

Tentative Outline

Special Thematic Issue for the journal ???

Title of Thematic Issue: Plants with anti-filarial activity

Guest Editor:

- **Scope of the Thematic Issue:**

Wuchereria bancrofti, *Brugia malayi*, and *Brugia timori* cause lymphatic filariasis (LF), a disabling human infection with serious debilitating complications. The search for more effective, cost-effective, and safe anti-filarial drugs has focused on medicinal plants over the years. As a result, the goal of this review is to identify and compile medicinal plants that have been reported to have anti-filarial activity in the last two decades. Both in vivo and in vitro models were used to assess anti-filarial activity. In most plants, however, bioactive compounds responsible for these activities must be isolated and characterized. More trials are believed to be extremely important and urgent in the search for new effective drugs against LF that have minimal side effects and are easily accessible to the general public.

Keywords: Lymphatic filarial, *Bruiga malayi*, *Wuchereria bancrofti*, Microfilaricidal and Macrofilaricidal activity, Cytotoxicity

Sub-topics:

The sub-topics to be covered within the issue should be provided:

Introduction, Lymphatic filariasis, Epidemiology, Life cycle, Clinical manifestation, Diagnosis, Current treatment and challenges, Models for assessing antifilarial activity (In vitro and In vivo models for assessing antifilarial activity), Medicinal plants with antifilarial activity, Conclusion.

Tentative titles of the articles and list of contributors:

Title: The potential anti-filarial activity of some medicinal plants within the last two decades

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November 2021

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