

List of Publications

Dr.-Ing. Majid Taie Semiromi

Journal articles (peer reviewed)

- Shirmohammadi, B., Moradi, H., Moosavi, V., **Taie Semiromi, M.** & Zeinali, A. 2013. Forecasting of meteorological drought using Wavelet-ANFIS hybrid model for different time steps (case study: southeastern part of east Azerbaijan province, Iran). *Natural Hazards*, 69, 389-402.
- Taie Semiromi, M.**, Omidvar, S., & Kamali, B. (2018). Reducing Computational Costs of Automatic Calibration of Rainfall-Runoff Models: Meta-Models or High-Performance Computers? *Water*, 10(10). doi:10.3390/w10101440
- Taie Semiromi, M.**, Ghasemian, D. 2018. Reconstruction of Water Infiltration Rate Reducibility in Response to Suspended Solid Characteristics Using Singular Spectrum Analysis: An Application to the Caspian Sea Coast of Nur, Iran. *Hydrology*, 5(4), 59.
- Taie Semiromi, M.**, Koch, M. (2019). Analysis of spatio-temporal variability of surface-groundwater interactions in the Gharehsoo river basin, Iran, using a coupled SWAT-MODFLOW model. *Environmental Earth Sciences*. doi:10.1007/s12665-019-8206-3

Conference Proceedings

- Ghasemian, D., **Taie Semiromi, M.**, Chezgi, J., Boroughani, M. & Tahmasebi, A. 2009. Investigating of Meteorological and Hydrological Drought using SPI in North-Khorasan Province, Presented at 2nd National Conference on Drought Impacts and Management Plans, Isfahan Research Center for Agriculture and Natural Resources, Isfahan, Iran, 20-21 May.
- Fatehi Marj, A., **Taie Semiromi, M.**, Mirnia, S.K. 2009, Evaluation of Interpolation Methods to Draw Isopiez Groundwater Level (case study: Garebaygan plain, Fars Province, Iran), Presented at 6th National Conference on Earth & Environmental Sciences Engineering, Tarbiat Modares University, Tehran, Iran, 6-7 October.
- Boroughani, M., **Taie Semiromi, M.**, & Abkar, A.A. 2010. Spatial Analysis of Meteorological Drought using GIS in Razavi-Khorasan Province, Presented at 17th National Conference on Geomatics, National Cartography Center (NCC), Tehran, Iran, April.
- Boroughani, M., Parezkar, M., Taie Semiromi, M. & Mirnia, S.K. 2010. Evaluating Efficiency of Infiltration Models in response to Different Suspended Sediment Concentration Levels of Clay and Silty, Presented at 6th National Seminar on Erosion and Sediment Yield, Tarbiat Modares University, Iran, April 29th.
- Taie Semiromi, M.**, Fatehi Marj, A. & Mirnia, S.K. 2010. Simulating Groundwater Level using MODFLOW Mathematical Model in Garbaygan Plain, Presented at 8th International Conference on Calibration and Reliability in Groundwater Modeling, ModelCare 2011, 18-22 September 2011, Helmholtz Centre for Environmental Research – UFZ Leipzig, Germany.

- Hezarkhani, N., Sepahvand, A.R. & **Taie Semiromi, M.**, Asgari, S. 2011. Application of Artificial Neural Network (ANN) in Rainfall-Runoff Simulation in Gadarkhosh Watershed, Ilam Province, Presented at National Conference on Innovative Approaches in Sustainable Natural Resources Management, Islamic Azad University, Science and Research, Tehran, Iran, November 17.
- Shirmohammadi, B., **Taie Semiromi, M.** 2012. Investigating of Temporal and Spatial Variations of the Groundwater Resources Quality in Ajabshir Plain, East- Azarbajejan Province, Presented at 1th National Conference on Applications of New Technologies in Science and Environment, Hakime Sabzevari University, Sabzevar, Iran, 27-28 May.
- Soleamani Motlagh, M., Ghasemian, D., Winter, L. & **Taie Semiromi, M.** 2013. Groundwater Management in Aleshtar Aquifer under Meteorological Drought Conditions, American Geophysical Union (AGU), Fall Meeting, San Francisco, California, U.S.A., 9-13 December.
- Taie Semiromi, M.**, Koch, M. & Taie Semiromi, S. 2014. Prediction of Climate Change Impacts on Groundwater Storage by Analysis and Modeling of Hydrograph Recession Curves: Application to the Bar Watershed, Iran , In: Proceedings of the 11th International Conference on Hydroscience & Engineering, ICHE Hamburg 2014.
- Taie Semiromi, M.**, Koch, M. 2015. Modeling the Impacts of Climate Change on Groundwater Recharge in the Gharehsoo Watershed, Iran, from an Ensemble of Global Climate Model Projections, The International SWAT Conference, Sardinia, Italy, 24-26 June.
- Taie Semiromi, M.**, Koch, M. 2016. Application of Groundwater Modeling to Predict Drought Impacts on Groundwater Resources in the Garbaygan Plain, Iran, Presented at the International Conference of Multidisciplinary Approaches on UN Sustainable Development Goals, Nakhon Pathom, Thailand, 28–29 December.
- Taie Semiromi, M.**, Koch, M. 2017. A Fully Coupled SWAT-MODFLOW Model to Simulate Surface-Groundwater Interactions: Application to the Gharehsoo River Basin, Iran, Presented at 44th Annual Congress "Groundwater Heritage and Sustainability, Dubrovnik, Croatia, 25-29 September.
- Taie Semiromi, M.**, Koch, M. 2017. Downscaling of Daily Precipitation using a Hybrid Model of Artificial Neural Network, Wavelet, and Quantile Mapping in Gharehsoo River Basin, Iran, presented at 2017 AGU Fall Meeting, New Orleans, LA, 11-15 Dec.