|  |
| --- |
|  |
| Book Name: | [**Current Research Progress in Physical Science**](https://www.bookpi.org/bookstore/product/current-research-progress-in-physical-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4483** |
| Title of the Manuscript:  | **Computation of thermodynamical parameters for Cu47Ti34 Zr11Ni8 bulk metallic glass** |
| Type of the Article | **Book Chapter** |

|  |
| --- |
| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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.** | Thermodynamical parameters as Gibbs free energy (*ΔG*Δ*G*), entropy (*ΔS*Δ*S*), and enthalpy (*ΔH*Δ*H*) are crucial to understand the stability and behaviour of BMGs.Studying the thermodynamical parameters, researchers can gain insights into the crystallization process and thermal stability of the BMG.BMGs like Cu47Ti34 Zr11Ni8 are used in various industries due to their unique properties such as high strength, elasticity, and corrosion resistance. |  |
| **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. | Abstract of the article is comprehensive. |  |
| **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.****-** | **No, references are not sufficient. Needs to add more latest references.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

|  |
| --- |
| **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:** |
| Name: | **Nishi Gupta** |
| Department, University & Country | **Chandigarh University, India** |