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| Book Name: | **Plasmas Afterglows with N2 for Surface Treatments synthesis 2024** |
| Manuscript Number: | **Ms\_BPR\_3686.12** |
| Title of the Manuscript: | **Density of N2 Active Species in N2 DBD Afterglows by Optical Spectroscopy at Atmospheric Gas Pressure** |
| 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.** | **It is meaningful to study the exited species of afterglow in N2 DBD discharge.**  **But the arrangement of the article is not proper, especially numbering of figures and tables are not complete. And there are some ambiguous parts.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes.** |  |
| 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. | **Yes.** |  |
| **Are subsections and structure of the manuscript appropriate?** |  |  |
| **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.** | **P.230 upper part: So they said it is DBD discharge and some part of electrode is bare, that I can’t identify the discharge scheme.**  **P.236 : Why is it empty?**  **All: The numbering of figures and tables should be corrected.**  **P.238 Fig.1 : It is said there is pink symbol but I can’t find it.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **I think the reference of Prof. Andre Ricard could be mentioned more.** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | Yes. |  |
| 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: | **Heon Ju Lee** |
| Department, University & Country | **Republic of Korea** |