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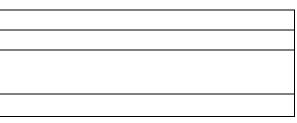
### SDI Review Form 1.6

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_50349
Title of the Manuscript:	Influence of the habitat on marine macroalgae toxicity
Type of the Article	Original Research Article

### General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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 (i and highlight that part should write his/her fe
Compulsory REVISION comments	The purpose of this study was to:a- detect the presence of toxicity in marine algae of the Mexican coastsb- relate the presence of this biological activity to the habitat where these organisms develop.These goals are clear and simple but:	
	<ul> <li><u>« Material and methods » part:</u></li> <li>This part do not make it possible to answer these two objectives: what is in the material and method part makes it possible to meet the objective (a) only.</li> <li>The study of the physicochemical characteristics of habitat is not included in this part: the study of this characteristics is essential to be able to relate the variation of toxicity of algae according to the habitat (the description of studied site is incomplete: you only talk about the location of the 10 sites).</li> <li>The part 2.3. (Extract preparation) is clear and perfect.</li> </ul>	
	<ul> <li><u>« Result » part:</u></li> <li>Paragraph 1 (line 16-18) : "A change in toxicity level was detected in <i>Caulerpa cupressoides</i>, <i>Acantophora spicifera</i>, <i>Gracilaria cervicornis</i>, <i>Hypnea musciformis</i> and <i>Laurencia obtusa</i> with respect to the date and locality of collection (Table 1)": Your study does not take into consideration the factor "time" &gt;&gt;&gt; You don't talk about sampling over time &gt;&gt;&gt; you don't present result according to time.</li> <li>A statistical analysis to support your results is recommended (a simple correlation between habitat characteristics and toxicity or biological activities).</li> </ul>	
	<ul> <li><u>« Discussion » part:</u></li> <li>The English need review (the sentences are long).</li> <li>Paragraph 3 (line 1 and 3): you discuss variation according to time while in « Results part » the variations as a function of time are not shown.</li> <li>Paragraph 6 (from line 2 to 4): you have no results that make you able to discuss the possibility of using toxic molecules for the fight against diseases (HIV, cancer etc.)</li> </ul>	
	<u>« Conclusion » part</u> The conclusion need major correction.	
	<ul> <li>Based on your results you cannot conclude that:</li> <li>presence/absence of toxicity due to the locality of collection and to the climate date.</li> <li>The large amount of toxic species can be used in pharmacological research for potential application against HIV</li> </ul>	
Minor REVISION comments		
Optional/General comments		

### PART 2:

		Author's comment (if agreed wi that part in the manuscript. It is m feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

#### **t** (if agreed with reviewer, correct the manuscript art in the manuscript. It is mandatory that authors r feedback here)

with reviewer, correct the manuscript and highlight mandatory that authors should write his/her





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# **Reviewer Details:**

Name:	Abou-Hamdan Hussein
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