

Review of: "[Review Article] Green Strategies for the Synthesis of Quinolone Derivatives"

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Potential competing interests: No potential competing interests to declare.

The manuscript entitled "Green Strategies for the Synthesis of Quinolone Derivatives," written by the author Md Sohel Ahmed et al., presented an in-depth theoretical study that integrates the experimental synthesis of Quinolone Derivatives and the biological activity evaluation of some Quinolone derivative compounds.

However, some critical issues remain to be solved, and a thorough revision is needed:

- 1- The authors' work is based on theory. We always notice the authors mention, on one side, the word synthesis, but we only see the final molecule, and on the other hand, if they carried out the synthesis, it is necessary to mention the procedure and the analyses which were used to prove these structures, such as NMR, RX...
- 2- The authors gave the biological activities. The results would be much more valuable if a relationship were established between the structure and their potential applications.
- 3- The experimental tests carried out and the related experimental procedures should be detailed, also to better follow the discussion of the experimental results.
- 4- Many properties are investigated. I suggest preliminarily describing the importance of such wide screening and the expected results deriving from such analyses.

The results related to the biological activities should be better detailed and presented, as they have a main role in the paper.

- 5- The manuscript needs thorough revision to improve the text quality and readability of the work.