall. ex Hook. f.)

Index Keywords: cineole; essential oil; linalool; plant extract; sesquiterpene; terpene; article; chemical composition; fruit; India; Viet Nam; *Zanthoxylum alatum*; *Zanthoxylum rhesoides*

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