

**Title: Automated calibration methodology to avoid convergence issues during inverse identification of soil hydraulic properties**

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Dear editorial board,

We are pleased to re-submit our manuscript entitled "Automated calibration methodology to avoid convergence issues during inverse identification of soil hydraulic properties". We greatly appreciate recommendations given by the reviewer and editor. Following your recommendations we have undertaken major revision, which affected mainly the theoretical part.

We greatly appreciated all given comments, and we strongly believe that it helped us to achieve a better level of our research presentation. We are open for further discussions and recommendations if needed.

kind regards

Michal Kuraz  
(corresponding author)

Prague, Czechia, May 31, 2022