CURRICULUM VITAE

Mehdi Sepehri

PhD in Watershed Sciences and Engineering
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Professional Education and Degrees

2016-2020	PhD Student in Watershed Sciences and Engineering Yazd University, Yazd, Iran PhD Project: Assessment of Urban Flood Hazard by using SWMM Model and Entropy Method (Case Study: Hamadan City).
2012-2014	Master of Science in Watershed Management Engineering Yazd University, Yazd, Iran MSc thesis: Urban Flood Hazard Mapping in urban areas using multi criteria decision analysis.GPA: 19 out of 20
2008-2012	Bachelor of Science in Natural Resource Engineering Razi University, Kermanshah, Iran Final project:

Selected Highlights of Professional Activities

1. Publications in Refereed Journals

Akbari, M., Meshram, S.G., Krishna, R.S., Pradhan, B., Shadeed, S., Khedher, K.M., Sepehri, M., Ildoromi, A.R., Alimerzaei, F., Darabi, F., 2021. Identification of the Groundwater Potential Recharge Zones Using MCDM Models: Full Consistency Method (FUCOM), Best Worst Method (BWM) and Analytic Hierarchy Process (AHP). Water Resources Management.

Ilderomi, A.R., Sepehri, M., 2018. Relationship of Quantitative Geomorphological Indices Using Fractal Dimension. Quantitative Geomorphological Research 6, 70-87.

Ildoromi, A.R., Sepehri, M., Malekinezhad, H., Kiani-Harchegani, M., Ghahramani, A., Hosseini, S.Z., Artimani, M.M., 2019. Application of Multi-Criteria Decision Making and GIS for Check Dam Layout in the Ilanlu Basin, Northwest of Hamadan Province, Iran. Physics and Chemistry of the Earth, Parts A/B/C.

Malekinezhad, H., Sepehri, M., Pham, Q.B., Hosseini, S.Z., Meshram, S.G., Vojtek, M., Vojteková, J., 2021. Application of entropy weighting method for urban flood hazard mapping. Acta Geophysica, 1-14.

Malekinezhad, H., Talebi, A., Ilderomi, A.R., Hosseini, S.Z., Sepehri, M., 2017. Flood hazard mapping using fractal dimension of drainage network in Hamadan City, Iran. Journal of Environmental Engineering and Science 12, 86-92.

Meshram, S.G., Ar, I., Sepehri, M., 2021a. Application of Fuzzy Best Worse Multi Criteria Decision Making Method for Flood Prioritization.

Meshram, S.G., Ilderomi, A.R., Sepehri, M., Jahanbakhshi, F., Kiani-Harchegani, M., Ghahramani, A., Rodrigo-Comino, J., 2021b. Impact of roof rain water harvesting of runoff capture and household consumption. Environmental Science and Pollution Research, 1-12.

Noori, H., Iildoromi, A.R., Sepehri, M., Sepehri, N., Artimani, M.m., 2015. Assesment of mechanicaloperationson hydrodynamic features of flood. Iranian journal of Ecohydrology 2, 245-252.

Sepehri, M., 2016. Reducing the Impact of Check Dams on the Hydrodynamic Characteristics of Flood.

Sepehri, M., Ghahramani, A., Kiani-Harchegani, M., Ildoromi, A.R., Talebi, A., Rodrigo-Comino, J., 2021. Assessment of drainage network analysis methods to rank sediment yield hotspots. Hydrological Sciences Journal.

Sepehri, M., Ildoromi, A.R., Malekinezhad, H., Ghahramani, A., Ekhtesasi, M.R., Cao, C., Kiani-Harchegani, M., 2019a. Assessment of check dams' role in flood hazard mapping in a semi-arid environment. Geomatics, Natural Hazards and Risk 10, 2239-2256.

Sepehri, M., Ildoromi, A.R., Malekinezhad, H., Hosseini, S.Z., Talebi, A., Goodarzi, S., 2017. Flood hazard mapping for the gonbad chi region, Iran. Journal of Environmental Engineering and Science 12, 16-24.

Sepehri, M., Malekinezhad, H., Hosseini, S.Z., Ildoromi, A.R., 2019b. Assessment of flood hazard mapping in urban areas using entropy weighting method: a case study in Hamadan city, Iran. Acta Geophysica 67, 1435-1449.

Sepehri, M., Malekinezhad, H., Hosseini, S.Z., Ildoromi, A.R., 2019c. Suburban flood hazard mapping in Hamadan city, Iran, Proceedings of the Institution of Civil Engineers-Municipal Engineer. Thomas Telford Ltd, pp. 1-13.

Sepehri, M., Malekinezhad, H., Ilderomi, A.R., Talebi, A., Hosseini, S.Z., 2018. Studying the effect of rain water harvesting from roof surfaces on runoff and household consumption reduction. Sustainable cities and society 43, 317-324.

Sepehri, M., Malekinezhad, H., Jahanbakhshi, F., Ildoromi, A.R., Chezgi, J., Ghorbanzadeh, O., Naghipour, E., 2020. Integration of interval rough AHP and fuzzy logic for assessment of flood prone areas at the regional scale. Acta Geophysica.

2. Book

3. Papers in Conference proceedings

4. Research Project

5. Other Scientific Experience and Activities

- Teaching and research assistant, collaborate with Prof. Dr. MR. Malekinezhad, Faculty of Natural Resources and Desert Studies, Yazd University.

References: Available upon request