CHAPTER-10

CONCLUSION
The pesticides are very toxic substances, which create health hazards to non-target organisms e.g. for fish and other aquatic organisms, livestock, wild lives and higher vertebrate including man. The pesticides also reach the deeper layers through tilting and irrigation of land and thus kill more living forms (millipeds, earthworm, centipeds etc) which might be involved in soil formation or humus formation. With their continuous use, the soil microorganisms lose their ability to nitrogen fixation. Moreover, when these chemicals contaminate to water bodies, they disrupt the aquatic ecosystem. As a whole the use of pesticides posses a great threat to mankind.

The pesticides are the integral part of agricultural production. These chemicals help in to increase the world food supply; safe guard the crop yields which are necessary to guarantee a minimum profitability to the farmer. But the chief difference in the impact of pesticides on the developing countries and more advanced countries is that, in the latter pesticides are regarded as an economic input, whereas in the developing countries prevention of food losses takes priority.

To protect the mankind from the adverse effect of pesticides, following measures are suggested as a conclusion of the present work.

1. Less persistent chemicals like organophosphorous compound and carbonates should be used which are more effective against the pests and insect than the persistent organochlorine pesticides.

2. Adequate precautions have to be taken during and immediately after application.
3. Pesticides should be used just around the target organisms and should not be spread in surrounding area to avoid harming not-target organisms.

4. Granular formulation of pesticides should be used instead of liquid ones.

5. Bio-friendly method is to be applied widely to control pest & insect in an effective way to keep the environment safe from pesticidal and insecticidal pollution.

6. General people should be made aware of the ill-effects of pesticides and NGO and Government should actively take part to create awareness among them.

7. Proper legislation may be framed to check for controlling evil and haphazard use of unnecessary pesticides. The law should be enforced very strictly.

8. Since the pesticide is very effective to control insect pest and easy to apply, so determination of safe concentration of this insecticide is very necessary at which it can be used in the field without harming the fish species.