

Review on Vinca : *Catharanthus Roseus*

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Abstract: *Ayurveda is a conventional Indian medicine system focused on the power of herbal medicine. Catharanthus roseus is a well-recognized plant in Ayurveda. It is known for its antitumor, anti-diabetic, anti-microbial, anti-oxidant and antimutagenic effects. It is an evergreen plant that originated on the islands of Madagascar. The flowers can vary in color from pink to purple and the leaves are arranged in opposing pairs. It produces about 130 alkaloids mainly ajmalicine, vinceine, reserpine, vincristine, vinblastine and raubasine. Vincristine and vinblastine are used to treat various types of cancer such as Hodgkin's disease, breast cancer, skin cancer and lymphoblastic leukemia. It is an endangered species and needs to be preserved using techniques such as micropropagation. It has high therapeutic value that needs to be considered in more detail.*

Keywords: Alkaloids, Catharanthus roseus, vinblastine, vincristine, micropropagation.

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