

[Review Form 2](#)

Book Name:	Mathematics and Computer Science: Contemporary Developments
Manuscript Number:	Ms_BPR_3518
Title of the Manuscript:	EUCLIDEAN DOMAIN IN THE RING $\mathbb{Q}\sqrt{-43}$
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 existence of efficient algorithms for Euclidean division of integers and of polynomials in one variable over a field is of basic importance in computer algebra. So in this paper the authors have critically examined the concept of Euclidean domain in the ring $\mathbb{Q}\sqrt{43}$.	
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?	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.	In my opinion, one may use the generalized Euclidean algorithms in many of the same ways as Euclid's original algorithm in the ring of integers: in any Euclidean domain, it can be applied to compute the greatest common divisor of any two elements. In this paper, the authors used the concepts of euclidean domain to find the solutions. So in my point of view, manuscript has significant information for the publication. One can explore more ideas for further study of such types of problems. This paper should be of interest to those working in the same fields.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	yes	
Minor REVISION comments	nil	
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	The language is easily understandable. In my opinion, the author has taken care of the journal's guidelines. Finally, I recommend accepting the manuscript as it is and publishing it in the journal.	

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PART 2:

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

Reviewer Details:

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