RESULT AND DISCUSSION

Comparing the lethal time of synthesized compound with standard drug, the pyrazoline derivatives AP2, AP5 (series I) and AP10, AP12 (series II) are more potential in comparison with standard drug.

In the two series of quinoline derivatives, the compounds AP14, AP15 have shown good activity in comparison with standard drug and rest compounds of quinoline derivatives.

In the indole group of compounds, compound AP26 is more potential than standard drug and rest of compound in this group.

In the carbazole derivatives maximum number of compounds showed good potency.

The complexes of all synthesized compounds have been prepared with cobalt metal. The synthesized complex compounds AP40, AP41, AP43, AP48, AP50, AP52, AP53, AP54, AP75 and AP76 have shown good activity in comparison with standard drug and rest of complexes compound in the series.

The complex compounds prepared with copper metal are named as, AP77, AP78, AP81, AP86, AP91, AP109, AP110, AP111, AP113 and AP 114. All compounds have shown good activity in comparison with overall synthesized ligands and complex compounds.

Increase the activity of synthesized compounds with increase, concentration of synthesized compounds and atomic radius of metal ions.
SUMMARY

4 and 2 percent solution of synthesized compounds were prepared in ethylene glycol. Same concentration of standard drug piperazine hydrochloride was also prepared in ethylene glycol. The test sample solutions was poured into the petridish containing earthworm. The time taken by the earthworm to become motionless was noted as paralytic time. The time of death is noted as lethal time. Experiments were performed in duplicate and average values are noted.
REFERENCES


