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| Book Name: | **Plasmas Afterglows with N2 for Surface Treatments synthesis 2024** |
| Manuscript Number: | **Ms\_BPR\_3686.26** |
| Title of the Manuscript:  | **The Iron Nitriding in N2 and N2-H2 Afterglows** |
| Type of the Article | **Complete 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.** | **Good technology in the field of alloy hardening** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **No** |  |
| 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. |  **Add a comprehensive definition about this technique and the phases resulting from it in short** |  |
| **Are subsections and structure of the manuscript appropriate?** | **yes** |  |
| **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.** | **Yes, can consider** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **yes** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | No |  |
| Optional/General comments | 1. Rearranging the search language, since it is cut off in some places, thus losing the desired meaning of it.
2. Keywords are insufficient.
3. Some of the symbols in the book are unclear.
4. Some of the shapes in the book and visas on the shapes are blurred.
5. Some arrows and markers on the shapes are located inside the shape, as in Figure (22-4) and (22-10), and in some shapes they are located outside the shape, as in Figure (22-8).
6. The X-ray diffraction diagram in Figure 22-10 is not entirely clear.
7. The unit of temperature measurement in some places is written in kelvins and in others it is written in Celsius, the units of measurement must be standardized.
8. Figure titles of the chapter are very long, abbreviated in an understandable sense for the reader.
9. The abstract and conclusion are too short.
10. The file has been attached and some words are colored yellow and they need to be modified or corrected.
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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: | **Edrees Edaan Ghadeer** |
| Department, University & Country | **University of Mosul, Iraq** |