



SDI Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_32964
Title of the Manuscript:	Antimicrobial and anti-inflammatory effects of some marine red algae isolated from Quseir, Red Sea, Egypt.
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:

(<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	The manuscript contents only deliver research data, without giving any explanation why both researched algae extract has potential as an antimicrobial and anti-inflammatory (I recommend that you use auxiliary literature relating to the active compounds in the methanol extract of the algae)	Done
Minor REVISION comments	<p>Title More detailed / focus title:</p> <ul style="list-style-type: none"> - Antimicrobial and Anti-inflammatory effects of two different species marine red algae isolated from Quseir, Red Sea, Egypt. <p>Abstract : No explanation of statistical data analysis</p> <p>Introduction</p> <ul style="list-style-type: none"> - References should be added to the extracts studied related to its potential as an antimicrobial and antiinflammatory - There is no explanation of the compound in 70% methanol of the extracts studied - How do extract effects influence endothelium dysfunction <p>Materials and methods</p> <ul style="list-style-type: none"> - Will there be any influence if algae sample collection is done in other than spring season? provide reviews of the effects of seasonality on the population of algae - How much is the water content in the extract for testing antimicrobial and anti-inflammatory? 	<p>Done</p> <p>Done</p> <p>Done</p> <p>In result and discussion</p> <p>Oxidative stress plays important role in endothelial dysfunction because the molecular disintegration in reactive oxygen species (ROS) metabolites which plays a main resone in the pathogenesis of it by a loss of nitric oxide (NO) bioavailability</p>



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	<p>- Give reasons for the use of 70% methanol in the extraction process. Why does it have to be 70% methanol? Is there any particular compound target to be isolated?</p> <p>Results</p> <p>- What kind of the active compounds contained in the extract that is expected to be antimicrobial?</p> <p>- Describe of compounds metabolic process in the extract associated with decreased activity of SOD, catalase, glutathione, GSH, IL-6 and TNF-alpha</p> <p>References</p> <p>The writing of the bibliography is not consistent Example :</p> <p>4. Elsayed, K.N.; Radwan, M.M.; Hassan, S.H.; Abdelhameed, M.S.; Ibraheem, I.B.; Ross, S.A. Phytochemical and biological studies on some Egyptian seaweeds. Nat. Prod.Comm. 2012, 7, 1209–1210.</p> <p>8. Hediat MH. Salama, NajatMarraiki. (2010). Antimicrobial activity and phytochemical analyses of Polygonuma-viculare L. (Polygonaceae), naturally growing n Egypt. Saudi Journal Of Biological Sciences: 17. 57- 63.</p>	<p>We did not carry out collecting algae in different seasons, may be will do it next</p> <p>The crude extract was totally dried so zero water percent</p> <p>As it could dissolve most of polar and non-polar constituents</p> <p>Done</p> <p>Done</p> <p>Need more further experiments to figure out the metabolic process</p> <p>Done</p>
Optional/General comments	This manuscript generally needs minor revision and additional literature, not only to deliver the data, but also to sharpen the results by giving reason of the data obtained.	