Hello Dear Simon

Thanks to the respected referees who patiently and carefully reviewed the article and improved the quality of the article with their constructive comments.

Respectfully, the corrections requested by the honorable referees are sent to the presence.

This info is not needed in an abstract. This point was deleted.

These are mostly just findings. What are the implications in terms of climate change?

In this study, we are looking to investigate the past climate of Node region. The consequences were not considered. In other words, the purpose of this research was to identify different climate periods in this region.

What is missing here are examples of the type of improvement/advances that have been made.

Tried to correct it with updated references

It is unclear what is meant here. Does it mean to say that the Alborz structure continues beneath the Caspian Sea?

Yes our means that the Alborz structure continues beneath the Caspian Sea.

Unclear which region/country is meant here.... Kazakhstan? This Point was correct to Kazakhstan What kind of dates? We mean the dating for this sedimentary section by Frichen and et al

Figure is fuzzy. This can be avoided by exporting as a separate file (300-400 dpi jpeg/png) and inserting graph as a picture. Also, the dark red highlight is too dark. The new Figure was replaced.

Be more specific - what kind of study was done to determine the location of the section.

As explained, the studied area was previously studied by Frichen et al. (2009) and Kehl et al (2005). Therefore, we chose this sedimentary section to investigate climate changes and used their dating data.

Here, statements are needed explaining how the geochemical analyses were done. It is so far missing.

This section was added

At this point the age model/stratigraphy has not heen introduced. The reader cannot understand . You would also need to restate the depth ranges you are referring to (can be done in brackets).

This item was corrected in the text of the article

This is partially interpretation of data and should be placed in the discussion.

Please enter depth range as well (in brackets).

This item was corrected in the text of the article

It is unclear which period/section you are referring to here. Please specify.

This was also corrected in the text of the article

Why were these elements selected? ...concentration in loess being affected by climate change (E/P balance etc.)? Please explain briefly.

Based on the studies conducted in connection with loess in different regions of the world, most of these elements have been used to identify climate changes. Therefore, in this research, according to this case, the elements mentioned in the article were used.

Here it would need a section on the age model – you do refer to ages in the next sections without having established how the chronology was determined.

As explained, the studied area was previously studied by Frichen et al. (2009) and Kehl et al (2005). Therefore, we chose this sedimentary section to investigate climate changes and used their dating data.

Which elements? Please specify.

Mentioned in the text of the article

This section should be reworded so that the results are described with time moving forward (not backwards).

It was corrected

With this age model/stratigraphy section in place, in the next section (results) please provide specific values for both, depth in the section as well as the respective age.

This section was also included in the text of the article.

At this point the age model/stratigraphy has not heen introduced. The reader cannot understand. You would also need to restate the depth ranges you are referring to (can be done in brackets).

It would need some specific examples and referral back to figures in this section. This item was also corrected in the text of the article.

It is unclear which suggestions are meant here. Also, please avoid terms like "some researchers". Be specific by referencing work. This item was also corrected in the text of the article.

Just an idea, but have you tried to plot your data versus age and compare them to a global ice volume record. There might be something in it. I noted that you have done this later on, but this should be done much earlier (see comment on age modelling/stratigraphy section as well). Figure 11 from Antoine 2013 is an example of what could be done. You may also want to include data from that study. We have done this at the end of the article.

What is the AP/NAP index - please explain? (Arboreal Pollen grains (AP) to that of the Non-Arboreal Pollen grains (NAP)), this point is explained in article.

Be careful, stable oxygen isotope records from marine sediments have multiple factors controlling their values. The wording should be more careful. According to Jamali et al.'s article, this article is given. This source was referenced in the text.

See other comment on fuzzy figures. The legend is currently not legible. All of them was corrected.

What would 21 m be in age. You have used ages before. It would make sense to refer to time here as well. It was corrected Also, what is meant "a cold and dry season during this time frame"? Season implies a time within a year, or do you mean to say that generally cold and dry conditions prevailed during this time interval.

In this section, we mean cold and dry conditions. It was corrected in the text of the article.

You have partially said this already before. This item was removed from the text of the article

Please be careful. The sequence appears to cover roughly 160 to \sim 17-18 KaBP. Hence you have two glacials and one interglacial being reflected. Variation in most cases are not changes between inter-/glacials but are rather are variations related to interstadials.

It was corrected

Without placing this in a time domain and comparing it to other records, this statement is not robust.

According to the statements of Bloemendal et al. in 2008, this issue has been mentioned. This source was referenced in the text.

What is meant by brown layer sequences? This is not clear in the figure. Layers that start with B in stratigraphy, these are paleosol layers. Therefore, compared to other layers, they have dark and brown colors.

This seems to be referring to other studies. If so, references would be needed. These items are among our findings.