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| Book Name: | **Design and simulation of GHz antennas** |
| Manuscript Number: | **Ms\_BPR\_** **3848.4** |
| Title of the Manuscript:  | **To find Radar Cross section using AI and ML** |
| Type of the Article | **Book chapter** |

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| PART 1: Review Comments |
| Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **The improvement of the sentences is not very strong. and the title needs to be revised, like (to find) replace in (to estimate). The language needs to be checked. The template needs also to be followed (words, spaces, commas, etc.).** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **NOT.The suggestion is:****‘To estimate the Radar Cross Section (RCS) using Artificial Intelligence (AI) and Machine Learning (ML)’** |  |
| 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. | **It is quite good but needs some technical consistency: Used consistent terminology for "PEC," "plane wave," and "TE polarization.''.Conciseness: Removed redundant phrases like "The setup here discuss" for a more streamlined presentation.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **No, the structure needs to be revised, and numbering is not correct.** |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.** | **This manuscript demonstrates scientific robustness by systematically analyzing the radar cross section (RCS) of objects using both theoretical and simulation-based approaches. The use of CST Studio Suite for simulating RCS, along with MATLAB for validating results against theoretical models, ensures accuracy and reliability of the findings. By employing well-defined parameters such as azimuth, elevation, frequency, and TE-polarized waves, the study adheres to established principles in electromagnetic theory. Furthermore, the comparative analysis between simulation and theoretical results highlights the manuscript's technical rigor, reinforcing its credibility and soundness in advancing the understanding of RCS behavior.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Need more references.** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | The whole work needs to be checked. |  |
| Optional/General comments |  |  |

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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: | **Mohammed A. Aljubouri** |
| Department, University & Country | **USM, Malysia** |