

### Review Form 3

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_129137
Title of the Manuscript:	<b>An Evaluation of Oncology Drug Shortage: A Means of Strengthening the Supply Chain of Active Pharmaceutical Ingredients in United States</b>
Type of the Article	

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1-reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

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### Review Form 3

#### 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.	This manuscript is highly significant for the scientific community as it provides a comprehensive analysis of the underlying factors contributing to drug shortages, particularly in the critical field of oncology. By identifying key vulnerabilities in the supply chain, such as shortages of active pharmaceutical ingredients and challenges related to Good Manufacturing Practices, it offers valuable insights for policymakers and healthcare stakeholders. The findings emphasize the need for targeted interventions to enhance drug availability, which is essential for ensuring uninterrupted patient care, especially in life-threatening conditions like cancer. Furthermore, the study highlights the importance of addressing systemic inefficiencies to improve the resilience and efficiency of the pharmaceutical supply chain.	
Is the title of the article suitable? (If not please suggest an alternative title)	<b>Suggested Revision</b> Evaluating Oncology Drug Shortages: Addressing Supply Chain Vulnerabilities in Active Pharmaceutical Ingredients in the United States	
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.	The abstract is comprehensive but can be improved by emphasizing the clinical impact of oncology drug shortages and summarizing key findings concisely. Avoid overloading with specific percentages; instead, highlight major trends (e.g., API shortages, GMP compliance) and their implications for patient care. Including recommendations or interventions for addressing systemic supply chain inefficiencies would strengthen the conclusion.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically accurate and presents a robust analysis of oncology drug shortages in the United States. The study employs appropriate methodology, including descriptive statistics and bivariate correlation analysis, to explore the factors contributing to drug shortages. The findings are well-supported by data and provide valuable insights into systemic inefficiencies within the pharmaceutical supply chain. However, minor improvements in clarity and the inclusion of actionable recommendations could enhance its overall impact.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	<b>Suggestions for Additional References:</b> <ul style="list-style-type: none"> <li>• Include references that explore interventions or solutions to drug shortages, particularly in oncology, to complement the findings.</li> <li>• Add references related to advanced manufacturing technologies (e.g., continuous manufacturing, AI-driven supply chain management) that could enhance drug availability.</li> <li>• Consider incorporating global perspectives on drug shortages for comparative insights, such as studies from Europe or Asia.</li> </ul>	
Is the language/English quality of the article suitable for scholarly communications?	The language is generally clear and suitable for scholarly communication. However, there are minor issues with sentence structure and overuse of technical jargon in certain sections, which could be refined for readability.	
<u>Optional/General</u> comments		

#### PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

#### Reviewer Details:

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