

EK-3

ÖZGEÇMİŞ

1. Adı Soyadı : ALI DANANDEH MEHR

2. Doğum Tarihi/Yeri : 08.09.1979 / Tebriz-İran

3. Telefon :



4. Öğrenim Durumu :

Derece	Alan	Üniversite	Yıl
Lisans	İnşaat Mühendisliği	Tebriz Azad Üniversitesi, Tebriz, İran	2001
Yüksek Lisans	İnşaat Mühendisliği	Power and Water University of Technology (PWUT), Tahrán, İran	2005
Doktora	İnşaat Mühendisliği	İstanbul Teknik Üniversitesi	2016 (Mayıs)
Postdoktora	İnşaat Mühendisliği	Tebriz Üniversitesi, Tebriz, İran	2017 (Temmuz)

5. Akademik Unvanlar

Yardımcı Doçentlik Tarihi : 2017 (Şubat- kasım): YDÜ/ Lefköşa, KKTC
Yardımcı Doçentlik Tarihi : 2017 Aralık- 2019Eylül: Antalya Bilim Üniversitesi
Doçentlik Tarihi : 2019 Nisan: T.C. Üniversitelerarası Kurul Başkanlığı
Doçentlik Tarihi : 2019 Ekim: Antalya Bilim Üniversitesi
Profesörlük Tarihi : ----

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

- 4) Esmá KALE, 2021 (Antalya Bilim Üniversitesi-tez aşamasında), Drought forecasting using decision tree. <eş danışmanlığı>
3) Bahareh Karimi, 2018, (University College of Science and Technology), Monthly rainfall prediction using standard and gene-expression programming and comparing with ARIMA model <eş danışmanlığı>
2) Saeed Abutalebi, 2018, (University College of Science and Technology), Monthly rainfall prediction using standard and multi-gene genetic programming and comparing with ARIMA model <eş. danışmanlığı>
1) Yunes Musavi, 2018, (University College of Science and Technology), Monthly rainfall prediction using standard and linear genetic programming and comparing with ARIMA model <eş. danışmanlığı>

6.2. Doktora Tezleri

- 1) Aidin Rahmani (Islamic Azad Univ., İran-tez aşamasında), Climate changes impact on floodway: a case study on Shahrchi River<eş danışmanlığı>

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI/SCI-E/ESCI)

50. Danandeh Mehr, A., & Fathollahzadeh Attar, N. (2021). *A gradient boosting tree approach for SPEI classification and prediction in Turkey*. Hydrological Sciences Journal, Doi: 10.1080/02626667.2021.1962884

49. Rahimzad, M., Moghaddam Nia, A., Zolfonoon, H., Soltani, J., Danandeh Mehr, A., & Kwon, H. H. (2021). *Performance Comparison of an LSTM-based Deep Learning Model versus Conventional Machine Learning*

