|  |
| --- |
|  |
| Book Name: | **Fundamentals of Timber Construction: Materials, Techniques, and Sustainability** |
| Manuscript Number: | **Ms\_BPR\_4426** |
| Title of the Manuscript:  | **Fundamentals of Timber Construction: Materials, Techniques, and Sustainability** |
| Type of the Article | **COMPLETE BOOK** |

|  |
| --- |
| 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.** | This manuscript may be a valuable resource for the scientific community, offering a good exploration of timber construction, from its historical development to modern sustainability practices. As eco-friendly materials gain importance, it provides architects and engineers with essential insights into timber’s mechanical properties, grading, and design. Additionally, it highlights timber’s role in carbon sequestration and reducing environmental impact. By merging traditional techniques with innovations like Cross-Laminated Timber (CLT), this work may equip professionals with both theoretical and practical knowledge for sustainable construction. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The current title, "Fundamentals of Timber Construction: Materials, Techniques, and Sustainability," is clear and informative, effectively conveying the main themes of the manuscript. |  |
| 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 abstract of the manuscript is well-structured and provides a solid overview of the work. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The content appears to be scientifically accurate, well-structured, and supported by relevant concepts in timber construction, material science, and sustainability. However, it doesn’t contain much references (specifically, 9), which is a huge scientific problem, but it may be normal, since it’s a book.  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The manuscript includes references, but they may not be sufficient or entirely recent to support the latest advancements in timber construction, sustainability, and engineered wood technologies. Since the book is very big, it’s hard to suggest specific references, but all sections should have at least one reference.  |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality of the manuscript are generally suitable for scholarly communication. |  |
| Optional/General comments | The work is well-structured, scientifically sound, and highly relevant to the field of timber construction and sustainability. It provides a comprehensive exploration of materials, techniques, and environmental considerations, making it a valuable resource. However, minor improvements are needed in citation consistency, clarity in transitions, and ensuring a fully balanced discussion of timber’s advantages and limitations.  |  |

|  |
| --- |
| **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)* |  |

|  |
| --- |
| **Reviewer Details:** |
| Name: | **Matheus Rudo Antoniassi Pereira de Oliveira** |
| Department, University & Country | **University of Brasilia, Brazil** |