

Symphorema polyandrum: An integrative review of traditional use, phytochemistry, pharmacology, and conservation

E Rajitha and K Ashok Kumar

DOI: <https://www.doi.org/10.22271/phyto.2026.v15.i3a.15859>

Abstract

Symphorema polyandrum is a woody vine or climbing shrub belonging to family Lamiaceae (previously Verbenaceae), found in Southeast Asia and India. Although there are limited studies, the plant has been used traditionally in folk medicine to treat fever, inflammation, wounds, and gastrointestinal illness. Initial phytochemical investigations uncover the flavonoids, terpenoids, and phenolic compounds accountable for its antioxidant, anti-inflammatory, and antimicrobial activities. Scientific evidence of its therapeutic applications is very limited. Destruction of its habitat is also threatening to destroy its natural populations, so greater attention should be paid to its cultivation, conservation, and therapeutic uses. The present review is a preliminary step in trying to collect available information on *S. polyandrum*, highlighting its plant nature, traditional uses, phytochemistry, and pharmacological potential, and urging stricter research to unlock its medicinal potential.

Keywords: *Symphorema polyandrum*, Lamiaceae, ethnomedicine, phytochemistry, pharmacological activities, conservation