48. Danandeh Mehr, A., Hrnjica, B., Bonacci, & Torabi Haghighi, A. (2021) *Innovative and successive average trend analysis of temperature and precipitation in Osijek, Croatia*. Theoretical and Applied Climatology 145, pages 875–890.
47. Danandeh Mehr, A. (2021). *Drought classification using gradient boosting decision tree*. Acta Geophysica, 69, 909 – 918.
46. Danandeh Mehr A., Gandomi, A.H. (2021). *MSGP-LASSO: an improved multi-stage genetic programming model for streamflow prediction*. Information Sciences, 561, 181-195.
45. Danandeh Mehr A., Safari, M. J. S., Nourani V. (2021). *Wavelet packet-genetic programming: a new model for meteorological drought forecasting*. Teknik Dergi, 32 (4).
44. Alizamir, M., Heddami, S., Kim, S., & Danandeh Mehr, A. (2020). *On the implementation of a novel data-intelligence model based on extreme learning machine optimized by bat algorithm for estimating daily chlorophyll-a concentration: case studies of river and lake in USA*. Journal of Cleaner Production, 124868.
43. Modabberi, A., Noori, R., Madani, K., Ehsani, A.H., Danandeh Mehr, A., Hooshyaripor, F., & Kløve B. (2020) *Caspian Sea is eutrophying: The alarming message of satellite data*. Environmental Research Letters, 15, 124047.
42. Danandeh Mehr A., Tur R., Çalışkan C., & Tas E. (2020). *A novel fuzzy random forest model for meteorological drought classification and prediction in ungauged catchments*. Pure and Applied Geophysics, 177, 5993–6006.
41. Danandeh Mehr A., Vaheddoost, B., & Mohammadi, B. (2020). ENN-SA: A novel neuro-annealing model for multi-station drought prediction. Computers & Geosciences, 145, 104622
40. Danandeh Mehr A. (2020). *Seasonal rainfall hindcasting using ensemble multi-stage genetic programming*. Theoretical and Applied Climatology. 143(1), 461-472
39. Danandeh Mehr A. (2020). *An ensemble genetic programming model for seasonal precipitation forecasting*. SN Applied Science 2:1821. <https://doi.org/10.1007/s42452-020-03625-x>
38. Mohammadi, B., Vaheddoost, B., & Danandeh Mehr A. (2020). *A spatiotemporal teleconnection study between Peruvian precipitation and oceanic oscillations*. Quaternary International., <https://doi.org/10.1016/j.quaint.2020.09.042>
37. Maghrebi, M., Noori, R., Bhattarai, R., Mundher Yaseen, Z., Tang, Q., Al-Ansari, N., Danandeh Mehr A., ... & Torabi Haghighi, A. (2020). *Iran's Agriculture in the Anthropocene*. Earth's Future, 8(9), e2020EF001547.
36. Danandeh Mehr A., Tas, E., Kahya E. (2020). *Risk assessment of fuel supply pipelines: The Kalecik Power Plant Case Study*. Journal of Pipeline Systems - Engineering and Practice. 11(4): 05020005.
35. Rahmani-Rezaeieh A., Mohammadi, M., Danandeh Mehr A. (2020). *Climate change impacts on floodway and floodway fringe: a case study in Shahrchay River Basin, Iran*. Arabian Journal of Geosciences. 13:12 (494). <https://doi.org/10.1007/s12517-020-05444-1>
34. Afshar, M.H., Şorman, A., Tosunoğlu, F. Bulut B., Yilmaz M.T., Danandeh Mehr A. (2020). *Climate change impact assessment on mild and extreme drought events using copulas over Ankara, Turkey*. Theoretical and Applied Climatology, 141(3-4)1045-1055.
33. Mehdizadeh, S., Ahmadi F., Danandeh Mehr A., Safari, M. J. S. (2020). *Drought modeling using classic time series and hybrid wavelet-gene expression programming models*. Journal of Hydrology, 587, 125017.
32. Safari, M. J. S., Rahimzadeh Arashloo, S., Danandeh Mehr A., (2020). *Rainfall-runoff modeling through regression in the reproducing kernel Hilbert space algorithm*. Journal of Hydrology, 587, 125014.
31. Sheikh Khozani, Z., Safari, M. J. S., Danandeh Mehr, A., & Wan Mohtar, W. H. M. (2020). *An ensemble genetic programming approach to develop incipient sediment motion models in rectangular channels*. Journal of

Hydrology, 584, 124753.

