

This manuscript describes Formulation and physical characterization of a novel sustained-release ophthalmic delivery system for sparfloxacin: the effect of the biological environment

The subject of this manuscript is old and it was discussed before in many manuscripts as shown below:

References which are talking about ophthalmic delivery system for sparfloxacin:

1- Ophthalmic delivery of sparfloxacin from in situ gel formulation for treatment of experimentally induced bacterial keratitis.

Demiana I Nesseem

Drug Testing and Analysis (impact factor: 2.54). 02/2011; 3(2):106-15. DOI:10.1002/dta.170

2- Sparfloxacin-loaded PLGA nanoparticles for sustained ocular drug delivery

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****** - It is surprising that this paper has a lot of misspelled words and grammatical mistakes through the entire text, figures and tables.

For example, in the text:

Page 2, line 26; to many side→ to many side effects. **Corrected**

Page 5, line 172 → freshly prepared simulated tear fluid which was maintained at pH 7.4. → the Abbreviation (STF) must be added here and the composition of STF in page 9 line 314 must be transferred to page 5. **Corrected**

Page 5, line 182;dissolution are analyzed → dissolution were analyzed
Corrected

Page 6, line 194; medicated formulations are represented→ medicated formulations were represented
Corrected

Page 6, line 220 ; required weight in water → required weight in double distilled water
Corrected

** Page 7, line 247; measured by the spectrophotometer → measured by the spectrophotometer at $\lambda = 293$

Also, the author should mention the range of the standard curve.

Corrected

Page 7, line 248; all formulation → all formulations

Corrected

Page 7, line 253 : (TA Instruments, Newcastle, DE). The name of the country of the manufacturer of the apparatus should be added.

Corrected

** Page 8, line 301 : The author not mentioned the title of the experiment
(Dissolution test study)

There was an error so the whole paragraph was deleted

Page 8, line 304 : placed in an oscillating incubator, the author not mentioned the name of the country as well as the province of the country of the manufacturer of the apparatus .

There was an error so the whole paragraph was deleted

Page 8, line 307 : and the concentration of piroxicam determined spectrophotometrically at 355 nm What is piroxicam and what is 355 nm !!!

Why did the author mentioned piroxicam while he is working on SPARFLOXACIN???

There was an error so the whole paragraph was deleted

Page 9, line 334 : Figure (1) is showing → Figure (1) showed

Corrected

Page 9, 334 : the phase solubility diagram of drug → the phase solubility diagram of the drug
Figure (1): The author mentioned that fig (1) is the Chemical structure of sparfloxacin
So Figure (1) → corrected to Figure (3)

Corrected

Page 9, line 343 : What is Fig (17), there is no fig 17 → corrected to Figure (3)

Corrected

The author needs to carefully check a manuscript for the grammar and spell before submission. So I do think this paper is not worth being reviewed. Therefore, the manuscript is not acceptable in its present form as it needs major revisions.

**** Materials :** you have to add the name of the lab and the country of the manufacturer for all the reagent you had add.

Corrected

**** The name of the lab** and the country of the manufacturer of the apparatus should be added.

Corrected

Page 9, line 353:358 : As a result, greatly improving the dissolution rate of many drug substances, such as tolbutamide, indomethacin 10 E-mail address: g.girgis2012@yahoo.com

and ibuprofen (**Gonnissen et al., 2008**). Also complexes of paracetamol 355 and diazepam have 356 been prepared with cyclodextrin using the same method. In addition, **Esclusa-Diaz et al., (1996)** prepared ketoconazole- β -cyclodextrin multicomponent complex using the spray drying technique.

This paragraph is not important and does not add any new information , it is better to be deleted.

Deleted

Page 10, line 373 : Fig 2→ corrected to Figure (4)

Corrected

Page 11, line 399 : Fig 3→ corrected to Figure (5)

Corrected

Page 11, line 401 : What is Fig (19-a), (19-b), there is no fig 19 → corrected to Figure (5)

Corrected

Page 11, line 405 : Fig 3-c → corrected to Figure (5-c)

Corrected

Page 11, line 413 : Fig 4 → corrected to Figure (6)

Corrected

**** All the no. of the figures must be corrected in the text**

All Corrected

**** The references in the text (by alpha-beta) not cited according the references (by no.)**

All Corrected

**** Finally** this manuscript may be acceptable after major revisions.