



SDI Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_48907
Title of the Manuscript:	Hydrological Modeling of the Paligad Watershed (India) Using HSFP model
Type of the Article	CASE STUDY

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page/sdi-general-editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	<p>This is a case study using the HSPF model. The model was calibrated for one year and validated for another year of data. Results show that overall the model underestimates runoff.</p> <p>I find a big lack of supporting references. Most articles are above 10 years old. There have been publication on the subject since then, and the authors should assess them to support their work.</p> <p>.</p>	The suggestions are highly acknowledged and have been properly incorporated
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	<p>I suggest reading more on the subject and run a sensitivity analysis of the program for the region under study.</p> <ul style="list-style-type: none"> • HSPF-based watershed-scale water quality modeling and uncertainty analysis, February 2019 Environmental Science and Pollution Research. DOI: 10.1007/s11356-019-04390-0 • Modeling Best Management Practices (BMPs) with HSPF, January 2010, DOI: 10.1061/41148(389)81. Conference: Proceedings of the 2010 Watershed Management Conference • Int J Environ Res Public Health. 2017 Dec; 14(12): 1599., Published online 2017 Dec 19. doi: 10.3390/ijerph14121599 (this one in China) • Hydrological simulation of a small ungauged agricultural watershed Semrakalwana of Northern India, Applied Water Science, October 2017, Volume 7, Issue 6, pp 2803–2815 	Thanks for the suggestions



PART 2:

	Reviewer's comment	Author's comment (if agreed with 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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	no