

Effects of aqueous *Momordica charantia* (Egirin) on alloxan induced diabetic's rats

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There is a global concern about the rise in numbers of deaths from non communicable diseases like; diabetes and cancer which prompted the United Nations to be holding a high-level meeting at every point in time on prevention and management. In view of this, World Health Assembly adopted among its resolutions, the needs for nationals of developing countries to be using locally available traditional medicinal plants for the treatment of diseases. This research described the effect of aqueous *Momordica charantia* extract on alloxan induced diabetes rat. The experimental rats were divided into two groups (4 rats per group). Overnight fasted (24hr) rats were administered with a single dose of alloxan at 2% diluted in normal saline, 0.9%. After injection of rats with alloxan, blood glucose concentrations were determined using a Glucometer. Rats with fasting blood glucose concentration of ≥ 11 mmol/l (200mg/dl) were classified diabetic. There was a significant decrease ($p < 0.05$) in blood sugar of all rats given the extract compared with control group and there was an increase in body weight which was significant at $p < 0.01$ in comparison with the control rats which were not treated with the extract. The study showed that momordica charantia has significant effect on diabetes mellitus. This study was partly funded by TETFund.

Biography

Bello MT has completed her first degree in Microbiology, after which she worked with World Health Organization (WHO), Center for Research and Reproductive Health (CRRH) as a senior scientist; she also worked with Center for Disease Control (CDC) Africare Nigeria, for a year before joining the work force of Moshood Abiola Polytechnic as an Instructor and a research expert. She is a member of more than three recognized professional bodies. As a young, experienced and female scientist, she has more than four publications to her credit. More studies are still going on the medicinal plants in Nigeria under her supervision.

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