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## **2. Objectives and Scope of Study** \_\_\_\_\_ **22-23**

- 2.1. To detect and quantify the major hydrolytic (digestive) enzymes occurring in the salivary and midgut tissue of major arthropod tea pests viz. *Buzura suppressaria* (Looper), *Eterusia magnifica* (Red slug caterpillar), *Helopeltis theivora* (Tea mosquito bug) and whole body extract of *Oligonychus coffeae* (Red spider mite).
- 2.2. To identify and quantify certain oxidoreductase enzymes of these major tea pests.
- 2.3. To quantitatively and qualitatively assess the detoxifying enzymes viz. general esterases, glutathione S-transferases and acetylcholinesterases of these major pests.
- 2.4. To find out the inhibitory activity of pesticides to general esterases and acetylcholinesterases of these pests.

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