



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_30489
Title of the Manuscript:	Nutrigenomics; Impact of Different Nutritional Treatments on the Gene Expression of Leptin and Adiponectin in Adipose Tissue of Obese Rats
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	Authors examined the effect of diet rich in fiber and/or antioxidants on leptin and adiponectin gene expression in the adipose tissue of adult male rats made obese by feeding high fat and high sucrose diet. In addition, serum concentrations of selected adipokines were measured as well. It is demonstrated that these diets attenuate the effect of obesity on leptin and adiponectin expression as well as on the concentrations of TNF-alpha, IL-6, omentin and vaspin. 1) The main concern is that most effects of therapeutic diets may simply result from the decrease in body weight and adiposity rather than being specific effects of dietary ingredients. 2) Measuring the expression of 2 genes should not be referred to as nutrigenomics; any genomic approach is high-throughput measurement of multiple genes. 3) Discussion section is much too long.	We are greatly thankful for your valuable revision, and we agree with you in your revision. Kindly: 1- The observed effect of the examined diets may be related to decrease in adiposity as well as the antioxidant effect and reduced inflammatory and oxidative stress conditions by antioxidant vitamins as well as lower calorie content. 2- The study was not referred to as nutrigenomics, but it may be included under the field of nutrigenomics as a small part of the field. The title of manuscript is changed. 3- Discussion and introduction sections are rewritten, revised and shortened. Greatly thank you.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		