

AKADEMİK ÖZGEÇMİŞ**1. Adı Soyadı:** Hüseyin Gökçekuş**2. Unvanı:** Profesör**3. Öğrenim Durumu:**

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Jeoloji Mühendisliği Bölümü	Ankara Üniversitesi	1982
Y. Lisans	Jeoloji Mühendisliği Bölümü/ Hidrojeoloji	Ankara Üniversitesi	1984
Doktora	Jeoloji Mühendisliği Bölümü/ Hidrojeoloji	Orta Doğu Teknik Üniversitesi	1990

4. Yüksek Lisans / Doktora Tezi**4.1. Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:**

Hydrogeology of Western Konya Plain and Interpretation of Groundwater Level Fluctuations
(Prof. Dr. Vedat Doyuran)

4.2. Doktora Tezi/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı:

Hydro-geological and Hydro-geochemical Evaluation of the Güzelyurt Groundwater Basin-
TRNC (Prof. Dr. Vedat Doyuran)

5. Akademik Unvanlar:

Yardımcı doçentlik tarihi: 01 Mart 1992

Doçentlik tarihi: 28 Ekim 1994

Profesörlük tarihi: 03 Aralık 2001

6. Yönetilen Yüksek Lisans ve Doktora Tezleri:**6.1. Yüksek lisans tezleri**

- Aldubai, S. Y. M. S. (2018). Effect Of Quarry Dust Enhancement Of Volume Change Characteristics Of Expensive Clays
- Ghith, S. A. S. M. (2018). The Role Of Private Sector For Building Urban Resilience

- Negewo, Y. E. (2019). ANN Prediction Of Unconfined Compressive Strength Development Of Cement Mortar
- Abdulhadi, N. (2019). The Challenges Of Sustainable Construction In Syria As A Case Study
- Al Zoubi, R. (2019). Rooftop Building Renewable Power System at Three Regions in North Cyprus.
- Shama, H., (2019). Analysis of Different Combination of Meteorological Wind Speed with Different Predictive Tool's A Case Study.
- Al Falah ,M. (2019). Modeling Of Wind Potential And Designing A Savonius Vertical Axis Wind Turbine For Urban Environment: Numerical, Experimental Study, And Economic Analysis.
- Mekonnen, Y. (2019). Assessments Of Urban Domestic Water Supply Challenges In Injibara Town, Ethiopia.
- Hadji, N. (2019). Evaluation of Solar Energy Potential in Ethiopia as Power Generation Source: A case Study at 100 Selected Cities.
- Aljamal, J. (2020). Modeling And Forecasting of Monthly Rainfall Using Mathematical Models and Machine Learning Models: A Case Study In Morphou, Northern Cyprus
- Alijl, N. A. (2020). Flash Flood Risk Assessment Based On Historical Measured and Satellite Daily Rainfall Data: Kyrenia Region, Northern Cyprus
- Kakil, A. K. (2020). The Sequencing Batch Process For The Removal Of Organic Carbon And Nutrients
- Tofighi, R. J. (2021). Forecasting Megacity Pollutants Using Classics and Emotional Artificial Neural Networks
- Yunusa, N. (2021). Exploring solar and wind energy as a alternative power source for solving the electricity crisis in Nigeria
- Gökçekuş, R. (2021). Modeling predictive suitability to estimate the potential of wind and solar energy to power water desalination units in Güzelyurt region, Northern Cyprus
- Tawalbeh, M. (2022). Geospatial of Solar And Wind Energy Potential Assessment in Cyprus
- Abdalsamad, T. A. (2022). Statistical and Machine Learning Techniques Applied to The Prediction of Total Rainfall In Urban Cities, Northern Part of Iraq
- Mphinyane, L. P. (2022). Analyzing How Hydro-Climatological Parameters Affect Water Level Using Machine Learning Models – Gaborone Dam, Botswana
- Yarkpawolo Jr, S. (2022). Identification of The Most Suitable Probability Distribution Models for Daily And Monthly Rainfall Series in Liberia
- Yusuf, A. M. (2022). Correcting and Modeling Monthly Rainfall Based on Climate Parameters: Case Study of Somalia
- Furaijy, Q. A. S. (2022) Architectural Integration of Photovoltaic Into Resedintial Buidlings Towrds Urban Sustainability: Case of Iraq

