**Editor’s Comment:**

I accept the manuscript for publication in the BP International.

Considering the reviewers comments and authors corrections, we can publish this manuscript.

The reasons are as follows:

1- One reviewer gives comments such as “This manuscript is well written and well organized.

The work is very interesting and easy to understand. The paper provides new scientific results

to the scientific community”

2- One reviewer gives comment such as” This manuscript is significant for the scientific

community as it presents a detailed phase-field simulation study of grain refinement in Ti-

6Al-4V alloys containing TiC particles. This research is particularly valuable for its

application in electrostatic levitation (ESL) experiments and its potential implications for

additive manufacturing processes. The strength of this study lies in its comprehensive

approach, which combines experimental data with computational modeling to understand the

nucleation behavior and grain refinement mechanisms”

3- One reviewer gives comment such as “Accept after minor revision”

4- One reviewer gives comment such as “Accept after major revision”.

According to the comments, the authors have corrected the manuscript carefully. Therefore,

the manuscript has enough value for publication in the BP International.

**Editor’s Details:**

Prof. Magdy Rabie Soliman Sanad

Professor, National Research Institute of Astronomy and Geophysics, Egypt.