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| Book Name: | **Advancements in Science and Technology: Paving the Way to a Sustainable Future** |
| Manuscript Number: | **Ms\_BPR\_4465.1** |
| Title of the Manuscript: | **Synthesis and Biological Applications of Ferrocenyl Amino acids, Sugar and Nucleic acids Derivatives** |
| Type of the Article | **BOOK CHAPTER** |

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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.** | * **Ferrocene synthetic versality of unique chemical properties, stability in aqueous/aerobic environments was amazing and highlights the broad industrial and medicinal applications of aminoacids ferrocynyl reports.** * **The synthesis methods is highly effective due to figures and schemes. These provide visual clarity and make complex synthetic routes easier to understand.** * **This chapter, up-to-date research, showcasing the latest methods and biological activities, which adds significant value to the field.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, The paving way of scientific Advancement is suitable for this ferrocenyl applications especially for medicinal field.** |  |
| 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. | **The book chater is enough for us. If it is research article need to be fit in the found value.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Obviously, Good. The formation of the content was structurally organised.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes it is sufficient, but lacking the recent refences on these perspectives. Please must include more recent reviews after 2018-2024.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes, It need some better clarity of long sentences**. |  |
| Optional/General comments | **Recommendation: I would accept the work with minor revision. Additionally incorporating a discussion of the challenges and limitations of the technology could enhance the depth of this chapter in future needs.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with 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 details)* |  |

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| **Reviewer Details:** | |
| Name: | **N. Prabakaran** |
| Department, University & Country | **India** |