Review Form 3

Journal Name:	**Journal of Advances in Mathematics and Computer Science**
Manuscript Number:	**Ms_JAMCS_127395**
Title of the Manuscript:	**Hierarchic control for a two-stroke linear system with missing data**
Type of the Article	

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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
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.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -		

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**		
Optional/General comments	Referee's Report Hierarchic control for a two-stroke linear system with missing data In this paper, the authors present and study hierarchical control problem for a two-stoke linear system with missing initial condition, adjoint to an age and space structured single species population dynamics problem. They prove optimal control and null controllability properties. The results are achieved by means of observability inequality of Carleman type that they established for the adjoint systems which characterizes the optimal control of such problem. Based on the observability inequality, the authors prove the null controllability via penalization method of system in the presence of missing data. The subject of this paper is interesting and the results are correct. I recom- mend publishing the current article. References. [10] F. Nikiema, M. Kere and M. Soma. (2024). Hierarchical Stackelberg Control for a Two-Stroke Linear System in Population Dynamics. Asian Re- search Journal of Mathematics, 20(10), 130-149. [12] G. Mophou, M. Kere and L. L. D . Njoukoue. (2020). Robust hierarchic control for a population dynamics model with missing birth rate. Mathematics of Control, Signals, and Systems, 32, 209-239.	

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)*	

Reviewer Details:

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