Journal Name:	**Journal of Biochemistry International**
Manuscript Number:	**Ms_JOBI_12581**
Title of the Manuscript:	**ACCUMULATION OF CAROTENOID AND LIPID IN MICROALGAE DUNALIELLA BARDAWIL DCCBC 15 CULTIVATED UNDER NITROGEN STARVED CONDITIONS**
Type of the Article	

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PART 1: Comments

	Reviewer's comment	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	The material presented in this manuscript is relevant. The accumulation of carotenoids and lipids by microalgae is an important issue in modern biotechnology. Microalgae, particularly *Dunaliella*, provide natural carotenoids that are well absorbed by the human body and mammals. Although *Dunaliella* is not the best source of biodiesel, studying this microalgae in this aspect is also important.The paper examines one type of stress factor, the influence of which on microalgae triggers protective mechanisms and, as a result, the production of lipid globules and carotenoids. During the review process, several questions arose: 1. Was the growth stage of the cells monitored? What was the culture stage on day 21 of cultivation? The point is that after day 12, the cells were subjected to stress during the experimental simulation, which could significantly affect the biomass growth rate and the number of viable cells. 2. The second paragraph of section 3.1 should either be moved to the Introduction or linked to the results described above. 3. The second and third paragraphs of section 3.2 also seem out of place, as the data presented there were not investigated in the study. This information should either be included in the Introduction or moved to the beginning of the section. 4. In my opinion, the Results and Discussion and Conclusion sections should include more information about the processes occurring in microalgae cells in response to nutrient deficiencies, including nitrogen.	

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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