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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 is a molecule of great importance in chemistry and modifications done on ferrocene is a relevant topic to discuss. The current manuscript describes methods to increase the biocompatibility of ferrocene by linking it to aminoacids and carbohydrates. Recent advances in such modifications on ferrocene is discussed in this chapter. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes |  |
| 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 authors may also specify the period of review in the abstract instead of telling “recent”. Also the reference section doesn’t show many recent papers. |  |
| **Is the manuscript scientifically, correct? Please write here.** | 1. The schemes have to be improved including the complete reaction conditions with percentage yields. 2. Scheme 2, “The coupled products were found to show antimalarial activity”; the statement warrants some more description, do all conjugates exhibit antimalarial property? 3. Scheme 6, BuLi is represented wrongly. All schemes are imcomplete. 4. Years should be mentioned with name of author for clarity 5. All papers should be reviewed in more depth and clarity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references are not very recent ones. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Ferrocene carbohydrate should be 2 words……in many places it is given as 1 word |  |
| Optional/General comments | Typos such as “mannopyaranoside” (page 3) etc are present. The authors should read the article carefully |  |

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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: | **Ani Deepthi** |
| Department, University & Country | **India** |