Scope of future studies
SCOPE OF FUTURE STUDIES

The present thesis entitled “A study on biochemical characterization and therapeutic potential of *Eurya japonica* Thunb. and *Ficus auriculata* Lour.” explores the medicinal properties of these two plants under study. The study included the phytochemical screening, antibacterial and antioxidant properties of the leaf extracts of *Eurya japonica* Thunb. and *Ficus auriculata* Lour. respectively. The therapeutic studies of antidiabetic properties of the above mentioned leaf extracts on albino mice were also studied during the course of research.

The study showed the potentiality of isolation of bioactive compounds from these two medicinal plants namely *Eurya japonica* Thunb. and *Ficus auriculata* Lour. A compound has been isolated from the leaf extract of *Eurya japonica* Thunb. Yet further work may be initiated on both these plants on the following parameters:

1. Isolation of bioactive molecules having antidiabetic properties from the plants.
2. Antidiabetic studies of the isolated bioactive compound on the albino mice.
3. *In-silico* studies of the pure isolated compound for its drug likeliness.

It can therefore be suggested that the work embodied in this thesis is a significant contribution to the field of Conservation of Traditional Knowledge and Phytochemistry.

These plants are on the verge of extinction and some measures should be taken to conserve them by *in-vitro* multiplication for further phytochemical exploration or from exploitation as a source of medicine for the treatment of diabetes, which is a global problem and deserve careful attention.