

### **Editor's Comment:**

#### **Strong points of the paper:**

1. The aim of this paper is very good, well done!
2. The abstract is very well made and designed!
3. Introduction part is very well designed! Three or four phrases must be added in Introduction part, about the pharmacological mechanism of action!

#### **Weak points of the paper:**

1. The objectives must be clearly stated and described into the manuscript text! The objectives are the tools or experimental methods applied, absolutely necessary to achieve the proposed main goal.
2. Pay attention to the distances between the rows and to their rearrangement. The spacing between the rows is not equal, especially in the Introduction part!
3. The "Materials and Methods" Section is not at all completed! After two paragraphs referring to "Preparation of **2-amino-4-thiazoleacetic acid hydrazide) (ATAH)** " and ""Preparation of **2-amino-4-thiazoleacetic acid hydrazide) (ATAH) and of "Preparation of Salicylaldehyde-2-amino-4-thiazoleacetic acid hydrazone (SAFTAH)** must follow the subsections that accurately describe the detailed physical-chemical structural characterization of the synthesized compounds. It is mandatory that **Physical-Chemical structural characterization** must be conducted by ***H-NMR characterization, FTIR characterization, Mass Spectrometry*** applied for the synthesized compounds and ***X-Ray Diffraction Method***. The description of all these experimental methods their, working procedures and used devices must be found at the end of the "Materials and Methods" section!
4. "Results and Discussions" part and "Conclusions" are not at all completed! Both of them are the major weaknesses of this paper.!!

All applied experimental methods, described in the "Materials and Methods" section, must be represented by the experimental results obtained following their application, described in "Results and Discussions" part.

It is mandatory that the authors insert into the manuscript text (in "Results and Discussion" part) the following images and graphs: H-RMN Spectra, FTIR – Spectra, Mass Spectra and X-Ray Diffraction Spectra of the synthesized compounds! Two tables, very superficial represented, are not at all enough!!

All the images and graphs inserted must be detailed and properly discussed in "Results and Discussion" part! Not a single figure is properly discussed and interpreted in the text (Figures from 2- to 9)!!

"Discussion" section should be much more improved and developed! It is too short and it does not capture the essential aspects of the experimental part, of the experiments carried out and which need to be greatly improved!!

The authors must capture and properly comment in the “Discussions” section the most important experimental aspects, defining for the experiment itself. ***The authors should add two or more additional original experiments in the main paper*** (FTIR – Spectra, Mass Spectra and X-Ray Diffraction Spectra of the obtained compounds) ! ***They must describe in more details the own experimental stages conducted and they should conduct also a statistical study (like the ANOVA Tests) to highlight the main final results!*** The authors must insert Raw data tables containing statistical values and also some suggestive graphs based on these values! Statistical analysis has a very important role: highlighting and validating the main experimental obtained results!

4. The pictures and images inserted must properly describe the **own experimental findings!** The authors should refer to these pictures in the text, in “Discussions” section.

5. The Conclusions of this study are extremely short! Conclusions must be totally reconsidered! Conclusions must suggest the main final obtained results by the authors and the most important experimental original findings!! In Conclusions, the authors must clearly state if they targeted and achieved their own aim and objectives proposed at the beginning of the paper! My final decision is” **Requires Major Revision” I encourage the authors to** make all these corrections! My grade for this article is a **5.70** on a scale from **1 to 10**. Thank you very much!!

I encourage the authors to correct all the observations above!

**Editor’s Details:**

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