



Antioxidant, anti-diabetic and renal protective properties of *Stevia rebaudiana*.

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Abstract:

Stevia rebaudiana has been used for the treatment of diabetes in, for example, Brazil, although a positive effect on anti-diabetic and its complications has not been unequivocally demonstrated. Streptozotocin is a potential source of oxidative stress that induces genotoxicity. The effects of stevia leaves and its extracted polyphenols on streptozotocin induced diabetic rats were studied. It can be hypothesized that supplementation of polyphenols extract from stevia to the diet causes a reduction in diabetes and its complications. Several indices were analyzed to assess the modulation of the streptozotocin induced oxidative stress, toxicity and blood glucose levels by stevia.

Biography:

Naveen S has received his Ph.D. degree in Biochemistry from University of Mysore, India in 2009. He has 15 years Research experience as Scientist in Defence Food Research Laboratory (DRDO), Ministry of Defence, Mysore, India. He worked as a Faculty of Biochemistry in Department of Biochemistry, Armed forces Medical College, Pune, India for 2 years. Currently he is working as Scientist with grade 'C' at DFRL, Mysore, India. His fields of interest are Food chemistry and Diabetes. He has authored 25 research papers in various international journals.

Recent Publications:

- Selvamurthy, W. & Singh, S.N. Nutritional requirements for human adaptation in extreme environments. *Proceedings Indian National Science Academy Part B*, 2003, 69(4), 485-506.
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