



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Geological Research</a>
Manuscript Number:	<b>Ms_AJGER_43374</b>
Title of the Manuscript:	<b>Structural, Morphological, and seismic evidence of Abbar region Active Tectonics in Western Alborz, NW Iran</b>
Type of the Article	<b>Original Research Article</b>

**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>)

**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 comments below are mostly directed at improving of already very interesting paper.</p> <ol style="list-style-type: none"> <li>1. Introduction – an addition of some descriptions of rock units/complexes participating in geology of this interesting area should be quite beneficial to the general reader. Otherwise, it is left to reader's own devices to figure out what rocks participate in all these intricate tectonic movements.</li> <li>2. Figures 5 and 6 – these structures can be actually interpreted as part of a regional or local thrust package and thus still representing compressional, not transpressional (strike-slip) tectonic regime. I feel that at least acknowledgement of this potential alternative interpretation should be acknowledged here.</li> <li>3. I find authors model for change from compressional (collision) to transpressional (transform, strike-slip) tectonic regime in this region quite fascinating as they link this change to clockwise rotation of the South Caspian Basin or its westward movement. Are there any other data sets from other regions that can support this interpretation? Any additional evidence from the literature pertaining to different structures around South Caspian Basin will immensely strengthen author's position.</li> <li>4. What about seismotectonic data? Any modern seismic activity in the area and, if yes, of what kind? Are earthquake types and distributions consistent with the author's model?</li> </ol>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**Reviewer Details:**

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