



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	MS_PSIJ_33572
Title of the Manuscript:	Far-Infrared Spectra of the Alloy of Germanium-Antimony-Tellurium in the Glassy and Crystalline State
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.

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### PART 1: 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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>1. Although the author(s) cited the reference [13] for the confirmation of X-ray powder diffraction. However, there is no detail about X-ray powder diffraction about GST. I suggest they should include the results of XRD of both samples.</li> <li>2. I also suggest to include the results of Dispersive X-ray spectroscopy and Differential scanning calorimetry, or at least discuss them in Section 3.</li> <li>3. The following instruments detail is also missing Section 2. X-ray powder diffraction (Line 76). Dispersive X-ray spectroscopy (Line 77). Differential scanning calorimetry (Line 79). Spectrophotometer used in Leningrad State University (Line 82).</li> <li>4. English is by far not good enough and entire manuscript should be checked by a native speaker. For instance, see the Line 25, "One are suggest....." Line 191, "where is manifested..." etc.</li> <li>5. Some type errors should be revised, for example: Line 55, "cm-1" should be replaced by "cm-1" Line 72, "10-3" should be replaced by "10-3" Line 78, "200C" should be replaced by "20 0C" Line 55, "cm-2" should be replaced by "cm-2" Line 95, "Figure" number should be mentioned, "Figure 1". Line 172, "Figure" number should be mentioned, "Figure 1".</li> </ol>	<ol style="list-style-type: none"> <li>1. Really, the data on the X- ray analysis for given composition, presented in our manuscript now (Fig. 1.), not shown in the short paper (ref. [13]) of the Proceedings of the 18th International School on Condensed Matter Physics. But we do not are sure that it is necessary that these data were presented in an article for the Physical Science International Journal, in which we discuss in the main data of far-IR spectroscopy.</li> <li>2. We corrected this by including the results of Dispersive X-ray spectroscopy and Differential scanning calorimetry in Section 2</li> <li>3. The instruments detail about X-ray powder diffraction, Dispersive X-ray spectroscopy, Differential scanning calorimetry, and Spectrophotometer used in Leningrad State University is also include in Section 2 (now Lines 78-103 ).</li> <li>4. These comments need not reply but need corrections. Please see the revised paper with all the corrections highlighted in yellow colour.</li> <li>5. Some type errors (Lines 55, 72, 78, 95, and 172) revised also.</li> </ol> <p>We are grateful to the referee for his thorough analysis of the article and the comments.</p>
<b>Optional/General</b> comments		