Hydrology and
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Discussions

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Interactive comment on "A comprehensive study of new hybrid models for Adaptive Neuro-Fuzzy Inference System (ANFIS) with Invasive Weed Optimization (IWO), Differential Evolution (DE), Firefly (FA), Particle Swarm Optimization (PSO) and Bees (BA) algorithms for spatial prediction of groundwater spring potential mapping" *by* Khabat Khosravi et al.

Anonymous Referee #1

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Dear Editor This is great work; meanwhile I have the following moderate comments on above MS. 1. I think title of the mentioned research is very long; please authors try to decrease it. 2. In abstract, your means from curvature is which one? Plan or

C1

profile? 3. In abstract, what is your means from soil order? 4. Results of models are very similar together. Please edit results of lines 33-35. 5. Please add a reference in lines 118-119 for rainfall descriptions. 6. Quality of Fig. 2 isn't proper. Please draw it again. 7. Please add source of groundwater spring inventory map. 8. Please explain about classification of different layers or at least add some citations for the mentioned classifications 9. Fig. 3 (j) and 3 (m) what are codes? 10. According to Table 2, I think it isn't a land use map, it is land cover. Please change its name. or present land use/ land cover