

## **An anti-filarial composition**

- This is a novel macrofilaricidal composition comprising an extract obtained from the plant parts of *Trachyspermum ammi* (Apiaceae) having one or more monoterpene derivatives having phenolic characteristics.
- This pharmaceutical composition can be used for preventing/treating filariasis in humans.
- **Milestones achieved:**
  - **IP status:** An Indian patent has been granted.
  - **Validation:**
    - a) Monoterpene combinations with promising *in vitro* macrofilaricidal activity was identified. Preliminary screening of a combination exhibited *in vivo* macrofilaricidal activity.
    - b) The *in vivo* screening in animal model is under process.
  - **USP of technology:**
    - i) This composition inhibits 80-98% of parasite in 1 to 4 hours.
    - ii) This composition is 200 times more effective against currently known synthetic drug Diethylcarbamazine citrate (DEC).
    - iii) This composition will be useful in treatment or prevention of short term or permanent and long-term filariasis.
- Technology was developed at Vector Control Research Centre, Pondicherry.
- ICMR is seeking potential agencies for the up-scaling of technology.