Javier Burguete
Suelo y Agua, Estación Experimental de Aula Dei,
Av. Montañana 1005, 50059 Zaragoza
CSIC
Spain

July 19, 2017

Computers and Electronics in Agriculture
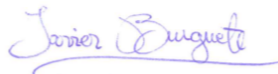Editorial Board

Dear Editor,

Please find the electronic version of two companion manuscripts "MPCOTool:
an open source software to supply empirical parameters required in simulation
models. I: model and tests" and "MPCOTool: an open source software to supply
empirical parameters required in simulation models. II: practical applications",
that we would like to have considered for possible publication in Computers and
Electronics in Agriculture.

This is a submission related to the manuscript previously submitted to the same
journal with reference "COMPAG-D-15-00336". The text has been improved
thanks to the suggestions and criticisms in the original revision. In particular:

- new optimization algorithms based in search direction have been added,
- a graphical user interface has been created and described,
- a quantitative analysis of the performance of optimization algorithms in
  standard analytical test cases has been included,
- the description of the practical application cases in agriculture has been
  extended,
- the material is organized with a more scientific focus.

All the new material was leading to an excessively long manuscript that we
have decided to split in two complementary papers. The first is focused on
the description of the optimization/calibration techniques implemented. The
second shows their performance and the information that can be obtained from
the tool in practical applications in agriculture.

Yours sincerely,

Javier Burguete