6.2. Doktora tezleri

- Alas, M. (2021). The Performance Characteristics of Polymer Nanocomposite Modified Binders and Asphalt Mixtures
- Uwanuakwa, I. (2021). Investigation on the Perfomance of Polymer Modified Asphalt Binder
- Umar, I. U. (28-1-2022). Artificial intelligence based models for prediction of vehicular traffic noise
- Yahya, M. N. (11-03-2022). Ammonia Recovery From Wastewater Containing Urea Using An Enzyme Membrane Reactor (EMR)
- Alrahmman, M. A. (29-04-2022). Public Private Partnership (PPP) In Construction Project's: Critical Success Factors (CSF) And The Development of A Practical Framework For Selecting The Optical Risk Assessment Factors

- Güvensoy, A. (30-05-2022). Identification of the Solar Energy Potential as a Driver of Sustainable Development in Northern Cyprus using BIM and Techno-economic Modeling
- Alothman, D. (17-06-2022). Evaluation Of The Performance Characteristics Of Asphalt Binders And Mixtures Containing Warm Additive Modified With Nano-Silica
- Kebede, G., G. (24-06-2022). Hybrid Physical-Artificial Intelligence-Based Modeling For Rainfall-Runoff-Sediment Process, Case of Katar Catchment, Ethiopia
- Lafamo, T. G. (24-06-2022). Ensemble Rainfall Ensemble Runoff Modeling Using Rain Gauge And Satellite-Based Data, Case of Gilgel Abay, Ethiopia
- Abazid, M. (15-12-2022). Implementation of Total Quality Management and the Integration of Building Information Modeling in the Construction Management Sector in Saudi Arabia.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI, SSCI, Arts and Humanities)

- Nourani, V., Baghanam, A. H., &Gokcekus, H. (2018). Data-driven ensemble model to statistically downscale rainfall using nonlinear predictor screening approach. *Journal of Hydrology*, 565, 538-551. doi:10.1016/j.jhydrol.2018.08.049.
- Gökçekus, H., Iravanian, A., Türker, U., Oguz, G., Sözen, S., &Orhon, D. (2018). Massive freshwater transport: A new dimension for integrated water-wastewater management in North Cyprus. *Desalination and Water Treatment*, 132, 215-225. doi:10.5004/dwt.2018.23135.
- Gökçekuş, H., Yahya, M.N., Paul, P., & Orhon, D. (2019). Experimental basis of an emergency filtration system treating river flood water for rural areas in developing countries. *Desalination and Water Treatment*, 152, 133-138. Doi:10.5004/dwt.2019.23982
- Insel, G., Sözen, S., Yucel, A. B., Gökçekuş, H., &Orhon, D. (2019). Assessment of anoxic volume ratio based on hydrolysis kinetics for effective nitrogen removal: model evaluation. *Journal of Chemical Technology & Biotechnology*, 94(6), 1739-1751. Doi:10.1002/jctb.5935
- Sharghi, E., Nourani, V., Najafi, H., &Gokcekus, H. (2019). Conjunction of a newly proposed emotional ANN (EANN) and wavelet transform for suspended sediment load modeling. *Water Supply*, 19(6), 1726-1734. Doi:10.2166/ws.2019.044
- Nourani, V., Davanlou Tajbakhsh, A., Molajou, A., &Gokcekus, H. (2019). Hybrid Wavelet-M5 Model Tree for Rainfall-Runoff Modeling. *Journal of Hydrologic Engineering*, 24(5), 04019012. doi:10.1061/(asce)he.1943-5584.0001777.
- Sharghi, E., Nourani, V., AliAshrafi, A., &Gokcekus, H. (2019). Monitoring effluent quality of wastewater treatment plant by clustering based artificial neural network method. *Desalination and Water Treatment*, 164, 86-97.doi:10.5004/dwt.2019.24385
- Aşıksoy, G., Isa, N. A., & Gökçekuş, H. (2020). The role of mass media and level of education in spreading Environmental sustainability awareness in developing countries. *Desalination And Water Treatment*, 177, 237-241. doi:10.5004/dwt.2020.24833
- Yahya, M. N., Gökçekuş, H., Ozsahin, D. U., & Uzun, B. (2020). Evaluation of wastewater treatment technologies using TOPSIS. *Desalination And Water Treatment*, 177, 416-422. doi:10.5004/dwt.2020.25172
- Nourani, V., Gökçekuş, H., Umar, I. K., & Najafi, H. (2020). An emotional artificial neural network for prediction of vehicular traffic noise. *Science of The Total Environment*, 707, 136134. doi:10.1016/j.scitotenv.2019.136134
- Nourani, V., Gökçekuş, H., & Umar, I. K. (2020). Artificial intelligence based ensemble model for prediction of vehicular traffic noise. *Environmental Research*, 180, 108852. doi:10.1016/j.envres.2019.108852
- Kassem, Y., & Gökçekuş, H. (2020). Water resources and rainfall distribution function: A case study in Lebanon. *Desalination And Water Treatment*, 177, 306-321. doi:10.5004/dwt.2020.24811
- Gökçekuş, H., Orhon, D., Kebede, G. G., Abate, B., Narayanan, K., & Sözen, S. (2020). Management strategy for safe drinking water in developing countries – A case study for Assela, Ethiopia. *Desalination And Water Treatment*, 177, 322-329. doi:10.5004/dwt.2020.25225

