FUTURE LINE OF WORK

Based on our present study the following future line of work has been mentioned below:

1) Toxicity in female rats need to be studied in-depth including reproductive and teratogenic effects including multi generation studies.

2) The effects in other organs such as lungs, bone and endocrine organs need to be investigated.

3) *In vitro* toxicity studies are required to be carried out to throw more light on genotoxicity potential.

4) Ameliorative and prophylactic effect of vitamins like A, C, D and E as well their combinations in modulating the toxicity induced by carbaryl + lindane will be investigated.

5) Levels of residues in various tissues need to be assessed.

6) Electron microscopic studies on various tissues of rats treated with carbaryl + lindane will be carried out.

7) Toxicity can be assessed at different dose levels in order to arrive at the No Observed Adverse Effects Level (NOAEL).
8) Since the compound is seen to affect the central nervous system, behavioral studies will be undertaken.

9) Long term studies (chronic studies) also need to be designed.

10) Dominak Lethal Test (DLT) and Carcinogenic effect need to be done.