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| 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\_4705** |
| Title of the Manuscript:  | **The Angular Velocity as a Function of the Radius in Molten Ga75In25 Alloy and Mercury Stirred by Rotation Magnetic Field** |
| 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.**

**Metals, 14(3): 368., 2024.**

**Available:** [**https://doi.org/10.3390/met14030368**](https://doi.org/10.3390/met14030368)

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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 examined the impact of rotational magnetic field stirring on angular velocity as a function of sample radius using angular velocity data obtained using the Turbine Wheel Method and the Pressure Compensation Method. Two sets of measured data are presented in this work following an overview of the practical technique for determining the angular velocity in the magnetically stirred melt as a function of the crucible's radius and magnetic induction.**  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, the title is suitable for the article** |  |
| 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. | **Yes, the abstract is comprehensive.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, the manuscript is scientifically correct.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes, the references are sufficient and recent.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Langiuage and English quality of the article is suitable for the scholarly communications.** |  |
| Optional/General comments |  |  |

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| **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:**

**L.Daniel Devaraj, Grace College of Engineering, India**