

## Review Form 1.6

Journal Name:	<a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>
Manuscript Number:	Ms_JAMPS_88534
Title of the Manuscript:	Polyethylene glycol conjugation for solubility enhancement of Cefadroxil, a poorly soluble antibiotic
Type of the Article	Research Article

### 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>)

### 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)
<b>Compulsory</b> REVISION comments	<b>Comment (1): The author(s) should add the physicochemical and biomechanical properties of Cefadroxil in the introduction part.</b> <b>Comment (2): The author(s) should draw the structure of Cefadroxil by using ChemDraw software.</b> <b>Comment (3): Figure 1 caption is missing.</b> <b>Comment (4): The author(s) mentioned the bioavailability term in the introduction section; however, they did not do any bioavailability studies. Bioavailability studies should be carried out to approve the concept.</b> <b>Comment (5): In materials, mention the country of origin of each raw material separately.</b> <b>Comment (6): Add a reference for solubility studies.</b> <b>Comment (7): Add a reference for content uniformity.</b> <b>Comment (8): Add a reference for FTIR.</b> <b>Comment (9): Further characterizations should be carried out to confirm the conjugation of PEG with Cefadroxil, such as XPRD, DSC, TEM, etc.</b> <b>Comment (10): <i>In-vitro</i> drug release and bioavailability studies should be carried as well.</b> <b>Comment (11): Post-formation characterizations should be done for the prepared conjugates.</b>	Reply for Comment (1): Added more physicochemical and biomechanical properties of Cefadroxil in the introduction part. <b>Reply for Comment (2): Cefadroxil structure is drawn using ChemDraw software and is now incorporated in the article.</b> <b>Reply for Comment 3:Figurev1 caPTION IS GIVEN PLEASE</b> <b>Reply for Comment 4:The article is our short research article limited upto solubility studies only.</b> <b>Reply for Comment 5:. country of origin of each raw material in materials section is mentioned and highlighted separately</b> <b>Reply for Comment 6: References for solubility studies are added.</b> <b>Reply for Add a reference for content uniformity</b> <b>Reply for Add a reference for FTIR.</b> <b>Reply for Comment 9: As it is a short research article, conjugation of PEG with Cefadroxil was characterized by FTIR analysis and reported.</b> <b>Reply for Comment (10): This study is focussed on enhancement of solubility only. Please check the aim.</b> <b>Reply for Comment (11): Post-formation characterizations are reported in results.</b>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

### 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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	No