FUTURE PROSPECTS

In the present study, phytotoxicity of four monoterpenes was assessed on the weed species and it was observed that these possess weedicidal potential. However, still more work can be done on this topic in future on the following lines:

1. Field studies can be extended by taking a number of other weeds not taken in the present study.
2. Screening of a large number of weeds as well as crops can be done and the level of phytotoxicity of the monoterpenes towards them can be determined, with a view to find out their susceptibility / resistance.
3. The pre-emergent activity of the monoterpenes in the soil can be studied, both under laboratory as well as field conditions.
4. Effect of monoterpenes on the soil microbes can also be determined, in order to find their effect on the non-target species.
5. Collaborative work (with agro-chemists) can be undertaken where desired monoterpenes can be structurally modified with a view to reduce volatile nature and to enhance their efficacy.
6. Further studies can be undertaken to find out the mode of action of monoterpenes.