

Therapeutic Prospects of *Centrathurum anthelminticum* Against Filariasis

Raghvendra Pandey

B. Tech Biotechnology

Amity Institute of Biotechnology, Amity University, Lucknow, Uttar Pradesh, India

raghvendrapandey567546@yahoo.com

Abstract: *This study explores the antifilarial potential of Centrathurum anthelminticum and its synergistic effects when combined with conventional antifilarial drugs. The plant's bioactive compounds exhibit significant antiparasitic activity, disrupting parasite survival through biochemical and molecular mechanisms. Recent research highlights the enhancement of therapeutic efficacy when Centrathurum anthelminticum is used alongside standard treatments like ivermectin and diethylcarbamazine, potentially overcoming issues related to drug resistance. However, challenges remain in standardizing herbal formulations and conducting comprehensive clinical trials to confirm efficacy in human populations. Addressing these research gaps could pave the way for integrating Centrathurum anthelminticum into mainstream antifilarial protocols, offering a novel approach to combating lymphatic filariasis.*

Keywords: *Centrathurum anthelminticum*, antifilarial efficacy, synergistic effects, lymphatic filariasis

