



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research and Review in Physics</a>
Manuscript Number:	Ms_AJR2P_50786
Title of the Manuscript:	Study of energy of formation for $Fe_xNi_{1-x}$ liquid binary alloys
Type of the Article	Original research paper

**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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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<p>The most reservations (visible at first glance) arouse the record of references. I referred to this matter in the extensive note below.</p> <p>The work does not allow any verification of the results obtained from calculations. Some plots in the figures 3 and 4 are not sufficiently described in the text of the work. The author's comments are very superficial and unconvincing.</p>	<p>Referencing style changed according to suggestion.</p> <p>The experimental results and theoretical results showed in figure-4. We also added detailed explanation of figure-3 and figure-4.</p>
<b>Minor</b> REVISION comments	<p>Minor(?):Notation of some formulas raises objections - the need to use parentheses in denominator of some fractions. Computer does not tolerate such notation...</p> <p>The author(s) has(have) obvious problems with punctuation. Linguistic correctness also raises reservations - in many places. Some sentences are vaguely phrased. Many detailed comments have been attached to the text</p>	<p><u>Minor(?):Notation of some formulas raises objections - the need to use parentheses in denominator of some fractions. Computer does not tolerate such notation...</u></p> <p>There is nothing wrong with those formulas or notations. However, we have changed two equations' expressing style following reviewer's suggestion.</p> <p><u>The author(s) has(have) obvious problems with punctuation. Linguistic correctness also raises reservations - in many places. Some sentences are vaguely phrased. Many detailed comments have been attached to the text</u></p> <p>We have acknowledged issues and made necessary corrections.</p>
<b>Optional/General</b> comments	<p>Using hydrological terminology, I would evaluate this work "in the lower regions of middle states". This does not mean that I am a lover of the flood; on the contrary!</p> <p><b>Detailed remarks</b></p> <p><b>Changes in References:</b> The quotation should be unified there. I do not know the 'rules in force' in Asian Journal of Research and Reviews in Physics, but... correct [1], [2], [5], [7], [9], [12], [13], [18], [21], [22], [24], [26], [28], [29] [11] In <a href="https://www.researchgate.net/publication/253678028_Energy_of_formation_for_AgIn1-x_and_AgSn1-x_liquid_binary_alloys">https://www.researchgate.net/publication/253678028_Energy_of_formation_for_AgIn1-x_and_AgSn1-x_liquid_binary_alloys</a> we find: G M Bhuiyan, Azizah Ziauddin Then should be: G M Bhuiyan, and A. Ziauddin, (...), I think. Anyway, Ahmed is a male name. For example, Ahmed I – Sultan of the Ottoman Empire, caliph, founder of the Blue Mosque in Istanbul.</p> <p>In [31], change the names of the authors: should be [31] JL Bretonnet, GM Bhuiyan, and M Silbert, instead of [31] GM Bretonnet, JL andBhuiyan and M Silbert. (?)</p> <p>JL Bretonnet, GM Bhuiyan, and M Silbert, Gibbs-Bogoliubov variational scheme calculations for the liquid structure of 3d transition metals. Journal of Physics: Condensed Matter, 4(24):5359–5370, jun 1992. see ref. [10] of the paper <a href="http://imet-uran.ru/files/Yuryev/JNET2010.pdf">http://imet-uran.ru/files/Yuryev/JNET2010.pdf</a></p>	<p>References are changed according to reviewer's suggestion. Actually this confusion/difference raised due to citation style.</p> <p>Reference [11]: Mr. Abu Zafur Ziauddin Ahmed one of the authors of this paper and also coauthored the reference [11]. It is mistakenly cited on researchgate as Azizah Ziauddin. However, we acknowledged the difference in citation style.</p>



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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	