Dear Dr. Perdih,

Thank you for your comments on our paper. The revisions are marked as red in the text, and answered in this letter.

Reviewer E:

Title: In my opinion it’s not appropriate to write biological activity considering the fact that you studied only the urease inhibitory activity for your complexes.

Response:

Title: The title has been corrected to show urease inhibitory activity.

Key words: it’s better to write copper and zinc complexes.

Response:

Keywords have been corrected.

Introduction:

-please correct the sentence: “The metal complexes with Schiff base ligands are facile preparation”

Response:

The sentence has been removed.

-line 37: which are the esential nutrients? Please add.

Response: The words " deprives plants from essential nutrients and" are omitted in the sentence.

-lines 38-39, you wrote: “In human, urease may produce several health concerns including hepatic coma, pyelonephritis, gastric and peptic ulcer”. In order to justify the importance of the study, please detail these aspects at results and discussions, point 3.4.

You wrote also that “various kind of urease inhibitors are reported”. Give please examples and underline if they are applicable nowadays. Which is the concrete applicability?

Response:

This has been detailed at results and discussions, point 3.4.

Some examples are given, and the reason why not applicable is provided.

-lines 45-46: when you wrote “biological activities” you mean only an urease inhibitory activity or also other types of biological activity?

Response: Corrected as, urease inhibitory activity.

-At the end of the introduction it is not clear which is the aim of the current study. The expression “as a further work” is not appropriate.

Please reformulate.

Response: The aim of the study is detailed. "In order to construct new structures of dicyanamide bridged complexes, and explore new urease inhibitors, ..."

Experimental:

-Point 2.2. Add please about the synthesis of the Schiff base HL and rename the subchapter 2.2.

Response:

The synthesis of HL is given. The subchapter 2.2 has been renamed.

-Point 2.4. Urease inhibitory activity assay:

line 108: please add which are the “various concentrations” of the

tested compound. How much DMSO was used to solubilize the complexes and what

other solvent was used.

Response: The values for various concentrations are provided. The amount of DMSO and water used to solubilize the compounds are given.

-line 109: what amount of acetohydroxamic acid was used?

Response: The concentrations of acetohydroxamic acid are the same as the tested complexes.

Results and discussion:

-Point 3.4.: Replace please: “Biological study” with: Urease inhibitory activity assay.

Response:

Corrected to urease inhibitory activity assay.

-At point 2.4 you didn’t write about the use of copper and zinc

perchlorate. Please add.

Response:

The copper and zinc perchlorate were added at 2.4.

-At point 3.4 you didn’t compare the results obtained for the complexes with those for the copper and zinc perchlorate.

Response:

The results have been compared with the copper and zinc perchlorate in 3.4.

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