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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4307** |
| Title of the Manuscript: | **Improving Indoor Air Quality: Using Polymate-777A as a Formaldehyde Scavenger to Decrease Formaldehyde Emission in Plywood Panels** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment | 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 minimumof3-4 sentences may be required for this part.** | **Indoor air quality is a current issue for both the scientific world and the general public.The health of living systems directly depends on the quality of the air we breathe. The air in enclosed spaces is more polluted the lower the ventilation rate.The increased interest of researchers in addressing the issue of indoor air quality is evidenced by the very large number of scientific articles published in recent years (over 2,400,000 results were identified in Google Academic alone).I identified a lack of approach in the author's text regarding of the indoor air quality and I strongly recomand to the author to cover this gap.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title of article is suitable and in accordance with the author’s research and also the interest of author in the field of research.** |  |
| 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 article is comprehensive and has "a red line" who define the sense of research linked with the research results. I have not suggestions to do related to this issue.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Specific observations:**  **1) The paper does not contain a distinct introductory part in which to present the importance of the research topic, a brief presentation of other existing solutions for solving the problem addressed: reducing pollution due to volatile organic compounds and also, the motivation for studying only formaldehyde among all volatile organic compounds;**  **2) The review of the specialized literature should be presented separately from the introductory part;**  **3)The information presented in the tables and figures contained in the article does not specify the source and application used for data processing (see figure 3, tables 3, 4, 5 and 6), for example: Source: results obtained by the author using the application..... ;**  **4) The number of samples/tests studied is not mentioned, which would indicate the relevance of the tests performed in relation to the results obtained;**  **5) The author did not mention if there are any proposals for improving the method, materials, etc. and/or future research directions in the field;**  **6) The author used a series of equipment for his research. It would be elegant to express his aknoledgement at the end of the article to those who created the conditions for his study.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **I suggest to complete the references list with international legislations/regulations related to indoor air quality and, specifically, volatile organic compounds (VOCs) as indoor pollution agents. In my advice this approach indicate the major concerning of international authorities related of indoor pollution agents as volatile organic compounds (VOCs) and highlight the importance of author's research.**  **Few examples of this kind of regulations are:**  **• Convention on Persistent Organic Pollutants, adopted in Stockholm on 22 May 2001**  **• Convention on Persistent Organic Pollutants\_amendment\_2011**  **• Convention on Persistent Organic Pollutants\_amendment\_2013**  **Or European Directive:**  **- Directive 1999/13/EC on the reduction of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.**  **- Directive 2008/112/EC amending Council Directives 76/768/EEC, 88/378/EEC, 1999/13/EC and Directives 2000/53/EC, 2002/96/EC and 2004/42/EC of the European Parliament and of the Council, in order to adapt them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures**  **- Directive 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The language/English quality of the article is suitable for scholarly communications.** |  |
| Optional/Generalcomments | Please check the quotation marks from the text. For example, page 317 "Low cost...after this sentence there are missing the closed quotation mark. The reader can't understand if the author cite another person or expose his own opinion. |  |

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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: | **Nicolae Florina-Valentina** |
| Department, University & Country | **Romania** |