

## **Research Paper**

### **Phytopharmacological Evaluation of Hydro-Alcoholic Extract of *Anogeissus Latifolia* Bark for their Anti Hypoglycemic Activity**

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The anti-diabetic Activity of the hydroalcoholic extract of *Anogeissus latifolia* bark was studied in normal fasted rats at a dose of 150 mg and 300 mg/kg body weight. Blood glucose level was observed at 60 minutes, 120 minutes and 180 minutes of treatment with Gilbenclamide, ALBE-I and ALBE-II. The results indicate that the plant extract produces a dose dependent hypoglycemia in normal fasted rats, the ALBE-II (300 mg/kg body weight) possess more hypoglycemic activity (58.88 i.e. 33.54%) than ALBE-I. Even though both doses show significant reduction of blood glucose level after 3 hours of treatment. The present study clearly indicates a significant antidiabetic activity with the hydroalcoholic extract of *Anogeissus latifolia* bark and support the traditional usage of the plant for the control of diabetes.

**Key Words:** Diabetes, Alloxan, Hypoglycemia, *Anogeissus latifolia*.

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