

Review Form2

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|--------------------------|-------------------------------------------------------------------------------|
| Book Name:               | <a href="#">Chemical and Materials Sciences: Developments and Innovations</a> |
| Manuscript Number:       | Ms_BPR_2407                                                                   |
| Title of the Manuscript: | Charting Atomic Characteristics: A Pathway to Element Classification          |
| 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.                        |                    |                                                                                                                                                             |
| Is the title of the article suitable?<br>(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 minimumof 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                                                             | I read the article titled Charting Atomic Characteristics: A Pathway to Element Classification.<br>The following items should be corrected.<br>1- The quality of the figures is not suitable at all.<br>2- The references of the last 5 years should be used.<br>3- Spelling and grammar mistakes should be corrected.<br>4- Make a comparison with the work of others. |  |

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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|----------------------------------|-------------------------|
| Name:                            | Esmaeil Pakizeh         |
| Department, University & Country | Yasouj University, Iran |