30. Danandeh Mehr A., Safari, M. J. S., (2020). *Multiple genetic programming: a new methodology to improve genetic-based explicit monthly rainfall models*. Environmental Modeling and Assessment, 192:25.
29. Danandeh Mehr A., Bagheri, F., Safari, M. J. S., (2020). *Electrical energy demand prediction: a comparison between genetic programming and decision tree*. Gazi University Journal of Science, 33(1), 62-72.
28. Ebtehaj, I., Bonakdari, H., Safari, M. J. S., Gharabaghi, B., Zaji, A. H., Madavar, H. R., ... & Danandeh Mehr, A. (2020). *Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes*. International Journal of Sediment Research, 35 (2), 157-170.
27. Danandeh Mehr, A., Vaheddoost, B. (2020). *Identification of the trends associated with the SPI and SPEI indices in Ankara, Turkey*. Theoretical and Applied Climatology, 139(3-4), 1531-1542.
26. Danandeh Mehr A., Safari, M. J. S., (2020). *Application of soft computing techniques for particle Froude number estimation in sewer pipes*. Journal of Pipeline Systems - Engineering and Practice 11(2): 04020002.
25. Rahmani-Rezaeieh A, Mohammadi, M., Danandeh Mehr A. (2020). *Ensemble gene expression programming: a new approach for evolution of parsimonious streamflow forecasting model*. Theoretical and Applied Climatology, 139 (1-2), 549-564.
24. Danandeh Mehr A., Sorman, A.U., Kahya E., Hesami Afshar, M. (2020). *Climate change impacts on meteorological drought using SPI and SPEI: case study of Ankara, Turkey*. Hydrological Sciences Journal 65(2), 254-268.
23. Hrnjica, B., Danandeh Mehr, A. Behrem, Š., and Ağralioğlu N. (2019). Genetic Programming for Turbidity Prediction: Hourly and Monthly Scenarios. Pamukkale University Journal of Engineering Sciences, 25 (8), 992-997.
22. Nourani, V., Ghasemzade M., Danandeh Mehr, A., and Sharghi E. (2019). *Investigating the effect of hydroclimatological variables on Urmia Lake water level using wavelet coherence measure*. Journal of Water and Climate Change, 10(1), 13-29.
21. Danandeh Mehr, A., Jabarnejad, M., and Nourani, V. (2019). *Pareto-optimal MPSA-MGGP: a new gene-annealing model for monthly rainfall forecasting*. Journal of Hydrology, 571, 406-415.
20. Danandeh Mehr, Nourani, V., Karimi Khosroshahi V., and Ghorbani, M.A. (2019). *A hybrid support vector regression-firefly model for monthly rainfall forecasting*. International Journal of Environmental Science and Technology, 16, 335-346.
19. Danandeh Mehr A., Nourani, V., Kahya E., Hrnjica B., Sattar, AMA., Yaseen ZM. (2018). *Genetic programming in water resources engineering: A state-of-the-art review*. Journal of Hydrology, 566, 643-667.
18. Danandeh Mehr A. (2018). *An improved gene expression programming model for streamflow forecasting in intermittent streams*. Journal of Hydrology, 563, 669-678.
17. Ghorbani M. A., Khatibi R., Danandeh Mehr A. and Asadi H. (2018). *Chaos-based multigene genetic programming: a new hybrid strategy for river flow forecasting*. Journal of Hydrology, 562, 455-467.
16. Safari, M. J. S., and Danandeh Mehr A. (2018). *Multigene genetic programming for sediment transport modeling in sewers at non-deposition with deposited bed condition*. International journal of sediment research 33, 262-270
15. Danandeh Mehr, A. and Nourani, V. (2018). *Season algorithm-multigene genetic programming: A new approach for rainfall-runoff modelling*. Water Resources Management, 32 (8), 2665-2679.
14. Nourani, V., Danandeh Mehr, A., and Azad, N. (2018). *Trend analysis of hydroclimatological variables in Urmia Lake basin using hybrid wavelet Mann-Kendall and Sen tests*. Environmental Earth Sciences, 77 (5), 207.
13. Olyaie, E. Zare Abyaneh, H. and Danandeh Mehr, A. (2017). *A comparative analysis among computational*

intelligence techniques for dissolved oxygen prediction in Delaware River. Geoscience Frontiers 8, 517-527.

12. Danandeh Mehr, A. Nourani, V., Hrnjica B. and Molajou A. (2017). *A binary genetic programming model for teleconnection identification between global sea surface temperature and local maximum monthly rainfall events. Journal of Hydrology*, 555, 397-506.

11. Yaseen, Z. M., Ebtehaj, I., Bonakdari, H., Deo, R. C., Danandeh Mehr, A., Mohtar, W. H. M. W., ... & Singh, V. P. (2017). *Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. Journal of Hydrology*, 554, 263-276.

10. Danandeh Mehr, A. and Kahya, E. (2017). *A Pareto-optimal moving average multigene genetic programming model for daily streamflow prediction. Journal of Hydrology*, 549, 603-615.

9. Danandeh Mehr, A. and Nourani, V. (2017). *A Pareto-optimal moving average-multigene genetic programming model for rainfall-runoff modelling. Environmental Modelling and Software*, 92: 239-251.

8. Danandeh Mehr, A. and Kahya, E. (2017). *Climate change impacts on catchment-scale extreme rainfall variability: Case Study of Rize Province, Turkey. Journal of Hydrologic Engineering*, 22(3), 05016037, 10.1061/(ASCE)HE.1943-5584.0001477.

7. Danandeh Mehr, A. and Kahya, E. (2017). *Grid-based performance evaluation of GCM-RCM combinations for rainfall reproduction. Theoretical and Applied Climatology* 129 (1): 47-57.

6. Danandeh Mehr, A., Kahya E., Şahin, A. and Nazemosadat M.J. (2015) *Successive-station monthly streamflow prediction using different ANN algorithms. International Journal of Environmental Science and Technology*, 12 (7): 2191-2200.

5. Danandeh Mehr, A., Kahya, E. and Özger M. (2014). *A gene-wavelet model for long lead-time drought forecasting. Journal of Hydrology* 517, 691-699.

4. Danandeh Mehr, A., Kahya, E. and Yerdelen, C. (2014). *Linear genetic programming application for successive-station monthly streamflow prediction. Computers & Geosciences* 70, 63-72.

3. Uyumaz, A., Danandeh Mehr A., Kahya E. and Erdem H. (2014) *Rectangular side weirs discharge coefficient estimation in circular channels using linear genetic programming approach. Journal of Hydroinformatics* 16 (6), 1318-1330.

2. Danandeh Mehr, A., Kahya, E., Bagheri, F. and Deliktas E. (2014) *Successive-station monthly streamflow prediction using neuro-wavelet technique. Earth Science Informatics* 7, 217-229.

