Type of the Paper (Review)

Phytochemical and Pharmacological Investigations of *Ricinus communis* Linn.

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Abstract: Medicinal plants have always played a vital role for the healthy human life. The family Euphorbiaceae is a family of flowering plants and contains nearly about 300 genera and 7,500 species. Amongst all, the species *Ricinus communis* or castor plant has high traditional and modern medicinal values. The individual parts of the plant like the seed, seed oil, leaves and the roots showed their importance in pharmacology. Traditionally, the plant has been used for the treatment of various diseases in traditional or folk remedies throughout the world. In modern pharmacology, this plant is reported to possess antioxidant, anti-inflammatory, anti-diabetic, central analgesic, antitumor, anti-nociceptive, antiasthmatic activity and other medicinal properties. These activities of the plant are due to the presence of important phytochemical constituents like flavonoids, glycosides, alkaloids, steroids, terpenoids etc. The aim of present article is to explore the chemical constituents, their structures and medicinal importance of *Ricinus communis*.

Keywords: *Ricinus communis*; Euphorbiaceae; Phytochemical Constituents; Pharmacology

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