

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 17408

Title: Effect of agitation speed on the morphology of *Aspergillus niger* HFD5A-1 hyphae and its pectinase production in submerged fermentation

Reviewer's code: 02498872

Reviewer's country: Japan

Science editor: Xue-Mei Gong

Date sent for review: 2015-03-07 14:11

Date reviewed: 2015-04-08 13:54

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|---|---|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | | <input type="checkbox"/> Duplicate publication | |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade E: Poor | | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Minor revision |
| | <input type="checkbox"/> Grade D: Rejected | BPG Search: | <input checked="" type="checkbox"/> Major revision |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input checked="" type="checkbox"/> No | |

COMMENTS TO AUTHORS

In this paper, Darah et al report the effect of agitation speed on the morphology of *Aspergillus niger* HFD5A-1 hyphae and its pectinase production in submerged fermentation. The findings are interesting. However, I have several concerns. 1) The culture periods for all figures should be clearly described; cultured for 10 days (page 5, line 6) or 6 days (page 9, line 16)? 2) Fig. 1: Statistical analysis should be performed, and the P values should be described. The time-courses of the pectinase production and the growth under the optimal conditions should be presented. The authors describe that the analysis was performed every 48 h (page 5, line 6). In addition, the number of the independent experiments performed should be described. 3) The authors demonstrate that the agitation speed at 150 rpm is optimal for the pectinase production as well as the growth of *Aspergillus niger* HFD5A-1. How about other types of fungi? Discussion is required. 4) Fig. 5: The pictures of the fungi cultured at 150 rpm should be also presented. In addition, some explanation is required for easy understanding of the pictures. 5) Careful proof-reading is required. For example, "could be resulted" should be "could result". (page 2, line 10)

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Title: Effect of agitation speed on the morphology of *Aspergillus niger* HFD5A-1 hyphae and its pectinase production in submerged fermentation

Reviewer's code: 02799783

Reviewer's country: Brazil

Science editor: Xue-Mei Gong

Date sent for review: 2015-03-07 14:11

Date reviewed: 2015-03-19 09:08

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input checked="" type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | | <input type="checkbox"/> Duplicate publication | |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Rejection |
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| | | <input type="checkbox"/> Duplicate publication | |
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| | | <input checked="" type="checkbox"/> No | |

COMMENTS TO AUTHORS

The paper Demonstrated que the agitation speed Affected the morphological characteristics of the fungal hyphae / mycelia of *Aspergillus niger* HFD5A-1 by altering external as well as internal Their cell structures. The finding Indicated que exposure to higher shear stress with an Increasing agitation speed Could be resulted in lower biomass yields as well as pectinase production by *Aspergillus niger* HFD5A-1. The manuscript has interesting informations and suggest the aceiye the manuscript. However, I suggest a review of English.