This is a main contribution to the palaeoclimate and vegetation history of SE Europe and NE Mediterranean. I have no major comment on this paper. Study site is of great palaeoclimatic importance, data are well presented and data interpretations are mainly well established. However, there are many small errors in type setting and some ambiguities in the interpretation of the LGM and late-glacial climate conditions. I have suggested a few alternative interpretations and references that may help to give a still better interpretation.

Overall, the manuscript deserves to be published in CP after minor revision.

Minor corrections:

Page 4185: Line 18 → “Last” instead of “Late”

Page 4186: Line 25 → “Marmara” instead of “Marmar”

Page 4187: Line 13 → Family names are more conventionally written in non-italics (e.g. http://www.botanicgardens.ie/educ/names3.pdf)

Page 4187: Line 18 → “Western High” or “Western high”?

Page 4190: Line 7 → “late-glacial” instead of “late glacial”. This is to be consistent in using the same terminology all over the paper (in accordance with line 1 in page 4189)

Page 4190: Line 14 → Please write “percentage” in plural

Page 4190: Line 17 → reminder: Family names will better be in non-italic

Page 4190: Line 24 → Please write “deciduous” in non-italic

Page 4191: Line 1 → Please write “percentage” in plural

Page 4191: Line 6, 9 and 20 → reminder: Family names will better be in non-italic

Page 4191: Line 12 → Please write “deciduous” in non-italics

Page 4192: Line 1 → Please add “type” after Sanguisorba minor

Page 4192: Lines 16-30 → reminder: Family names will better be in non-italic

Page 4192: Lines 17 → Please write “deciduous” in non-itals

Page 4192: Line 20 → Do you mean “Asteroideae” by Asteraceae?

Page 4193: Line 7 → Please close the parenthesis after “...Spiniferites cruciformis)”, Pediastrum and freshwater ostracodes should be written separately.
Hippophaë can indicate the dominance of unstable slopes, soil erosion and fluvial activities (e.g. Kolstrup, 1980; Djamali et al., 2008). In forestry, it is cultivated to stabilize the slopes. In lower latitudes it forms a major constituent of the landscape during the Pleniglacial.


Page 4199: Lines 12-13 → Chenopodiaceae, Cichorioideae, and Cerealia should all be in non-italics.

Page 4200: Line 12 → Please add a comma after “However”

Page 4200: Lines 15-17 → Ericaceae, Cerealia and Cichorioideae should be in non-italics

Page 4201: Lines 5-6 → Chenopodiaceae and Asteraceae should be in non-italics. Do you mean “Asteroideae” subfamily by “Asteraceae”?

References:

Please note that shortened “Quaternary” in the journal citation is “Quat.” not “Quaternary”. This is found in the following link that is the basis of referencing of Climate of the Past. Please also check other journal abbreviations in this website.

http://library.caltech.edu/reference/abbreviations/

Page 4205: Line 32 → You have omitted “Palaeoecol. “

Page 4208: Lines 2 and 5 → “Palynol.” not “Palyno.”