

Dear editor,

Let me thank you for giving me the opportunity to review the manuscript with the title "Synthesis and characterization of new Azo Dyes derived from Acyclovir and Sulfamethoxazol and Study their Biological Activity". Use the journal template and accordingly edit the article carefully.

1. The paper's English language is adequate, although it may be improved. Before proceeding, I highly advise making significant adjustments to the English language in several sections of the work.
2. The Abstract should be one paragraph.
3. Keywords should be alphabetically arranged, and their initials should be capitalized.
4. One paragraph should discuss one idea. Please identify a new paragraph by initialling the section with a space of 0.5 cm.
5. The introduction's final paragraph should include the study's purpose and a description of what will be done.
6. Section 2 "Materials and Methods" is badly organized reader will be confused whenever they need to repeat your work. "Various glassware", what glassware?. Please check model no "Electro thermal Melting Point Apparatus device."
7. Regarding subsections 2.3 and 2.4 horrible and need to be rewritten in any low standard paper (please refer to any article in any Elsevier journal to see the preferable way to write the experimental part). There is no need to provide steps in the article as you write a student's experiment.
8. Please consider the scheme as a figure and reduce the number of figures by merging two to four figures with one caption.
9. The number of tables is six. The manuscript usually contains 2-4 tables; what is necessary should be in the appendix as supplementary.
10. There is no need to discuss the instruments utilised while writing the conclusion; instead, you should consider the newly found findings. Check your sentence, "The resulting fluorescence was identified by FT-IR, UV-Vis, and NMR spectroscopy."
11. Please improve the English of these sentences: "steel, with inner diameter (6mm) and outer (8mm), containing Gram-positive (Staphylococcus Aureus) and Gram-negative (Pseudomonas aeruginosa) bacteria and incubated for 24 hours at a cellular medium temperature of 36.5-37oC." , "The FT-IR spectrum of the resulting dye was recorded in Figure (3),",
12. Use short sentences to make your ideas understandable and clear. For instance, the entire subsection 3.1.1 is written in a single sentence that is 96 words long.
13. In conclusion, "The biological activity of the dye was studied, and the results of the study showed that it possesses effectiveness and is able to stop the growth of Gram-negative bacteria and Gram-positive bacteria according to the concentrations used." Could you identify the number of gram-positive and gram-negative bacteria?
14. Figures 1, 5, 7, and 9 are blurry photographs. Please provide a photo of high quality.
15. You will notice typing errors in the paper, so please read it again. You may enlist the aid of any of your colleagues to read the paper for you.
16. The functional group and their specific absorption wavenumber (cm^{-1}) are well reported in the literature. There are no references in Table 1 that list the papers that confirm the wave number that goes with a certain group.
17. One paragraph and one sentence (120 words) construct subsection 3.2. (Antibacterial test). Please use short sentences to express your ideas.
18. Poor explanation (in fact, none) was provided to explain why the dye inhibits bacterial growth. Please describe it using chemical and biological terms.
19. The initial letter of each title in the table column should start with a capital letter.
20. Only the first letter should be capitalized for any title or/and subtitle.
21. Out of 16 references, only four references are recent (2018-2022), and NO single reference is published in 2022. a 50% of the references should be updated; they should be published in 2018,..., up to 2022.

Chief Editor

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