

Interactive comment on “Contribution of the Sensitivity Analysis in Groundwater Vulnerability Assessing Using the DRASTIC and Composite DRASTIC Indexes” by Mohammad Malakootian and Majid Nozari

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Received and published: 7 August 2019

I am very much thankful to the reviewer for his/her deep and thorough review. I have revised my present research paper in the light of his/her useful suggestions and comments. I hope my revision has improved the paper to a level of his/her satisfaction. Number wise answers to his/her specific comments/suggestions/queries are as follows:

Comment-1:

C1

- Page 2, line 26-28: In the ABSTRACT section, in the manuscript, there are many grammatical errors.

Response: The required changes were made. The changes highlighted in the manuscript with the yellow color.

Comment-2:

- Page 3-5, line 47-107: In the INTRODUCTION section, in the manuscript, there are many grammatical errors. Some sentences are not clear (Line 49-50, 91-94 and 105). There are some strange references (Line 55).

Response:

The required changes were made. The changes highlighted in the manuscript with the yellow color.

Comment-3:

- Page 5-13, line 109-230: In the METHODOLOGY section, in the manuscript, there are many grammatical errors. Some sentences are not clear (Line 145, 197). - Please, insert TAB 1 (Line 126) - is it referred to parameter or weight? Please, clarify. If it is referred to weight, move brackets after "weight" (Line 128) -What the D, R, A, S, T, I, C factors name? Why in the D, R and C factors the subscript letter W is in capital? (Line 131) -Table incomplete. Net Recharge factor is missing. Please, add a column with letters referred to parameters or explicit them in the caption (as in line 141 for L factor) - Please, pay attention to tab formatting. Move the title to the correct column (Line 148 or Table 3) - Explicit acronym (Line 212 and 222)

Response:

The required changes were made. The changes highlighted in the manuscript with the yellow color.

Comment-4:

C2

- Page 13-24, line 231-382: In the RESULTS AND DISCUSSION section, in the manuscript, there are many grammatical errors. Some sentences are not clear (Line 243-4, 265-6). - Insert TAB 6 (Line 234), insert FIG 6 (Line 306), insert TAB 7 (Line 311), insert TAB 8 (Line 346), insert TAB 9 (Line 348), insert TAB 10 (Line 367), and insert TAB 11 (Line 371). - Uniform maps dimensions (Line 301 or FIG 5) - Pay attention to formatting (Line 303 or Table 6) - Too many repetition "high", try to reformulate (Line 319-325)

Response:

The required changes were made. The changes highlighted in the manuscript with the yellow color.

Comment-5:

- Page 25, line 384-400: In the CONCLUSIONS section, in the manuscript, there are many grammatical errors.

Response:

The required changes were made. The changes highlighted in the manuscript with the yellow color.

Comment-6:

- Page 29, line 479: In the REFERENCES section: pay attention to formatting

Response:

The required changes were made. This reference is a Conference Proceedings. It is written according to the journal's instructions.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-181/nhess-2019-181-AC1-supplement.pdf>

C3

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-181>, 2019.

C4