

3rd International Conference and Exhibition on

Pharmacognosy, Phytochemistry & Natural Products

October 26-28, 2015 Hyderabad, India

Isolation and evaluation of chemical constituents of *Cissus quadrangularis*

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Since ancient age nature has been a source of medicinal agents and many of the traditional drugs have been isolated from natural source. *Cissus quadrangularis* is used in indigenous system of medicine like ayurveda, siddha, unani and homoeopathy. *Cissus quadrangularis*, a perennial climber widely used in traditional medicinal systems of India has been reported to possess bone fracture healing, antibacterial, antifungal, antioxidant, anthelmintic, anti-hemorrhoidal and anti-inflammatory activities. Many active compounds have been isolated from the plants through various extraction method using different solvents and these are pharmacologically active. The isolated chemical constituents from *Cissus quadrangularis* extract which plays major role including gallic acid derivatives, steroids, iridoids, flavonoids, stilbenes and triterpenes. There are various compounds in *Cissus quadrangularis* which possess anti-inflammatory action. In the present work, five compounds: methyl gallate, myricetin, daidzein, genistein and daucosterol has been selected for isolation. These new compounds show potential medicinal values with anti-inflammatory properties with minimum side effects.

Biography

Shikha Jain has completed her MPharm from Rajiv Gandhi Proudyogiki Vishwavidyalaya and she is a Research Scholar at Bhagwant University.

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