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## Anti-diabetic efficacy of *Momordica charantia* L fruit extracts

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Two different extracts of the fruits of *Momordica charantia* (Family: Cucurbitaceae) were tested for anti-diabetic activity by analyzing body weight and blood glucose level in Wistar albino rats and alloxan induced diabetic rats. EEMC and EAMC were shown various bioactive phytoconstituents such that, alkaloids, carbohydrate, flavonoids, fatty acids, saponins, steroids and terpenoids. Ethanol and ethyl acetate extracts had shown significant protection, lowered the blood glucose levels and increased body weight to normal condition. In alloxan induced diabetic rats the maximum reduction in blood glucose and increased body weight was observed on thirtieth day. The protections by EEMC and EAMC were significantly at  $p < 0.006$ . Both the extracts showed a significant anti-diabetic activity comparable reduction that of diabetic condition. These results indicate that the *M. charantia* root possess significant anti-diabetic activity. The presence various phytoconstituents it may be suggested that one of the chemical compound was given the action against the diabetic condition.

### Biography

Mohammed Rageeb Mohammed Usman is an Assistant Professor at Smt. SS Patil College of Pharmacy, Chopda affiliated to North Maharashtra University, India. He has 7 years of teaching experience. He published two international books, 3 books are communicated for publication and more than 52 review/research articles are in various peer reviewed national and international journals having good impact factor. He has also presented more than 120 oral and poster presentations and participated more than 160 national and international scientific occasions. He is an Editorial Board Member of more than 68 journals and Reviewer/Referee of more than 24 peer reviewed journals. He has organized 6 national conferences, 3 national seminars and 2 national health awareness camps.

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