

PHARMACOGNOSTIC STUDIES ON SOME
ANTIDYSENTERIC LEAFY MEDICINAL PLANTS
OF KERALA REGION

**Thesis Submitted to the University of Pune
For the Degree of Doctor of
Philosophy in Botany**

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DECLARATION

I here by declare that the work submitted here in my thesis entitled "PHARMACOGNOSTIC STUDIES ON SOME ANTIDYSENTERIC LEAFY MEDICINAL PLANTS OF KERALA REGION" has not been submitted for the award of any degree to this or any other University. All the results reported here are original and any matter incorporated from other sources has been duly acknowledged.

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- a) *Barringtonia acutangula* (L.) Gaertn.,
- b) *Biophytum sensitivum* (L.) DC.,
- c) *Careya arborea* Roxb.
- d) *Diospyros perigrena* Gaertn.) Guerke
- e) *Elephantopus scaber* L
- f) *Naregamia alata* Wight and Arn.,

B) Microscopic study of leaf and petiole

- a) *Barringtonia acutangula* (L.) Gaertn.,
- b) *Biophytum sensitivum* (L.) DC.,
- c) *Careya arborea* Roxb.
- d) *Diospyros perigrena* Gaertn.) Guerke
- e) *Elephantopus scaber* L
- f) *Naregamia alata* Wight and Arn.,

C) Quantitative microscopy of leaf drugs

1. Stomatal index
2. Stomatal number
3. Palisade ratio
4. Vein – islet number
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D) Histochemical studies

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- 1) Antibacterial activity
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