FUTURE PROSPECTS

From the observations and results obtained in the present study, it is clear that essential oil from *Eucalyptus citriodora* possess good herbicidal potential. However, this work can further be extended to explore more information on the herbicidal potential and to improve the efficiency of the oil.

- To identify components in oil during different seasons and to correlate them with their phytotoxicity.
- To determine pre-emergent effect of eucalypt oil.
- To study more biochemical and physiological processes in response to eucalypt oil treatment so as to ascertain its mode of action.
- To conduct more field trials in agricultural fields in combination with crops for its application as post-emergent herbicide.
- To study its effect on crop yield at those doses which are effective against weeds.
- To study the effect of oil on microbial population and other non-target species.
- To use different other classes of adjuvants in addition to eucalypt oil so as to increase its efficacy.
- To collaborate with agrochemists for popularizing the use of eucalypt oil and for structural modification of its pure components that can be exploited for weed management.
- To determine the cost effectiveness of oil under field conditions and to compare it with those of standard herbicides.