1. Danandeh Mehr, A., Kahya E. and Olyaie E. (2013) *Streamflow prediction using linear genetic programming in comparison with a neuro-wavelet technique. Journal of Hydrology*, 505:240–249.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

7. **Danandeh Mehr, A.** and Akdegirmen, O. (2021). Estimation of Urban Imperviousness and its Impacts on Flashfloods in Gazipaşa, Turkey. *Knowledge-Based Engineering and Sciences*, 2(1), 9-17.

6. Tas, E., Agiralioglu, N., **Danandeh Mehr, A.**, Tur, R. (2020). Energy Loss Investigation in Submarine Pipelines: Case Study of Cyprus Water Supply Project. *Advance Research in Civil Engineering*, 2(2), 31-44. doi: 10.30469/arce.2020.108582

5. Karimi, B., Safari, M.J.S, **Danandeh Mehr, A.** and Mohammadi, M.A. (2019). *Monthly rainfall prediction using ARIMA and gene expression programming: a case study in Urmia, Iran. Online Journal of Engineering Sciences and Technologies*. 2(3), 8-14.

4. **Danandeh Mehr, A.** and Şorman, A.Ü. (2018). *Streamflow and sediment load prediction using linear genetic programming. Uludağ University Journal of the Faculty of Engineering* 23(2), 323-332.

3. **Danandeh Mehr, A.** (2018). *Month ahead rainfall forecasting using gene expression programming. American*

2. Olyaie, E. Zare Abyaneh, H. and **Danandeh Mehr, A.** (2017). *A comparative analysis among computational intelligence techniques for dissolved oxygen prediction in Delaware River*. Geoscience Frontiers 8, 517-527.

1. **Danandeh Mehr, A.** and Demirel, M.C. (2016). *On the calibration of multi-gene genetic programming to simulate low flows in the Moselle River*. Uludağ University Journal of the Faculty of Engineering 21 (2), 365-376.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

25. Hrnjica. B., **Danandeh Mehr, A.**, E. Jakupović, A. Crnkčić and R. Hasanagić, "Application of Deep Learning Neural Networks for Nitrate Prediction in the Klokot River, Bosnia and Herzegovina," 2021. 7th International Conference on Control, Instrumentation and Automation (ICCIA), 2021, pp. 1-6, doi: 10.1109/ICCIA52082.2021.9403565.

24. **Danandeh Mehr, A.**, R. Farhangi and Ghiasi A. R., "The Validity of Deep Learning Computational Model for Wind Speed Simulation," 2021. 7th International Conference on Control, Instrumentation and Automation (ICCIA), 2021, pp. 1-5, doi: 10.1109/ICCIA52082.2021.9403583.

23. Akdemir, H., Alaybeyoğlu, A., **Danandeh Mehr, A.** (2020) A New Perspective to Design Phase of Water Supply Systems from Aspect of Water Demand Using Fuzzy Automation. International Conference on Intelligent and Fuzzy Systems, Izmir, Turkey.

22. **Danandeh Mehr, A.**, Sorman, A. U., Safari, M.J.S. (2019). Meteorological Drought Analysis at North-Western Ankara. The 1st International and 4th National Congress on Iranian Irrigation and Drainage, 13-14 November 2019, Urmia, Iran (received the best oral presentation award).

21. **Danandeh Mehr, A.** (2019). Modern soft computing techniques and their applications in civil engineering. 12th International Scientific Conference on Production Engineering (Development and Modernization of Production) 18-20 September 2019, Sarajevo, Bosnia and Herzegovina

20. **Danandeh Mehr, A.**, Farrokh Ghatte (2019). Treated wastewater for concrete mixing; a comparative study between ASTM and Turkish standards. 12th International Scientific Conference on Production Engineering (Development and Modernization of Production) 18-20 September 2019, Sarajevo, Bosnia and Herzegovina

19. Taş E., Ağırlioğlu N., **Danandeh Mehr, A.**, Tür, R. (2019). A brief review of experimental friction loss studies for polyethylene pipes. 12th International Scientific Conference on Production Engineering (Development and Modernization of Production) 18-20 September 2019, Sarajevo, Bosnia and Herzegovina

18. Ağırlioğlu N., **A. Danandeh Mehr**, Ciftci M., Ö. Akdeğirmen (2019). Flood Wave Routing at Çamlıova Reservoir, Antalya, Turkey. 4th Eurasian Conference on Civil and Environmental Engineering (ECOC EE 2019) Conference 17-18 June 2019. Istanbul, Turkey.

