**Title: Review on the paper entitled: Caputo fractional derivative inequalities via (*h − m*)-convexity**

Thanks to reviewers to review our manuscript. we have revised the manuscript according to the advices from reviewers.

**Reviewer B**

* The writing of the paper should be improved. For example, it is better that the word “there in” in page 2 modified as “therein”.

**Answer:** It is modified.

* Is there a connection between $n$ and $\alpha$ and $\beta$ in Theorem 2.1 and other theorems? For example, when $n=2$ and $\alpha=2.5$ and $\beta=3.5$, is the Caputo fractional derivative exist?

**Answer:**Thank you very much for this comment: In statements of theorems we mention that for Caputo fractional derivatives the inequalities hold. Therefore, existence of Caputo derivatives is necessary otherwise nothing. For $n=2$ and $\alpha=2.5$ and $\beta=3.5$, nothing is obtained because $n=[\alpha]+1$ does not followed, same for $\beta$. I hope you will get the point. Thank you again.

* In Corollary 2.2, it is better that “, then we get the …” modified as “, we get the…”.

Answer: It is modified.

* In the page 7 in the end of the first relation, please add “,”

**Answer:** “,” is added.

* In Eq. (22) please add “,” for connection.

**Answer:** “,” is added.

* In page 10 before Eq. (30), the sentence “Which implies” should be modified as “which implies” and moreover a connection “,” is needed between this sentence and before relation.

**Answer:** “Which” is replaced by “which” and “,” is added.

* In page 11 before Eq. (34) the relation is confusing. If it is requiringto add a “,” after the first relation?

**Answer:** Yes, it is required “,” after first relation.

* Where these obtained inequalities can be used? It is better that the authors give some remarks about the applications of the obtained results.

**Answer:**The aim of this work is to give Caputo fractional derivative inequalities for a generalized convexity which unify simultaneously results for several types of convex functions. These are theoretical results which are also applied theoretically to obtain some particular cases. Of course, theory is required for the support to solutions of practical and physical problems. Fractional inequalities for example Layponov type provide the constraints for the existence and uniqueness of fractional differential equations/systems.

**Reviewer A**

* The paper contains some interesting results;however it could be useful to
clarify in section 2 the meaning of the relations obtained, maybe with a
slight introduction in the section2 itself.

**Answer:**It has been explained well in the first paragraph of section 2.

* In the conclusions it is necessary to add more comments to describe the
results obtained and the further possible investigations. Moreover, in the
references could be add the following articles:
[1] ASSANTE D, CESARANO C, FORNARO C, VAZQUEZ L (2015). Higher Order and
Fractional Diffusive Equations. JOURNAL OF ENGINEERING SCIENCE AND
TECHNOLOGY REVIEW, vol. 8, p. 202-204, ISSN: 1791-2377

[2] Cesarano C (2019). Generalized special functions in the description of
fractional diffusive equations. COMMUNICATIONS IN APPLIED AND INDUSTRIAL
MATHEMATICS, vol. 10 , p. 31 -40, ISSN: 2038-0909

**Answer:**Concluding remark section is revised and suggested references are included.

Thanks.

Sincerely

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SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=16069128200>

(1) <http://www.mijst.mju.ac.th/board.htm> <http://www.springerplus.com/about/edboard> <http://thaijmath.in.cmu.ac.th/index.php/thaijmath/about/editorialTeam>
(2) <http://www.jangjeonopen.or.kr/PJMS/editorial_team.php>  <http://www.imvibl.org/bulletin.htm>

(3) Editor of ESCI J.: IJAA: <http://etamaths.com/index.php/ijaa/pages/view/editors>

(4) Associated Editor of ESCI J: TWMS JAEM: <http://jaem.isikun.edu.tr/web/>

(5) <http://jlta.iauctb.ac.ir/journal/editorial.board>  <http://jca.ele-math.com/editorial>   <http://www.academicjournals.org/journal/AJMCSR/editors>  <http://ijpam.uniud.it/journal/editorial_board.htm> <http://communications.science.ankara.edu.tr/index.php?series=A1&link=400>

(6) <http://periodicos.uem.br/ojs/index.php/ActaSciTechnol/about/editorialTeam>