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### Evaluation of anti-catatonic potential of *Anogeissus latifolia* extract on haloperidol induced catalepsy in mice

Urolagin K.U\*

Asst professor, Aditya Bangalore Institute of Pharmacy Education and Research,  
Bangalore, India

**Abstract:** The present study involves the evaluation of *Anogeissus latifolia* extract on haloperidol induced catatonic responses in mice.

Haloperidol, an antipsychotic agent was used to induce the catatonic responses, which are similar to the extrapyramidal effects found in parkinsonism. Three groups (n=6) male albino mice were used in the study. Catalepsy was induced by intraperitoneally injection of haloperidol (1mg / kg). The degree of catalepsy (Catatonic scores) was measured as the time the animal maintained an imposed posture. Comparison of anti-cataleptic efficacy of *Anogeissus latifolia* extract (200 mg / kg, orally) with scopolamine (1mg / kg) was made to assess degree of catalepsy in the animal.

The significant reduction in the cataleptic scores was found in *Anogeissus latifolia* extract treated group as compared with untreated animal group. This study reveals the possible involvement of anti-oxidant potential of *Anogeissus latifolia* extract for its anti-catatonic responses.

**Key words :** *Anogeissus latifolia*, Catatonia, Haloperidol.

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