17. Ağırlioğlu N., **A. Danandeh Mehr**, 2019. Principals of Planning and Realization of Greater Melen Water Supply Project, Turkey. 4th International conference on Civil and environmental Geology and Mining Engineering (ICOC EM 2018), 20-22 April 2019, Trabzon/ Turkey.

16. **Danandeh Mehr A.**, Bagheri F., Reşatoğlu R. (2019) A Genetic Programming Approach to Forecast Daily Electricity Demand. In: Aliev R., Kacprzyk J., Pedrycz W., Jamshidi M., Sadikoglu F. (eds) *13th International Conference on Theory and Application of Fuzzy Systems and Soft Computing — ICAFS-2018*. ICAFS 2018. Advances in Intelligent Systems and Computing, vol 896. Springer, Cham

15. Hrnjica, B., **A. Danandeh Mehr**, Behrem S., and N. Ağırlioğlu, 2018. Genetic Programming for Turbidity Prediction: Hourly and Monthly Scenario. International Symposium on Urban Water and Wastewater Management (UKSAY 2018), 25-27 October 2018, Denizli/ Turkey.

14. Ağırlioğlu N., **A. Danandeh Mehr**, Ö. Akdeğirmen, E. Taş, 2018. Cyprus Water Supply Project: Features and Outcomes. 13th International Congress on Advances in Civil Engineering (ACE 2018), 12-14 September 2018, Izmir/ Turkey.

13. **A. Danandeh Mehr**, 2018. Gene Expression Programming for Monthly Streamflow Forecasting at Intermittent Rivers. International Water and Environment Congress (SUÇEV 2018), March 22-24, Bursa, Turkey.
12. Şorman, A.Ü., **A. Danandeh Mehr**, S. J. Hadi, 2018. Study on spatial-temporal variations of Meteorological-Agricultural droughts in Turkey. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-3/W4, 483-490, GeoInformation for Disaster Management Conference (Gi4DM 2018), March 19-21 Istanbul, Turkey.
11. Kahya, E., **A. Danandeh Mehr**, Şen, O, Akçakay. A and M. Özger, 2016. A comparative study on the current and future design storms over Rize province, Turkey. 12th International Congress on Advances in Civil Engineering (ACE 2016), Istanbul, Turkey.
10. Kahya, E., **A. Danandeh Mehr**, D. Şen, O. and M. Özger, 2015. Climate Change Impacts on Extreme Rainfalls over Rize Province, Turkey. 10th International Congress on Civil Engineering, 5-7 May 2015 University of Tabriz, Tabriz, Iran.
9. Kahya, E., **A. Danandeh Mehr**, D. Bozkurt, M. Özger and D.Z. Şeker, 2014. Evaluation of the Performance of GCMs Driven RCM Outputs for Rainfall Prediction over Rize Catchment. 11th International Congress on Advances in Civil Engineering (ACE 2014), Istanbul, Turkey.
8. Uyumaz, A., **A. Danandeh Mehr**, and O. Şen, 2013. "River Morphology and Fluvial Processes". Bursa 3rd International Congress on Water. pp., 1094-1099., 22-24, Bursa, Turkey.
7. Taiebipour, M. and **A. Danandeh Mehr**. 2011, "Integrated Flood Plain Management Strategy for Kor River Basin In Iran". Abstract of the paper accepted to be presented at the 5th International Conference on Flood Management (ICFM5), Tokyo. Japan, 27-29 September 2011.
6. **Danandeh Mehr**, A. Jafari, G. Soltani, Sh. and M. Mohammadpour. 2011, "Iran's National Plan for River Training And Flood Fringe Determination". Abstract of the paper accepted to be presented at the International Conference on the Status and Future of the World's Large Rivers, Vienna. Austria. April 2011.
5. Sedighi K. **Danandeh Mehr A.**, and Zarghami M. 2011, "Flood Fringe Determination Based On Multi Criteria Weighting Method, Case Study: Ajichai River". Proceedings of 9th International Iranian civil engineering Congress, Isfahan University of Technology, Isfahan, Iran, (in Farsi).
4. **Danandeh Mehr**, A. Sarraf, B. S. and M. R. M. Tabatabai. 2010, "Genetic Programming Application in Stream Flow and Sediment Prediction". Proceedings of 10th Symposium on Stochastic Hydraulics & Fifth International Conference on Water Resources and Environment Research, Quebec City, Canada, 5th - 7th of July 2010
3. Jafari G. Norouzi S. and **A. Danandeh Mehr**. 2010, "Field Investigation about Performance of Constructed Groins in Ghezelozan River". Proceedings of 8th International River Engineering Conference, Shahid Chamran University, Ahvaz, Iran, 26-28 Jan, 2010 (in Farsi).
2. **Danandeh Mehr**, A. 2007, "Flood Control System Optimization Based on Risk Analysis in Floodplain". Proceedings of 7th International River Engineering Conference, Shahid Chamran University, Ahvaz, Iran, 13-14 Feb, 2007
1. **Danandeh Mehr**, A., M. M. Vanolia and M. R. M. Tabatabai. 2006. "Benefit-cost Analysis Was Applied to Provide an Explicit Economical Basis for Developing Integrated Floodplain Management Plans" Proceedings of 2nd International Conference on Hydrology and Watershed Management, JNTU, Hyderabad, INDIA 5th – 8th Des.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

