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| Book Name: | [**Chemical and Materials Sciences: Research Findings**](https://www.bookpi.org/bookstore/product/chemical-and-materials-sciences-research-findings-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4777** |
| Title of the Manuscript:  | **Comprehensive study of graphite-molybdenum brazed joints: structure, strength** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Metallurgical and Materials Engineering, 29(1): 115-128, 2023.**

**DOI:** [**https://doi.org/10.56801/MME989**](https://doi.org/10.56801/MME989)

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| 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.** | This study offers a compelling and in-depth analysis of the microstructural properties and mechanical strength of molybdenum-graphite-based materials, specifically tailored for brazed joint applications.The subject is novel and impactful. The findings are particularly notable. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title must be improved for instance : A comprehensive study on the microstructure and strenthg of graphite-molybdenum brazed joints |  |
| 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 is too long at 255 words; a well-structured abstract contains between 150 and 200 words. It should summarize the key aspects of the manuscript |  |
| **Is the manuscript scientifically, correct? Please write here.**  | We have carefully reviewed the manuscript and found the results to be logical with well-supported interpretations. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | All references must adhere to a uniform style. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The English of the manuscript needs an improvement for example: In the introduction, the phrasing "According to [1]" is unusual when stating widely accepted scientific facts. |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**AKBI Hamdane, Algeria**