

Review Form 1.7

Journal Name:	Biotechnology Journal International
Manuscript Number:	Ms_BJI_98328
Title of the Manuscript:	Optimization of Spirulina's phycocyanin extraction yield using response surface method
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:

(<https://www.journalbjournal.com/index.php/BJI/editorial-policy>)

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 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	Besides cultivation, extraction is also a critical stage in enhancing the yield of phycocyanin production - a highly valuable compound from Spirulina biomass. In this study, the combined effect of three important variables in the ultrasonic-assisted extraction process on phycocyanin extraction yield, namely extraction temperature, sonication time, and solvent pH were investigated through a central composite design experiment. Furthermore, the response surface method was applied in order to define an optimal condition to achieve the highest extraction yield. The need of different resources is the important now because of many applications. Yes Yes Yes Yes Yes	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	Grammatical checking is required before resubmit.	
Optional/General comments	1. It is better to show the diagram of the feedstock. 2. It is suggested to show the chemical structure and fats in the yield.	

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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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Reviewer Details:

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