



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	2013_PRR1_3955
Title of the Manuscript:	Thermal Stability and Tg Characteristics of GeTeSb Glasses

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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)
<u>Compulsory</u> REVISION comments	<p>The manuscript reports thermal and some of physical parameters of GeTeSb glassy systems. However the manuscript can not be published in its existing form and I recommend this manuscript for revision. Following points should be considered while revising the manuscript.</p> <ol style="list-style-type: none"> 1. Authors should explain clearly why the physical properties are changing by the replacement of Ge with simultaneous substitution of Sb. Types of bond formation in the glassy system should also be discussed. Authors can also correlate the physical parameters with cohesive energy of the system. Ref: "Effect of Bi incorporation on glass transition kinetics of $\text{Se}_{85-x}\text{Te}_{15}$ glassy alloy" Journal of Thermal Analysis and Calorimetry (Springer) 96, 1-5, 2009" 2. Authors are advised to include some new references. More than half of the references in this manuscript are too old. 3. Language of the manuscript is not good enough to be published in its existing form. <p>I believe that this paper can be published in the Physical Review & Research International if the authors will make changes in accordance with the made remarks.</p>	<p>It is seen, from Table 1, that the average coordination number values decrease for each Te composition, with increasing Sb content. This behavior is caused by the substitution of Ge atoms (from group IV) with Sb ones (from group V).</p>
<u>Minor</u> REVISION comments	NA	
<u>Optional/General</u> comments	NA	