Reviewer's report

Title: Bioprotective properties of seaweeds: Investigation of antimicrobial activity against food borne bacteria and evaluation of their antioxidant activity in relation to polyphenolic content

Version: 2 Date: 10 April 2008

Reviewer: Omer Irfan Kufrevioglu

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The authors evaluated the antimicrobial and antioxidant activity of methanolic extracts of seaweeds. For this purpose, seven antioxidant methods were used. Also total phenolics in seaweeds were determined by using Folin Ciocalteu phenol reagent. Furthermore, antimicrobial activity of these extract was performed using food borne pathogens. It can be accepted at this form. However, the authors should make some corrections in this study as given below.

1. (Page 5/Line 91): What is the meaning of “1 gm”? Hour was abbreviated as “h” not “hr or “hrs”. The volume of methanol used for alcohol extraction should be given. Also the names and serial numbers of used apparatus such as Evaporator and vacuum pressure must be given in related text.

2. (Page 5/Line 95): The % yield should be given in “Results and Discussion” section.

3. (Page 6/Line 124): The author claim that “The ability of the seaweeds to scavenge H2O2 was determined according to the method of Ruch et al., 1989 (25).” Firstly delete “1989” from the text. Secondly, in methodology of Ruch et al., 1989, 4 mM H2O2 was used. Then this method modified by Gülçin et al., and 40 mM H2O2 was used. Hence correct this sentence as “The ability of the seaweeds to scavenge H2O2 was determined according to the method of Ruch et al., (25) with slight modification Gülçin et al., [26].”


6. (Page 12/Line 275): The full name of FRAP had been given previously. Because, delete full name after first usage.

7. (Page 15/Line 360): Correct the surname of authors in reference of 9 “Buyukkuroglu, Kufrevioglu” as “Buyukkuroglu, Kufrevioglu”

8. In figures, drawing and resolution of all figures are very bad. It must be corrected

Level of interest: An article whose findings are important to those with closely
related research interests

**Quality of written English**: Acceptable

**Statistical review**: No, the manuscript does not need to be seen by a statistician.