4. Tur, R. Uzunsakal L, **Danandeh Mehr**, A. (2020). Coastline change determination using UAV technology: A case study along Konyaaltı coast, Antalya, Turkey. In Drones in Smart-Cities, Security and Performance (1st Edition). (pp. 123-140). Elsevier
3. Hrnjica, B., **Danandeh Mehr**, A. (2019). Energy Demand Forecasting Using Deep Learning. In Smart Cities, Performability, Cognition, & Security (pp. 71-103). Springer, Nature Switzerland AG.

2. Nourani, V., Molajou, A., Najafi, H., **Danandeh Mehr, A.** (2019). Emotional ANN (EANN): A New Generation of Neural Networks for Hydrological Modeling in IoT. In Artificial Intelligence in IoT (pp. 45-61). Springer, Cham.

1. Hrnjica, B., **A. Danandeh Mehr.** (2019). “*Optimized Genetic Programming Applications: Emerging Research and Opportunities*”. (pp. 1-310). Hershey, PA: IGI Global. doi: 10.4018/978-1-5225-6005-0

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

3. Imanshoar, F. Hassanzadeh Y., Alami, M.T. and **Danandeh Mehr, A** (2013) *Uncertainty analysis for determining density of deposits in dams' reservoirs*. Water and soil Science (Agricultural Science); 23(1):27-37.

2. **Danandeh Mehr, A.** and Tabatabai, M. R. M (2010) *Prediction of daily discharge trend of river flow based on genetic programming*. Journal of water and soil (Agricultural Science and Technology); 24(2): 325-333.

1. **Danandeh Mehr, A.** Oliaei, E. and Ghorbani M.A (2010) *Suspended sediment load prediction based on river discharge and genetic programming method*. Watershed Management Research (Pajouhesh-va-Sazandegi); 23(3(88)):44-54.

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

14. Özger, M., **A. Danandeh Mehr**, and E. Kahya, 2013. Bulanık Mantıkla Taşkın Risk Yönetimi: İran Mehranrood Nehri Örneği. Taşkın ve Heyelan Sempozyumu, 325-336.Trabzon, Türkiye.

13. **Danandeh Mehr, A.** and F. Imanshoar. 2013, “RESCDAM Method Application For Estimating Loss Of Life Caused By Dam Break (Case Study: Shahid Madani Dam, Iran)”. Proceedings of 5th national conference on Iran water resources management, Power and Water University of Technology, Tehran, Iran, February 2011.

12. **Danandeh Mehr, A.** Salimi, M., and Sh. Soltani. 2011, “Performance Evaluation of DLSRS Model In Quantitative Fringe Determination of Mountainous Rivers, Case Study, the Province Of Khorasan E Razavi”. Proceedings of 2nd Iranian national conference on applied researches in water resources, Ministry of Energy, Zanjan, Iran, 18th - 19th May 2011.

11. **Danandeh Mehr, A.** Jafari, G. and Sh. Soltani. 2011, “Investigation on Managerial and Legal Challenges in qualitative protection of Rivers”. Proceedings of Iranian national water congress with focus on clean water, Power and Water University of Technology, Tehran, Iran, 2nd – 3rd March 2011.

10. **Danandeh Mehr, A.** and Sh. Soltani. 2011, “Introducing and Evaluation of Iran's National Policy for Quantitative Protection of Rivers in Iran”. Proceedings of 4th Iran water resources management Conference, Amirkabir University of technology, Tehran, Iran, 3th - 4th May 2011.

9. Yaghoobi, A. **Danandeh Mehr, A.** and M. M. Vanolia. 2010, “Investigation of the Effect of Tidal Flows on the Floodway and Floodway Fringe Determination of Coastal Rivers”. Proceedings of 1st Iranian national congress on costal water resources management, Sari Agricultural Sciences and Natural Resources University, Sari, Iran, 8th - 9th Dec, 2010.

8. **Danandeh Mehr, A.** and Sh. Soltani. 2009. “Application of Artificial Intelligence on Daily Discharge Prediction”. Proceedings of 8th Iranian hydraulic Conference, Tehran University, Tehran, Iran, 14th - 15th Dec. 2009.

