

Review Form 1.7

| | |
|--------------------------|--|
| Journal Name: | Journal of Advances in Biology & Biotechnology |
| Manuscript Number: | Ms_JABB_102088 |
| Title of the Manuscript: | Methods of purification and characterization of biosurfactants: an overview |
| Type of the 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:

(<https://journaljabb.com/index.php/JABB/editorial-policy>)

Review Form 1.7

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) |
|--|--|---|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>Yes, useful review.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | Yes | |
| <p>Optional/General comments</p> | <p>1) Precipitation – Won't HCL denature the surfactant?</p> <p>2) Column chromatography – use of trifluoroacetic acid denaturing the surfactant?. Pooling of active fractions recreates a mixture?</p> <p>3) Filtration- How do you identify the surfactant fraction, as opposed to other cellular contents?</p> <p>4) Color of biosurfactants – Fig.2 shows what appears to be complex mixtures, incompletely purified?</p> <p>5) Lipid content. Lipids can be fatty acids, ketones, alcohols or hydrocarbons. How can you be sure that the lipids are attached to the surfactant as opposed to other cellular debris?</p> <p>6) No structures illustrated.</p> <p>7) Would be interesting to perform MS on extracted surfactant fractions before and after purification. Do the surfactant molecules disappear?</p> | |

PART 2:

| | 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) |
|--|---|---|
| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

Reviewer Details:

| | |
|----------------------------------|---|
| Name: | Paul Alexander Comet |
| Department, University & Country | Texas Transportation Institute, TAMU, USA |