AIMS AND OBJECTIVE
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The epidemiological studies on *Salmonellosis* in and around Akola were undertaken with special interest in ecological studies for determining the perfect sources of infections as well as to plan an effective strategy of general environmental measures for prevention and control of *Salmonellosis* in the endemic areas. The studies were aimed to trace the presence of *Salmonella species* in different sources, as well as to study seasonal variations in the spread of *Salmonella*. The approach of indicator microorganisms of excretal pollution is considered as an evidence for the presence of intestinal pathogens. Hence, the aim of comparative analysis of *Salmonella specie* with indicator organisms has been done. The review studies for the aim to correlate the clinical cases of *Salmonellosis* with season, age, and sex have been considered. Considering the current increase in multiple drug resistance *Salmonella* infections, the aim to study the drug resistant pattern among the *Salmonella* isolate was designed.

Objectives :-

The present study was carried out to evaluate the following objectives :-

- Studies on isolation and identification of *Salmonella* species from epidemiologically implicated samples viz. food, milk, water and clinical specimen.
To study the year wise analysis of indoor and outdoor cases of the diseases in different hospitals and pathology laboratories.

Studies on assessment of the persistence of Salmonella species with reference to season and different locations in Akola.

Studies on determination of drug resistant pattern.

To suggest preventive and control measures of Salmonellosis.