



SDI Review Form 1.6

Journal Name:	<u>Journal of Advances in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	Ms_JAMPS_33851
Title of the Manuscript:	Modeling Food Energy in Bioenergetics
Type of the Article	Original research papers

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)
Compulsory REVISION comments	Introduction I suggest writing the second paragraph followed to the previous paragraph. Please, clarify the objective of the study. I consider that it is not well expressed. Please, define acronyms <i>NGOs</i>. Methodology and data sources I consider that if you develop a mathematical method the data sources is not the following: <i>biophysical equation of dietary energy, fuel factor of foods, the TEF content and the mass of consuming nutrients in bromatology</i>, because there are general knowledges in the field of nutrition. I consider that it is necessary to justify the use of π in the mathematical modeling. Results in biological mathematics and Nutritional physics Please, named fuel factor of food as <i>Atwater factor</i>.	Ok Cleared Justified Not named



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	Line 79: replace <i>bromatology</i> to <i>nutrition</i> Line 120: (equation 14 and 15): I consider that it is necessary to calculate at least 4 decimals because otherwise it would involve drag calculation error. Discussion Line 132- 134: it is not important the definition about <i>health</i>. I consider that it is necessary to discuss some limitations of the study: - Atwater specific factor for selected food versus Atwater general system (that it was used). - The importance of alcohol DIT. Please review the following article: Weststrate et al. Alcohol and its acute effects on resting metabolic rate and diet induced thermogenesis. British Journal of Nutrition (1990), 64, 413 425. Do you should consider some changes in equation model for children? The authors explain malnutrition problem in children. However, I consider that children do not drink alcohol. Conclusion Line 157: it is not appropriate to conclusion section. What is the real applicability of this equation? I consider that this equation could be useful to develop software or statistics programs to calculate net food	Replaced Not necessary for 4 decimals Ok Ok Equation for children is not clear. the equation is universal and one should put $f_a=0$ is a children or geriatric or adult are not alcohol users. Important for the study Yes , applicable while considering dieting
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	energy in the field of public health and community Nutrition. References Reference number 37: it is not appropriate because it is book. I consider that the manuscript has a lot of references. Please, review the references and use the most significative. Keywords: EYDPH, DNFE and health science are not keywords. Please, add <i>net food energy</i> as a keyword.	Is there any law to become a book not suitable for using in reference section Reviwed added
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		