Review Form 3

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	**Ms_AJRB_129597**
Title of the Manuscript:	**Comparing Genomic DNA Extraction Methods/ Protocols to obtain High Quality DNA from Ulva lactuca**
Type of the Article	

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.	This study is significant for the scientific community as it demonstrates the adaptability of established DNA extraction protocols, such as CTAB, for non-traditional organisms like *Ulva lactuca*. It also emphasizes the need for safer, environmentally friendly alternatives, offering insights that can guide molecular research across diverse fields, including marine biology and biotechnology.	
Is the title of the article suitable? (If not please suggest an alternative title)	**yes**	
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.	No, the abstract is not comprehensive. It lacks sufficient background, clear methodology, and broader implications for the scientific community.	
Is the manuscript scientifically, correct? Please write here.	• The manuscript provides valuable insights into DNA extraction from *Ulva lactuca* using different protocols. However, several areas require clarification and improvement. • The introduction should better contextualize the significance of *Ulva lactuca* and the importance of DNA purity for downstream applications like PCR and sequencing. • The experimental setup is unclear, particularly regarding the differences between the two trials. Provide more details to ensure reproducibility. • Include a brief explanation of the A260/280 ratio for readers unfamiliar with the metric. • Revise data presentation to improve readability.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Please add recent one's and incorporate missing references mentioned in document.	
Is the language/English quality of the article suitable for scholarly communications?	• Please improve sentence structure and grammar throughout the manuscript. For instance, avoid run-on sentences and ensure consistent use of tense and terminology.	
Optional/General comments	Revision is required **PLEASE SEE ATTACHMENT**	

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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)*	

Reviewer Details:

Name:	**Asma Tabassum**
Department, University & Country	**Sohail University, Pakistan**