

Review of the manuscript with Ms. Ref. No: HESS-2010-80 entitled “Topographic effects on solar radiation distribution in mountainous watersheds and their influence on reference evapotranspiration estimates at watershed scale” authored by C. Aguilar et al.

Dear Editor,

The above manuscript contains useful results- about the topographic effects on solar radiation in mountainous areas along with their effects on estimates of evapotranspiration which are of great importance in the scientific community. The authors seem to possess a very good understanding on the subject matter so that they provided an interesting article. The overall prose followed by authors is very straightforward so that the interested reader, step-by step, can easily realize the problems in question.

More specifically, the paper is clearly written further addressing scientific questions within the scope of the HESS journal. The overall analysis is useful for the evapotranspiration community. The scientific methods and assumptions made are valid and clearly outlined. Finally, the authors give proper credits to related scientific works clearly indicating their own new and/or original contribution.

Keeping in mind all above remarks **I recommend this paper highly to you for publication in the journal of Hydrology & Earth Systems Sciences (HESS).**