

## *Chapter 10*

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### SCOPE FOR FURTHER WORK

- In the present study, the inhibition efficiency of the synthesized azepines for mild steel corrosion in 1M H<sub>2</sub>SO<sub>4</sub> was studied in which the concentration of the acid is kept constant. The performance of the studied benzoheteroazepines can be tested by varying the acid concentration and for different acids.
- The compounds can be applied as inhibitors in marine environment.
- In our research work, the synthesized benzodiazepines show somewhat better efficiency for controlling aluminium corrosion. Efforts can be taken in near future to enhance the efficiency of aluminium as it finds tremendous applications.
- Electrochemical studies can be done by fitting into other equivalent circuit model and with different temperature conditions.
- The synergistic effect can be studied with other additives in different aqueous media. The effect of mixture of surfactants can be investigated for inhibition of copper and aluminium corrosion.