

SYNOPSIS

The dissertation entitled "SYNTHESIS OF SOME BIOLOGICALLY ACTIVE COMPOUNDS" presented to the Faculty of Science, Shivaji University, Kolhapur in partial fulfilment of the Degree of Master of Philosophy in Chemistry.

Chapter-I is an introduction to the subject and deals with a brief review of sulfa drug.

Chapter-II gives a brief outline of the previous work done in the field of heterocyclic sulfonamide, including quinoline sulfonamide and other related heterocyclic derivatives. Discussion of the present general products for the synthesis of 2-Lepidyl-sulfonamide have been detailed in this chapter.

Chapter-III deals with materials and methods used for testing the antibacterial activity of the compounds, the synthesis of which is reported in Chapter-II. The results of this testing against Gram positive and Gram negative bacteria are discussed.