

# ABSTRACT

The history of drugs is intimately woven with plants from earliest times and even today plants products extensive use in both traditional and modern system of medicine, indeed many drugs including morphine, cocaine quinine are few example of pure chemicals. This study was carried out to observe the effects of various crude , partially purified fractions of the leaf of Nerium Oleander. The hematological and serological parameters result showed that fraction of leaves extract of oleander. Having crude effect on liver and kidney and on different enzymology.

The chicks were given 500,400,300mg concentration per kg body weight for 21 days. The dose injected orally .This variable concentration dose show significant decrease in the normal level of blood cells ,kidney and on liver.the kidney and liver were also isolated for histological study .The result indicated that there are some curing properties as the abnormal values of different LFTs, RFTs,and blood profile were found to be inclined towards normal values. The low value dose show some protective properties as there was found to be lesser damage in liver. Level of different enzymes and metabolites were showing not much fall or increases as were observed in liver damage. And protective treatment, extract for 21 days, was found more effective, exhibiting time dependant.