



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.

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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	1. In Table 2, neither leptin nor adiponectin gene expression was significantly changed by each of high fiber diet and high vitamin A&E, however, Lee index, (anti-)oxidative markers, and (anti-)inflammatory markers were significantly modified by each diet. The authors discussed only about the effect of the combination of high-fiber & high vitamin diet. 2. This study did not clarify which factor among low calorie, dietary fiber, vitamin A, and vitamin E actually caused the alterations of body weight, adipose gene expression, oxidative stress markers, and inflammatory markers. If this study focuses on nutrigenomics, differential effect of each nutrient on obesity and related risk conditions should be demonstrated. 3. Discussion (and Introduction) is too long like a review article with lots of general and detailed information on obesity, oxidative stress, inflammation, molecular mechanisms, etc, many of which are not directly related to their study. The authors should fundamentally modify the Discussion and discuss about their own data.	We are greatly thankful for your valuable revision. We agree with you in the comments, kindly; 1- Description of the results related to high fiber diet and high antioxidant vitamins diet is written in the "Results" section. Figures are added for more clarification. 2- In the discussion part there are reasons for the effect of each ingredient used in the examined diets. As the study might be included as a small part of nutrigenomics field. 3- Discussion and introduction are revised, rewritten and shortened. Greatly thank you.
<u>Minor</u> REVISION comments	none	
<u>Optional/General</u> comments	none	