

Review Form2

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|--------------------------|------------------------------------------------------------------------------|
| Book Name:               | Mathematics and Computer Science - Contemporary Developments                 |
| Manuscript Number:       | Ms_BPR_2159                                                                  |
| Title of the Manuscript: | Graph Coloring as a Technique for University Course Timetabling Optimization |
| Type of the Article      | Book chapter                                                                 |

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 minimumof 3-4 sentences may be required for this part.                        | This limits its relevance and impact in the current research landscape.                                                                                   |                                                                                                                                                             |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)                                                                                                                                                | Yes, the title of the article suitable                                                                                                                    |                                                                                                                                                             |
| 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.                                                                          | The abstract need to rewrite some sentences.                                                                                                              |                                                                                                                                                             |
| Are subsections and structure of the manuscript appropriate?                                                                                                                                                                         | The subsections and structure need to be renumbered.                                                                                                      |                                                                                                                                                             |
| 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 minimumof 3-4 sentences may be required for this part. | General principles of manuscript writing have been observed. A scientific manuscript is organized to reflect the basis pattern of the scientific process. |                                                                                                                                                             |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.                                                                                                  | The cited related works are dated and the references need updating.                                                                                       |                                                                                                                                                             |

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| Minor REVISION comments<br><br>Is the language/English quality of the article suitable for scholarly communications? | The language needs to be enhanced.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Optional/General comments                                                                                            | Comment for the paper entitled “Graph Coloring as a Technique for University Course Timetabling Optimization”<br>1. The language needs to be enhanced.<br>2. The Graph Coloring algorithm is an old algorithm.<br>3. The numbering of the figures in the research papers is not the same in the thesis i.e. Figure 3.1 should be Figure 1.<br>4. In Figure 3.1, what is the difference between “allocation venue to each course” and “assign venue to each course”?<br>5. In course timetabling usually you need to generate an initial solution before you start the improvement phase.<br>6. The objective function should be clarified. How will the constraints be satisfied?<br>7. The results should be discussed and justified.<br>8. It would be better to avoid the repetition.<br>9. The cited related works are dated. Please update the references. |  |

PART 2:

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|                                              | 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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|----------------------------------|---------------------------|
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| Department, University & Country | University of Anbar, Iraq |