7. Jahangir, I. and **A. Danandeh Mehr** 2007 “Flood Damage Predicting before Flood Event”. Invited speaker, Runoff and urban floods management workshop. Shiraz, Iran. 16th-17th Oct.

6. **Danandeh Mehr, A.** 2007, “HEC-HMS Application on Kor River Floods Routing on Mollasadra Dam”. Proceedings of 1th hydraulic models in water engineering conference, Islamic Azad University, Marvdasht branch, Marvdasht, Iran, 2007

5. **Danandeh Mehr, A.,** M. M. Vanolia and M. R. M. Tabatabai. 2005. “Flood Control Structures Optimization in Urban Catchments”. Proceedings of 5th Iranian hydraulic conference, Shahid Bahonar University of Kerman, Kerman, Iran, 8th - 10th Nov.

4. **Danandeh Mehr, A.** Shishegar, M. and E. Malekabaslou. 2005. "Application of HEC-HMS in Flood Control of Tabriz River". Proceedings of 12th Students conference on civil engineering, Iran University of Science and Technology, Tehran, Iran, 21st - 23rd Dec.

3. **Danandeh Mehr, A.** 2004, "A Comparison of Structural Methods Used for the Control of Urban Floods and Selection of Optimal Structure". Proceedings of 11th students' conference on civil engineering, Hormozgan University, Bandar Abbas, Iran.

2. **Danandeh Mehr, A.** 2003. "HEC-RAS Application in Flood Damages Measurement". Proceedings of 4th Students seminar on civil engineering, Power and Water University of technology, Tehran, Iran, 2003

1. **Danandeh Mehr, A.** 2003. "Evaluation and Measurement of Flood Damages". Proceedings of 10th Civil Engineering Students Conference, Amir Kabir University of technology, Tehran, Iran, 21st - 23rd Oct. 2003

7.7. Diğer yayınlar

Tezler

2. **Danandeh Mehr, A.**, 2016: "*Climate change impacts on catchment-scale extreme rainfall variability*" Doktora tezi, İstanbul Teknik Üniversitesi (İTÜ), İstanbul, Türkiye.

1. **Danandeh Mehr, A.**, 2005: "*Optimization of Flood Control Structures in Urban Catchments*" Yüksek Lisans Tezi (Farsça), Power and Water University of Technology, Tehran, Iran.

Ulusal Kitap

6. Nourani, V. & **A. Danandeh Mehr**. 2011. "*Advanced Mathematics for Civil Engineers*". Javedankherad Publishers, ISBN 978 964 6030 75 6. (Farsça)

5. Niksefat, GH. R. & **A. Danandeh Mehr**. 2010. "*Principles of River Engineering*". Tehran Dibagran artistic and cultural institute, ISBN 978 964 354 996 1. (Farsça)

4. **Danandeh Mehr, A.** 2011. "*Hydraulics*". Tehran Dibagran artistic and cultural institute, First edition 2008. ISBN 978 964 354 924 4. (Republished in 2014) (Farsça)

3. **Danandeh Mehr, A.** 2005, "*Mechanics of Fluids and Open Channel Hydraulics (Test Book)*". Published by Tehran Dibagran artistic and cultural institute, 2005, ISBN 964 354 631 4. (Farsça)

2. Mousavi Nadushani. S. and **A. Danandeh Mehr** "*Hydrologic Modelling System (HEC-HMS)*". 2005, published by Tehran Dibagran artistic and cultural institute, 2005, ISBN 964 354 554 7. (Farsça)

1. Vafaipoor, R. & **A. Danandeh Mehr**. 2003, "*Fluid Mechanics-Teaching and Testing*". Published by Elmiran, 2003, ISBN 964 6531 30 X. (Republished in 2005, 2006 and 2008) (Farsça)

Diğer

2. **Danandeh Mehr, A.** Jafari G. and Soltani, S. (2010) *Quantitative floodway fringe determination of rivers via multiple attribute decision making and subjective rating methods*. Research Bulletin pp. 90-95. Iran Water Resource Management Company. Iran.

1. **Danandeh Mehr, A.**, Jaidari S. and Soltani, S. (2009) *Impact of Mollasadra Dam on Kor River floods*. Magazine of Payam e nirroo (170) 64-69. Ministry of Energy. Iran.

8. Projeler

8.1. Araştırma Projeleri:

3. Lisans öğrencileri bitirme projesi, TÜBİTAK 2209/A programı: Antalya Lara Atık su arıtma tesisinden elde edilen

su ile Beton Yapılması, - (2019).

