

[Review Form 2](#)

Book Name:	Mathematics and Computer Science: Contemporary Developments
Manuscript Number:	Ms_BPR_3835
Title of the Manuscript:	Optimal Control and Bifurcation Issues for Lorenz-Rössler Model
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 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.	The chapter "Optimal Control and Bifurcation Issues for Lorenz-Rössler Model" provides a valuable resource for understanding the intersection of chaos theory, bifurcation analysis, and control theory. It presents these complex ideas in a structured manner and highlights their significance in practical applications. The inclusion of more hands-on examples and computational techniques would further enhance its utility, particularly for readers looking to apply these methods in real-world scenarios. Nonetheless, the chapter is an insightful introduction to these advanced topics in nonlinear dynamics and would be beneficial to students, researchers, and professionals interested in chaos control and bifurcation analysis.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is suitable in this context	
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.	Abstract part is very clear, not required to include anything	
Are subsections and structure of the manuscript appropriate?	Every subsection structured in a systematic manner	
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.	The chapter provides a thorough explanation of both optimal control theory and bifurcation analysis, explaining both in a way that is accessible to readers with a background in nonlinear dynamics. The integration of these two concepts is valuable for those interested in controlling chaotic systems.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Not required to include any more references.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	For a better understanding of various bifurcation scenarios, provide the MATLAB programming code for numerical simulation under Nomenclature section. Whether these parameters values taken for numerical simulation are these points taken randomly or with some reference. If yes reference should be given.	
Optional/General comments	To best of my knowledge, providing the simulation code for various scenarios would be beneficial to students, researchers, and professionals interested in chaos control and bifurcation analysis. Revision required regarding simulation code	

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PART 2:

	<u>Reviewer's comment</u>	<u>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)</u>
<u>Are there ethical issues in this manuscript?</u>	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

Name:	K. Ramesh
Department, University & Country	Anurag University, India