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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5805** |
| Title of the Manuscript: | **A Deep Learning System for Detecting Severe Lung Diseases: Tuberculosis, pneumonia, and COVID-19 Through Digital Chest X-rays** |
| 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.** | **-The topic is very important**  **-The methods to treat the three deseases are very suitable and author must make a table to explain the advantage this method.**  **-Notion of the prediction must be used more on this article because it is important to demonstrate that prediction these deseases is the out put for all methods presented on this article.**  **-Author must think to make a study case to explain performance of the tretement of the deseases used on this work.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Suitable** |  |
| 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. | **Author can explain more the model that can used to explain ppredection of the three deseases and make diffrences between all the methods.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **This article is suitable and there is an equilibrium beteween all the part** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **References are recent and very intrested references** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Good |  |
| Optional/General comments | Author can make a table to resume all the model presented on this article and its implications on the three deseases cited : this is can facilated the comprehension of the study. |  |

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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:**

**Slim Chtioui, Tunisia**