

Journal Name:	<u>Journal of International Research in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	Ms_JIRMEPS_12714
Title of the Manuscript:	Revolutionizing Pharma: How Ai Is Shaping Pharmaceutical Sector
Type of the Article	

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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.		
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.		

<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>	<p>PEER REVIEW -</p> <p>Point 1-Reference no 25 is mentioned in the reference section but not written in the main body of the paper</p> <p>25. Wen M, Zhang Z, Niu S, Sha H, Yang R, Yun Y, Lu H. Deep-learning-based drug– target interaction prediction. Journal of proteome research. 2017 Apr 7;16(4):1401-9.</p> <p>Point 2 -Reference no – Format needs to be edited.</p> <p>6 <i>Assessing the Impact of AI: The Case of the Pharmaceutical Industry European Journal of Business and Management Research.</i> (n.d). https://ejbmr.org/index.php/ejbmr/article/view/2461/1623.</p> <p>Point 3- In this sentence, “Poly pharmacology” is one word.</p> <p>Original -It examines how AI is used to predict drug attributes like toxicity, bioactivity, and physicochemical aspects as well as in drug design, Poly pharmacology, chemical synthesis, and drug</p>	

	<p>repurposing.</p> <p>Corrected- It examines how AI is used to predict drug attributes like toxicity, bioactivity, and physicochemical aspects as well as in drug design, polypharmacology, chemical synthesis, and drug repurposing.</p> <p>Point 4-This sentence can be rephrased as-</p> <p>Original "This leads to faster medication development, lower costs, and more productivity ."</p> <p>Corrected This leads to faster medication development, lower the cost of production and increase productivity.</p> <p>Point 5- This sentence can be rephrased as</p> <p>Original "AI algorithms may evaluate medication characteristics, formulation components, and physiological aspects that predict behaviour at various levels."</p> <p>Corrected AI algorithms may evaluate medication characteristics, formulation components, and physiological aspects that predict behaviour at various levels from the time the medication enters the body till it is excreted.</p> <p>Point 6-Spacing needs to be added</p> <p>Original-In the field of drug design, AI greatly speeds up the drug development by improving the identification process of potential lead compounds^[11].</p> <p>Corrected- In the field of drug design, AI greatly speeds up the drug</p>	
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development by improving the identification process of potential lead **compounds** ^[11].

Point 7- Spacing needs to be added

Original -The ability of AI to evaluate a broad range of molecular configurations and forecast their possible binding affinities, streamlining the pathway from concept to clinic^[12].

Corrected-

The ability of AI to evaluate a broad range of molecular configurations and forecast their possible binding affinities, streamlining the pathway from concept to clinic ^[12].

Point 8-

Original -A medical device is a type of apparatus, tool, instrument, implant, or machine appliance that serves a specific medical purpose and can be used alone or in conjunction with software or other related systems in vitro to solve patients' medical difficulties.

Corrected- This sentence can be rephrased as

A medical device is a type of apparatus, tool, instrument, implant, or machine appliance that serves a specific medical purpose and can be used alone or in conjunction with software or other related systems in vitro and intended for medical use.

Point 9-Font needs to be corrected.

TABLE 1: Role of AI in drug discovery

Point 10-Capital letter

Original -AI facilitates the development of novel proteins, peptides,

	<p>nucleic acid biologics, and immunotherapeutics with desired characteristics</p> <p>Corrected-</p> <p>AI facilitates the development of novel proteins, peptides, nucleic acid biologics, and Immunotherapeutics with desired characteristics</p>	
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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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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