

Review for manuscript: *Surface-subsurface interaction analysis and the influence of precipitation spatial variability on a lowland mesoscale catchment*

**Comment:**

After reviewing the manuscript, several critical points emerged that raise concerns regarding the scientific rigor and presentation quality. Here are some specific areas of concern:

1. The abstract fails to adequately address key factors influencing the conceptual model, such as the regulation of streamflow and the agricultural nature of the watershed. These factors are crucial for understanding the context and conditioning of the modeling processes, yet their omission diminishes the clarity and completeness of the manuscript.
2. Acronyms, including MIKE SHE and MIKE 11, are frequently used throughout the manuscript without proper explanation or clarification of their respective roles and differences. This lack of clarity hinders readers' understanding of the modeling approach and its components.
3. The manuscript contains numerous instances of vague language lacking both literature and quantitative support. Additionally, figures and tables are inadequately labeled, with critical information missing, such as a color scale for Figure 3. Confusing equation notations (Equation 1 and 2) and setups (line 201-202) further complicate comprehension and interpretation.
4. Much of the modeling process appears to be subjective, with weights assigned based on authors' knowledge (line 203-209) and parameter tuning conducted manually (line 211-212) for purported insights. This subjectivity raises questions about the validity and reliability of the results, particularly considering the authors' acknowledgment that "promising" results (line 252-254) align with their mental model, suggesting potential bias and the generation of artifacts.