



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2013_IJBcRR_7264
Title of the Manuscript:	Can Total Antioxidant Capacity Be A Surrogate Marker In Chronic Obstructive Pulmonary Disease ?
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:

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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	Based only on biochemical study, the data's cannot be published on a journal. The results can be validated by different methods like immune electrophoresis methods or others.	I have not seen TAC estimation by immunoelectrophoresis. Regarding our SOMANI AMBADE ceruloplasmin assay , Indian patent has been granted, and has been used by number of researcher. It has been quoted in national and international journals. Refer N Am J Med Sci. 2013 ; 5(1): 41-46, J Indian Soc Periodontol. 2013; 17(3): 333-337 Majority of kits including ELISA for ceruloplasmin are based on immunochemical property and doesn't give the idea about its ferroxidase activity. Our method, which costs just 50 paisa (0.5 rupee, reagent cost) gives more relevant enzymatic activity known as ferroxidase activity and measures it in just 30 seconds with 10µL serum.
<u>Minor</u> REVISION comments	This type of study is done by a number of researchers. Only if the authors make changes in the methodology, then the paper may be reviewed.	I fully agree with the reviewer As suggested Statistical section is now completely revised and methodology has been changed thoroughly, which has been meticulously done with help of another scientist in biostatistics who did MSc statistics with specialisation in operation research from IIT, Powai, and Mumbai. ANOVA plus, post -hoc BONFERRONI has been applied.. Relevant tables have been incorporated and some figures have been deleted. Now complete modified and revised as suggested by this reviewer, the reviewer will hopefully agree.
<u>Optional/General</u> comments	However, the total antioxidant activity was measured by S. Emin et.al, published in Trakia Journal of Sciences, Vol. 8, Suppl. 2, pp 205-213, 2010 and found same results.	Thanks for the information. However the aim of the referred study by S. Emin et.al was to adapt a method for evaluation of total antioxidant capacity of plasma by measuring of ferric reducing ability of plasma (FRAP), to explore the FRAP values in patients with COPD and in controls and factors that could affect them and to investigate the possible effect of antioxidant capacity of plasma on lung function. Based on FRAP assay the findings were published in the referred journal. Our study is totally different with TAC and other analytes estimated by globally available kits. Finally, I sincerely thank the reviewer for meticulously going through the manuscript and giving extremely valuable suggestions