

## Review Form 1.7

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_110951
Title of the Manuscript:	THE UTILIZATION OF 3 <sup>2</sup> FULL FACTORIAL DESIGN (FFD) FOR OPTIMIZATION OF LINCOMYCIN HYDROCHLORIDE (LNH) LOADED NANOGEL INVOLVING; DESIGN OF EXPERIMENTS (DoE) AN ADVANCED APPROACH
Type of the Article	Original Research Article

### 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>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  <b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)  <b>3. Is the abstract of the article comprehensive?</b>  <b>4. Are subsections and structure of the manuscript appropriate?</b>  <b>5. Do you think the manuscript is scientifically correct?</b>  <b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>  <b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b>	1. In this study 3 <sup>2</sup> FULL FACTORIAL DESIGN was used to synthesize the LNH-loaded nanogel using the Nanoprecipitation and Dispersion method, with variations in the drug-polymer ratio.  2. The Title can be summarized.  3. More important results should be included in the abstract section  4. Subsections and structure of the manuscript are appropriate  5. I think that the manuscript is scientifically correct  6. The references are sufficient and recent	1. I had used 3 <sup>2</sup> Factorial design for the more validation of research I had used statistical data analysis. These nanoprecipitation or dispersion most common technique. 2. Thanku sir for the appreciation of title, mostly all terms are the summarized version of research work. 3. As per the guidelines I had done objective, methodology, results and discussion in abstract for the proof work of research. 4. According to the work image generated, some of the images already generated from the ANOVA or other statistical analysis. 5. Thanks a lot sir for the give me appreciation of mine manuscript as well as my research work. 6. Most probably i had used recent reference for the more validation and current view in DoE.
<b>Minor</b> REVISION comments  <b>1. Is language/English quality of the article suitable for scholarly communications?</b>		
<b>Optional/General</b> comments	1. The sentence mentioned before Table 01 is repetitive and should be deleted 2. The main goals of this study should be mentioned at the end of the introduction section 3. ANOVA results should be comprehensively explained. 4. The quality of graph should be improved 5. Explain the optimum condition you find in this study 6. The effect of the independent variables on the dependent variables should be more explained	1. Yes, I had deleted the first line and before the Table. 01 it's okey. There is no repeated sentence. 2. Yes, sir i had added main goal or objective at the end of introduction of the content. 3. The ANOVA result generated from the Design of Experiment, the values generally denoted by the numerical values. It's is self-generated. 4. I had done mostly quality of images or graph from my side. 5. Actually, on the results of statistics like drug release or PDI values denoted the most accurate conclusions. That's why only two conditions explained. Kindly consider it. 6. The polymer conc. with the different ratio of drug loaded LNH. By the identifying the 3 <sup>2</sup> factorial designs used to define the independent variable have a significance effect on the dependent variable. Explain possible data in the main content.

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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?	(If yes, Kindly please write down the ethical issues here in details)	There are no ethical issues in the current research manuscript. There is no involvement of animals and human being for the in-vivo study. This study based on the statistical analysis or factorial design.