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## *Artemisia nilagirica* (Clarke) Pamp. and *Clerodendrum philippinum* Schauer promising low cost remedy as veterinary anti inflammatory drugs

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*Artemisia nilagirica* (Clarke) Pamp. (Asteraceae) and *Clerodendrum philippinum* Schauer (Verbenaceae) are the aromatic perennial shrubs present in various parts of India. The present study was conducted to assess the phytochemical constituents and anti inflammatory activities of ethanolic extracts of *Artemisia nilagirica* and *Clerodendrum philippinum* in Wistar albino rats along with its possible toxicities. Acute oral toxicity 2000mg/kg and acute dermal toxicity using 100% extract was ascertained as per relevant OECD guidelines and found to be safe to use by both routes even at very high doses. Anti inflammatory activity was measured using carrageenan (0.1 ml of 1% w/v carrageenan suspended in 0.9% normal saline, sub plantar injection) induced paw oedema in rats comparing it to the standard drug aspirin (300mg/kg, orally). It has been found that both the plants extracts (500 mg/kg, orally) possess anti inflammatory activity comparable to that of aspirin and the activity of *A. nilagirica* is little bit higher than that of *C. philippinum*. Phytochemical analysis as per the standard methods revealed the presence of flavonoids, saponins, terpenoids, fixed oils and fats, steroid, glycosides, phenolic compounds & tannins in ethanolic extract of *Artemisia nilagirica* and flavonoids, fixed oils and fats, steroid, glycosides, alkaloid, saponins, carbohydrates, phenolic compounds and tannins in *Clerodendrum philippinum*. These plants have already established wound healing activity and are abundantly available in many places in India as a weed plant. Hence both the plants can be used as a cheap, safe and effective remedy in the treatment of inflammatory ailments in veterinary practice.

### Biography

Darsana U, has completed her BVSc & AH at the age of 24 years from Kerala Veterinary and Animal Sciences University. Now, she is a second year MVSc Scholar in the Department of Veterinary Pharmacology and Toxicology, Kerala Veterinary and Animal Sciences University, Pookode. She has published one paper in International Journal of Comprehensive Pharmacy.

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