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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5652** |
| Title of the Manuscript:  | **Quinolones Chemistry and its Therapeutic Activities** |
| 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.**

**Research Journal of Pharmacy and Technology, 3(4): 1023-1028, 2010.**

**Available:** [**https://rjptonline.org/AbstractView.aspx?PID=2010-3-4-112**](https://rjptonline.org/AbstractView.aspx?PID=2010-3-4-112)

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| 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.** | “Quinolones Chemistry and its Therapeutic Activities” stands out in the literature for its description of the chemical structure, classification, and the active therapeutic roles of quinolones. Furthermore, his work on the recent advances of pharmacology and clinical use of drugs with respect to their mechanisms of action and the spectrum of activity already available enhances understanding of their relevance. It also provides information on the new patterns of resistance emerging as well as the tailoring of new derivatives of quinolone, thus, it is useful for scholars, doctors, and pharmaceutical chemists. In general, the chapter is useful for the development of non-biological weapons of high specificity for academic and applied research. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title *"Quinolones Chemistry and its Therapeutic Activities"* is generally clear and conveys the central theme of the chapter. However, it can be slightly refined to more academic phrasing, suitable for a book chapter.**"Chemical Aspects and Therapeutic Potential of Quinolones"** |  |
| 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, the abstract of the article is **generally comprehensive**, but there are areas where clarity, structure, and depth can be improved to enhance readability and impact. Here are detailed suggestions:1. Add a sentence explaining the significance of these developments in the context of modern medicine (e.g., antibiotic resistance or cancer therapeutics).2. Consider briefly mentioning the structure-activity relationship (SAR) if the pharmacophore is discussed in detail in the chapter.3. Introduce the aim or objective of the chapter more explicitly (e.g., “This chapter aims to…”).4. Rephrase this sentence for clarity:“Recently some of the newer quinolones such as sparfloxacin, enoxacin, moxifloxacin have been reported concerning the cytotoxic effects...”Suggested: “Recent studies have reported cytotoxic effects of newer quinolones—such as sparfloxacin, enoxacin, and moxifloxacin—against various cancer cell types…”5. Clarify this portion:“This article reviews the history, generation, mechanism of action...”Better as: “This chapter reviews the historical development, classification, mechanisms of action...” |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript seems scientifically accurate in its fundamental principles and coverage of therapeutic potential, provided that proper referencing and sorting out of experimental vs. clinical data is accomplished in the completed chapter. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references cover the historical background, mechanisms of action, and some therapeutic applications of quinolones. However, most of the references are rather old, with the majority between the 1980s and early 2000s. Although these are helpful for background information. A scientific paper—particularly a book chapter geared towards a modern readership must also include recent studies from the past 5–10 years, particularly when describing therapeutic uses such as anticancer, anti-inflammatory, and antitubercular activity. Some suggestions include:1. Add recent (post-2010) systematic reviews, meta-analyses, or recent clinical/preclinical findings.
2. Add references to modern synthetic modifications, SAR-based computational studies, or novel derivatives of quinolones.
3. Recent developments in fluoroquinolones’ safety (e.g., black box warnings for tendinopathy, CNS effects) are not mentioned.
4. Add citations on COVID-19-era research, despite renewed interest in repurposing broad-spectrum agents.
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| Is the language/English quality of the article suitable for scholarly communications? | The language and english quality of the article is understandable but not yet suitable for scholarly publication without revision. While the content is valuable, there are noticeable issues with grammar, sentence structure, and clarity that can affect readability and professional tone. The following suggestions can be included:1. Revise for subject-verb agreement, article use (a, an, the), and tense consistency.
2. Use precise and concise academic phrasing.
3. Consider having the manuscript professionally proofread or using a grammar-checking tool for clarity improvements.
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| Optional/General comments | The subject is opportune and worthwhile particularly with the changing therapeutic roles of quinolones aside from their classical antibacterial application. Delving further on future uses like anticancer and immunomodulation introduces novelty. |  |

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| **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:**

**Vinod Gahlot, HIMT College of Pharmacy, HIMT College of Pharmacy, India**