

Review Form 3

Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_130971
Title of the Manuscript:	KINETICS OF Fe2+ AND VITAMIN C RETENTION IN A NOUVELLE CONTINUOUS AND SIMULTANEOUS EXTRACTION AND PASTEURIZATION SYSTEM: APPLICATION TO Justicia Secunda BEVERAGE.
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	The study offers valuable insights into optimizing processing conditions to improve nutrient retention and shelf life, addressing a critical need in the food and beverage industry. The findings could significantly impact the development of more efficient, nutritionally stable, and cost-effective plant-based beverages. This research adds to the growing body of knowledge on the processing of medicinal plant-based drinks and their potential health benefits.	Noted
Is the title of the article suitable? (If not please suggest an alternative title)	Yes it’s suitable. However, in order to increase its clarity, I suggest Kinetics of Fe2+ and Vitamin C Retention in a Novel Continuous Simultaneous Extraction and Pasteurization System: Application to <i>Justicia secunda</i> Beverage	Title revised
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.	It’s comprehensive enough.	Ok
Is the manuscript scientifically, correct? Please write here.	Yes, it is scientifically correct.	Ok
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are satisfactory	
Is the language/English quality of the article suitable for scholarly communications?	The authors need to review this and avoid personal pronouns	Noted
Optional/General comments	Below are my suggestions to further enhance the quality of the work: 1. Please, clarify the difference between this study and the study conducted by Neba et al., 2020 on the same plant which you cited in the introduction section. (Reference 1 and 2). 2. I believe the introduction would benefit from a more rigorous literature review on Justicia secunda, particularly regarding its phytochemical composition, pharmacological properties, and processing stability. Since your study focuses on optimizing processing conditions, discussing the thermal stability of J. secunda’s bioactive compounds and potential degradation kinetics would add depth. Additionally, referencing alternative stabilization techniques beyond ginger powder could provide further context. 3. Also, kindly review and address the in-text comments accordingly.	Effected revision Correction made

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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	