|  |  |
| --- | --- |
|  | |
| Book Name: | [**Pharmaceutical Science: New Insights and Developments**](https://www.bookpi.org/bookstore/product/pharmaceutical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4810** |
| Title of the Manuscript: | **A REVIEW OF RECENT DEVELOPMENTS IN THE BIOLOGICAL ACTIVITY OF 1,3,4 THIADIAZOLES** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**RASĀYAN Journal of Chemistry, 17(3): 809-819, 2024.**

**Available:** [**http://doi.org/10.31788/RJC.2024.1738857**](http://doi.org/10.31788/RJC.2024.1738857)

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | For the scientific community, especially in the domains of medicinal chemistry and drug discovery, the publication on the latest advancements in the biological activity of 1,3,4-thiadiazoles is extremely important.  This study offers important insights into the most recent developments in 1,3,4-thiadiazole derivatives, which have a wide range of pharmacological potential, including antibacterial, anticancer, anti-inflammatory, and neuroprotective qualities.  The manuscript helps researchers create new therapeutic compounds with enhanced efficacy and selectivity by providing an overview of recent research findings, structure-activity connections, and mechanistic studies. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes is it or can be changed with  New Developments in 1,3,4-Thiadiazoles' Biological Potential: New Perspectives Examining 1,3,4-Thiadiazoles' Bioactivity: Present Patterns and Upcoming Opportunities |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | Yes |  |
| **Is the manuscript scientifically, correct? Please write here.** | As long as it contains a thorough analysis of recent research, pertinent experimental data (if any), and a coherent discussion of the pharmacological potential of 1,3,4-thiadiazoles, the manuscript "Recent Developments in the Biological Activity of 1,3,4-Thiadiazoles" seems to be of a sound scientific caliber. The broad-spectrum biological actions of this heterocyclic scaffold, such as its antibacterial, anticancer, anti-inflammatory, and antiviral qualities, are well documented. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Citations must be made in accordance with the journal's rules. It is crucial to maintain consistency in citation style so that every reference adheres to the same format. Follow the formatting guidelines exactly if the publication specifies them (for example, Vancouver, APA, or MLA). |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript's English needs to be improved. There are a few grammar and punctuation mistakes that need to be fixed. Readability will be improved by making sure that sentences are coherent, clear, and well-structured. |  |
| Optional/General comments |  |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Anurag Sharma, Invertis University, India**