2. Kahya, E. Özger, M., **Danandeh Mehr, A.** ve diğ., 2012-2015: Rize il sınırlarında bulunan su havzalarının taşkın risk tayini: İklim ve hidrolojik modellere göre mevcut ve gelecekteki durum, ÇAYDAG 112Y204 nolu TÜBİTAK Projesi.

1. Aidi, Z., **Danandeh Mehr, A.** Darvishi E. Niksokhan MH. 2012-2013. Development of DLSRS model for flood fringe determination using regional estimation of 25-year discharge. RIV6-90061 nolu İran Devlet Su İşleri Projesi.

8.2. Proje/Teknik Raporlar:

2. AKSA Kıyı Kirliliği Risk Analizi. İTÜ-KKTC AR-GE Projesi Teknik Rapor (2016)

1. Giresun Aksu Nehri Taşkın Analizi. İTÜ AR-GE Projesi Teknik Raporu (2014)

9. İdari Görevler

2020 - Devam	Müdür Yrd., Lisansüstü Eğitim Enstitüsü, Antalya Bilim Üniversitesi, Antalya, Türkiye.
2017 (Şubat-Eylül)	Bölüm Başkan Yrd., İnşaat Mühendisliği Bölümü, Yakın Doğu Üniversitesi, Lefkoşa, KKTC.
2014-2017	Yapı ve Teknik İşler Müdürü İstanbul Teknik Üniversitesi, İTÜ Kuzey Kıbrıs Kampüsü, Famagusta, KKTC.
2011-2012	Öğretim Görevlisi, Sürekli Eğitim Merkezi Power and Water University of Technology (PWUT), Tahran, İran
2010-2011	Öğretim Görevlisi, İnşaat Mühendisliği Bölümü Aghahan-Niroo Meslek yüksekokulu. Tahran, İran
2009-2012	Akarsu Mühendisi, Akarsular ve kıyı Mühendisliği Bölümü Devlet Su İşleri Genel Müdürlüğü, Tahran, İran
2005-2006	Öğretim görevlisi, İnşaat Önlisans Bölümü Islamic Azad University – SAMA College, Tebriz, İran
2003-2004	Öğretim Asistanı, Su Mühendisliği Bölümü Power and Water University of Technology (PWUT), Tahran, İran

10. Bilimsel ve Mesleki Kuruluşlara Üyelikleri

11. Ödüller

2019	Mühendislik Alanında En iyi %2 Bilim Adamı (Top 2% Scientist-Scopus)
2019	En iyi bildiri sunumu ödülü (1. Uluslararası ve 4. Ulusal İran drenaj ve sulama Kongresi, Urmia Üniversitesi, İran)
2019	En başarılı Araştırmacı ödülü (Antalya Bilim Üniversitesi)
2018	En başarılı Araştırmacı ödülü (Antalya Bilim Üniversitesi)
2017	Genç Araştırmacı ödülü (Yakın Doğu Üniversitesi)
2017	Publons Peer Review ödülü
2016	En başarılı doktora tezi ödülü (İstanbul Teknik Üniversitesi)
2010	Sel yatağı saçak belirleme süreci patent (Şirketler ve Endüstri Mülkiyet Tescil Genel Dairesi, İran)
2004	En başarılı bildiri ödülü (11. İnşaat Mühendisliği Örençileri konferansında 3. rank, İran)

12. Son iki yılda verdiği lisans ve lisansüstü düzeyindeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2018-2019	Güz	Case studies in Civil Eng.	4		22
2018-2019	Güz	Fluid Mechanics	4	1	87
2018-2019	Güz	Akarsu Mühendisliği (YL)	3	-	3
2018-2019	İlkbahar	Environmental Engineering	4		35
2018-2019	İlkbahar	Hydraulic Engineering	4		42
2018-2019	Yaz	Fluid Mechanics	4	1	24
2019-2020	Güz	Case studies in Civil Eng.	3		8
2019-2020	Güz	Fluid Mechanics	3	1	81
2019-2020	Güz	Hydrology	3		40
2019-2020	İlkbahar	Hydraulic Engineering	3		80
2019-2020	İlkbahar	Environmental Engineering	3		8
2019-2020	Yaz	Fluid Mechanics	3	1	15
2019-2020	Yaz	Hydraulic Engineering	3		19
2020-2021	Güz	Fluid Mechanics	3	1	45
2020-2021	Güz	Hydrology	3		59
2020-2021	Güz	River Engineering (YL)	3		2
2020-2021	Güz	Scientific Research Techniques and Ethics (YL)	3		8

13. Diğer verdiği/verebileceği dersler

Water Resources Engineering, Advanced Hydrology (YL), Special Topics in Hydrology (Ph.D.). Soft computing in Civil Engineering (YL)