Histological and Histochemical Methods
HISTOLOGY OF LIVER BY HEMATOXYLIN AND EOSIN.

1. Blood and adhering tissues were removed from liver tissues and were fixed in 10% formalin for 24 hours then they were passed through graded alcohol i.e. in 70% alcohol for 1 hour 30 minutes, in 90% alcohol 1 hour 45 minutes and in 100% alcohol 30 minutes.
2. Then they were kept in equal volume of xylol and absolute alcohol for 15 minutes.
3. Again in ⅔ xylol and ⅔ paraffin for 15 minutes at 60°C temperature.
4. Tissues were next kept in paraffin for ½-1 hour for the preparation of paraffin block with a paraffin of 58°C MP. 7μ paraffin sections were prepared, fixed on slides, deparaffinised, stained with Hematoxiline and Eosin stain and mounted in DPX for microscopic examination.

HISTOCHEMICAL FIXATION AND PROCESSING FOR DETECTION OF CATECHOLAMINES IN ADRENAL GLAND.

Chromaffin Reaction for Epinephrine and Norepinephrin (Hillarp and Hokfelt, 1955).
The adrenal glands were taken in a solution containing 10 volumes of 5% K₂Cr₂O₇ and 1 volume of 5% K₂CrO₄ (pH-5.6) and were kept in the solution for 24 hours at room temperature

The adrenal glands were taken in a solution containing 10% aqueous potassium iodate and were kept in the solution for 24 hours at room temperature.
Fixation of Adrenal Gland:

Fixation of adrenal gland after chromaffin reaction and Iodate reaction the following procedure was followed:

1. Tissues were fixed in 10% formalin for 24 hours then they were passed through graded alcohol i.e. in 70% alcohol for 1 hour 30 minutes, in 90% alcohol 1 hour 45 minutes and in 100% alcohol 30 minutes.
2. Then they were kept in equal volume of xylol and absolute alcohol for 15 minutes.
3. Again in ½ xylol and ½ paraffin for 15 minutes at 60°C temperature.
4. Tissues were next kept in paraffin for ½·1 hour for the preparation of paraffin block with a paraffin mixture of 58°C MP paraffin and bee's wax in the ratio of 2:1. Thick paraffin sections (30μ) were prepared, fixed on slides, deparaffinised and mounted in DPX for microscopic examination.