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| Book Name: | **Plasmas Afterglows with N2 for Surface Treatments synthesis 2024** |
| Manuscript Number: | **Ms\_BPR\_3686.5** |
| Title of the Manuscript: | **N and C-atoms in R (Ar)-N2-CH4 Flowing Afterglows in High Power RF Jet** |
| 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.** | Although the theme raised is quite heavy for lay people, the manuscript can still be relevant if used for the scientific community because it discusses emissions and radiation which are currently one of the things that influence the quality of the environment. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title needs to be made more complete to sharpen the submitted manuscript.  Suggested title: Decomposition Method of N and C Atoms in R(Ar)-N2-CH4 Afterglows Flow in High Power RF Jet |  |
| 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 writing of the abstract is not yet comprehensive, it is necessary to add the main problem, objectives, data methods, and a brief conclusion. |  |
| **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.** | This manuscript raises the theme of emission and radiation analysis through chemical processes. There are scientific efforts to analyze molecular emission spectroscopy. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | References are sufficient. |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | In general, the script is written using very technical language. |  |
| 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:** | **Panglima M.S. Asihono** |
| **Department, University & Country** | **Indonesia** |