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| Book Name: | [Geography, Earth Science and Environment: Research Highlights](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4663** |
| Title of the Manuscript: | **Retention parameters of the crack network in a two-domain soil structure** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**1ST: J. Hydrol. Hydromech., 71, 2023, 4, 369–381.** [**https://doi.org/10.2478/johh-2023-0034**](https://doi.org/10.2478/johh-2023-0034)

**2ND: ACTA HYDROLOGICA SLOVACA, Volume 25, No. 1, 2024, 81 – 87. DOI: 10.31577/ahs-2024-0025.01.0009**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript addresses the intricate dynamics of soil volume changes, particularly in regions prone to severe drought. Additionally, this manuscript provides valuable insights into calculating the retention properties of crack network structures in clayey soils.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **There are spelling and grammatical errors in the abstract as well as throughout the entire text of this manuscript. Therefore, the authors should review the entire manuscript and correct these mistakes. Also, in the abstract section, the authors should clearly and coherently present the results obtained from their research.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, to some extent. The images and data presented in this manuscript are somewhat accurate. However, the authors should strive to present the results more clearly and precisely in this manuscript.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes. The number of references is appropriate. Also, a suitable number of up-to-date references have been used in this book.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **No. There are spelling and grammatical errors in the text. The manuscript needs to be reviewed and corrected.** |  |
| Optional/General comments | **This manuscript holds scientific significance and is acceptable. However, the text needs to be reviewed and corrected for spelling and grammatical errors. The abstract does not present the results well, so it requires revision. Additionally, the results in the conclusion section should be stated more accurately and coherently.** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** |  |  |

**Reviewer details:**

**Peyman Maleki, Ayatollah Boroujerdi University, Iran**