

Review Form2

Book Name:	Current Research Progress in Physical Science
Manuscript Number:	Ms_BPR_1843
Title of the Manuscript:	The Role of Dust Charging and Asymmetric Ion Flow on the Dust Lattice Mode in Complex Plasma
Type of the Article	Book Chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The article is well structured and the fundamental concepts are illustrated well.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is clear and relevant to the study.	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract effectively summarizes the research, but it could benefit from highlighting the key findings and their significance in a more concise manner.	
Are subsections and structure of the manuscript appropriate?	They are well structured.	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound?Minimum 3-4 sentences may be required for this part.	It is	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. :-	The references are relevant and up-to-date. Ensure all references are formatted consistently and verify that all citations are accurate.	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	Minor Revision will improve it the entire manuscript.	
Optional/General comments	Specific Comments: Abstract: Line 2: "mechanism among dust grains..." – Clarify which mechanism you are referring to. Line 5: Consider rephrasing "tuning the coupling strength" to make it clearer. Introduction: Page 4, Line 10: "Realization of correct and appropriate interaction potential is one of the biggest challenges..." – This sentence could be more concise. Page 4, Line 22: Consider explaining the significance of Coulomb crystallization in more detail. Theoretical Formulation: Page 17, Equation (1): Ensure the symbols are defined clearly in the text immediately following the equation. Page 18, Line 2: "The dielectric response function in presence of dust charging dynamics is given by..." – Specify why this function is important. Results and Discussion: Page 19, Line 12: "The strength of wake potential from equation (11) shows an enhancement with decrease in flow speed..." – Provide a possible explanation for this observation. Page 20, Figure 1: Ensure the axes are labeled clearly and consider adding units where applicable. Conclusion: Consider adding a separate conclusion section summarizing the main findings and their implications. Highlight potential areas for future research based on the results of this study. Grammar and Style: Ensure consistent use of tense throughout the manuscript. Review the manuscript for grammatical errors and awkward phrasing. For example, "access accumulation" should be "excess accumulation."	

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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