



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_15919
Title of the Manuscript:	Evaluation of Total Antioxidant Capacity (TAS) by Using Fuzzy Logic
Type of the Article	Cohort Study

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>)



SDI Review Form 1.6

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. More thorough presentation of clinical evidence of how oxidative capacity affects disease burden and pathophysiology in diseases mentioned in this manuscript (including Parkinson's disease, Alzheimer's disease, ALS, Huntington's disease, multiple sclerosis). 2. Total oxidative capacity reflects multiple underlying factors. The use of 3 etiologic elements (including systolic blood pressure, diastolic blood pressure, age) seems simplistic. Please justify this rationale and review current clinical evidence for using only these 3 etiologic elements for the fuzzy logic prediction model. 3. Correlation of total oxidative capacity and co-morbid disease burden in the study patient population. What were the disease diagnoses, severity and progression in the patient cohort? Ethical issues: Was study consent obtained for patients?	1. I added some new clinical evidence how oxidative capacity affects disease 2. This is the first study on estimating TAS values using DBP, SBP and age. New elements can be added in next studies. Amount of data also limits number of elements can be added. 3. No comment for this Ethical issues: Data used in this study were taken a previously conducted study at Harran University School of Medicine by Associate Prof. Yusuf Sezen and his friends between 2008 and 2009. Prior to initiating subject recruitment, the study was approved by the local ethics committee of the university, in accordance with the ethical principles for human investigations, as outlined in the second Declaration of Helsinki.
<u>Minor</u> REVISION comments	Some typographical and grammatical errors are found throughout the manuscript.	I have corrected most of them
<u>Optional/General</u> comments		