Review Form 3

Book Name:	**Mathematics and Computer Science: Research Updates**
Manuscript Number:	**Ms_BPR_4012**
Title of the Manuscript:	**RADIO COLOURING OF SOME GRAPHS**
Type of the Article	**Book Chapter**

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	**Radio colouring is a mathematical model of networks. The radio colouring is defined as the colouring of vertices of a graph G with positive integers in order that the distance two vertices are assigned different colours and adjacent vertices are coloured with difference at least two. A radio colouring with minimum number of clolours is the radio chromatic number rn(G) and that make use of k-colours is a k-radio colouring. In this chapter, the radio colouring number of some classes of graphs are analyzed.**	
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.	**It is ok.**	
Is the manuscript scientifically, correct? Please write here.	**Yes**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	**Though there mare many references are given, only one of them is cited. Please avoid unnecessary citations.**	
Is the language/English quality of the article suitable for scholarly communications?	It is to be improved.	
<u>**Optional/General**</u> comments	1. It is better to give the key definitions not only in abstract but also in the introduction too. For example, the definition of radio colouring is not defined anywhere in the text other than the abstract. 2. There is a part of a note at the end of Theorem 2.2. It is better to keep notes away from the proof. They can be separately mentioned. 3. The sharpness of Observation 2.1 can be expressed with the help of Theorems 2.3 and 2.4. 4. The introductory part of Section 3 is an incomplete sentence. 5. Theorem 3.1 is proved with the help of an example. It is not good to mix a general proof and an example. Give the example after the proof. 6. In Theorem 3.2: j=1, j=2, etc., are given. Without it also the idea is clear (since $j \equiv 1 \pmod 4$ gives j=1. 7. The section DEFINITIONS,ACRONYMS,ABBREVIATIONS is unnecessary. It is always better to give a definition before introducing the concept. The definitions of Comb and Caterpillar were already given. The definition of Sunlet graph also could be given before its the result. 8. There are a few grammatical as well as typological errors to be corrected.	

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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