SDI Review Form 1.6

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_29954**
Title of the Manuscript:	**Free energy estimation of a binary alloy around the equilibrium based on the order parameter**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

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<mark>PART 1:</mark> Review Comments

	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)*
Compulsory REVISION comments		
Minor REVISION comments	1) I suggest the following title: **Free energy determination of a binary alloy around the equilibrium based on the order parameter** 2) I suggest the following abstract: **In this paper, we have determined the free energy of a binary alloy for any order and it is showed that the number of equilibrium states of the system is obtained by the Taylor expansion to the 4-th order choice. We explicitly determine the stable states of alloy which are characterized by the free energy.** 3) I suggest the following keywords: **Free energy; binary alloy; Taylor expansion; equilibrium states**	
Optional/General comments		

Reviewer Details:

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