FUTURE PROSPECTS

The present study was conducted to explore the phytotoxic interference of *Chenopodium ambrosioides* L. with a view to using it as a bioherbicide. The study revealed some interesting results. However, study can be further elaborated on this topic with respect to the following:

1. To study the effect of rhizosphere soil on the other plants and to identify the microorganisms involved in rhizosphere-mediated interactions.

2. To identify the non-volatile allelochemicals from different parts of *Chenopodium ambrosioides*, rhizosphere soil and soils mixed with its different parts.

3. To evaluate periodic changes in phytotoxicity of leaf or root residues during decomposition.

4. To evaluate the phytotoxic effects of major components of volatile essential oil of *C. ambrosioides*.

5. To determine the pre-emergent activity of *Chenopodium* oil.

6. To find out the effect of adjuvants on the efficacy of *Chenopodium* oil.

7. To compare the activity of *Chenopodium* oil with some commercial herbicide.

8. To evaluate if non-volatile or volatile allelochemicals of *C. ambrosioides* induce oxidative stress in target plants.