

Review Form 1.7

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_118779
Title of the Manuscript:	Digital Transformation for Risk Mitigation and Compliance in Pharma Manufacturing
Type of the Article	RESEARCH

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.journaljamps.com/index.php/JAMPS/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 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. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript is indeed important for the scientific community, particularly within the pharmaceutical manufacturing sector. It addresses the critical role of digital transformation in enhancing various aspects of the industry, such as risk management, regulatory compliance, and operational efficiency. By exploring the application of advanced technologies like artificial intelligence, machine learning, the Internet of Things, and advanced data analytics, the paper provides valuable insights into how these innovations can tackle complex challenges faced by pharmaceutical companies. The discussion on real-time monitoring, predictive maintenance, and proactive quality control highlights the potential for improved product quality and patient safety. Additionally, the examination of regulatory compliance processes and advanced manufacturing techniques underscores the practical benefits of digital technologies. The manuscript also thoughtfully considers the challenges of digital transformation and offers strategies for overcoming these issues, making it a comprehensive and valuable resource for researchers and industry professionals. 2. Yes, the title "Digital Transformation for Risk Mitigation and Compliance in Pharma Manufacturing" is suitable. It succinctly captures the core focus of the manuscript, highlighting the key areas of risk mitigation and compliance within the context of digital transformation in pharmaceutical manufacturing. The title is clear and informative, providing potential readers with a precise understanding of the article's scope and relevance. 3. Yes, the abstract of the article is comprehensive. It effectively summarizes the key points of the research paper by covering the following aspects: <ul style="list-style-type: none"> • Objective and Scope: It states the purpose of the research, which is to explore the application of digital technologies in the pharmaceutical manufacturing industry. • Technologies Discussed: It mentions the specific technologies covered, such as artificial intelligence, machine learning, the Internet of Things, and advanced data analytics. • Benefits Highlighted: It outlines the benefits of these technologies, including real-time monitoring, predictive maintenance, proactive quality control, improved product quality, and patient safety. • Risk Management: It describes how digital technologies can enhance risk management by enabling early detection and mitigation of potential risks. • Regulatory Compliance: It discusses the role of digital technologies in automating quality control and adopting electronic batch records to streamline regulatory compliance processes. • Advanced Manufacturing Techniques: It mentions the potential for digital technologies to support advanced manufacturing techniques like continuous manufacturing and process analytical technology. • Challenges and Solutions: It acknowledges the challenges of digital transformation, such as organizational resistance, data standardization, and talent acquisition, and suggests strategies for overcoming these hurdles. • Regulatory Landscape and Collaboration: It emphasizes the need for collaboration between industry stakeholders and regulators to foster innovation while ensuring safety and quality. <p>Overall, the abstract provides a clear and detailed overview of the paper's content, making it comprehensive and informative for readers.</p> <ol style="list-style-type: none"> 4. I think yes, subsections and structure of the manuscript appropriate 5. The manuscript appears to be scientifically correct based on the information provided in the 	

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	summary. It touches on several key areas where digital transformation is influencing the pharmaceutical manufacturing industry, highlighting the potential benefits, and addressing both the technological applications and the associated challenges. 6. The references sufficient and recent	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	Yes, the language and English quality of the article are suitable for scholarly communications. The text is clear, coherent, and well-organized, with appropriate use of technical terms relevant to the subject matter	
Optional/General comments	Please tidy up the writing, so that it doesn't look like messy writing, this needs to be done so that readers	

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>	

Reviewer Details:

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