- Gökçekuş, H., Kıral, E., Kıral, G., Eini, N., & Uzun, B. (2020). Analysis and prediction of annual precipitation values in Cyprus. *Desalination And Water Treatment*, 177, 275-282. doi:10.5004/dwt.2020.25088
- Gökçekuş, H., Kassem, Y., & Aljamal, J. (2020). Analysis of different combinations of meteorological parameters in predicting rainfall with an ANN approach: A case study in Morphou, Northern Cyprus. *Desalination And Water Treatment*, 177, 350-362. doi:10.5004/dwt.2020.24988
- Gökçekuş, H., Orhon, D., Oğuz, G., Yücel, A., & Sözen, S. (2020). Integrated water and wastewater management strategy in North Cyprus – basis for an action plan. *Desalination And Water Treatment*, 177, 384-392. doi:10.5004/dwt.2020.25019
- Gokcekus, H., Ozsahin, D. U., & Mustapha, M. T. (2020). Simulation and evaluation of water sterilization devices. *Desalination And Water Treatment*, 177, 431-436. doi:10.5004/dwt.2020.25115
- Gichamo, T., Gökçekuş, H., Ozsahin, D. U., Gelete, G., & Uzun, B. (2020). Evaluation of different natural wastewater treatment alternatives by fuzzy PROMETHEE method. *Desalination And Water Treatment*, 177, 400-407. doi:10.5004/dwt.2020.25049
- Gelete, G., Gokcekus, H., Ozsahin, D. U., Uzun, B., & Gichamo, T. (2020). Evaluating disinfection techniques of water treatment. *Desalination And Water Treatment*, 177, 408-415. doi:10.5004/dwt.2020.25070
- Elkiran, G., Dahiru, A., & Gokcekus, H. (2020). Water resources management and trend of water use in North Cyprus. *Desalination And Water Treatment*, 177, 264-274. doi:10.5004/dwt.2020.25021
- Başaran, S. T., Gökçekuş, H., Orhon, D., & Sözen, S. (2020). Autonomous desalination for improving resilience and sustainability of water management in North Cyprus. *Desalination And Water Treatment*, 177, 283-289. doi:10.5004/dwt.2020.25090
- Gökçekuş, H. (2020). 2nd International Conference on Water Problems in the Mediterranean Countries (WPMC), 6–10 May 2019, Lefkoşa, Turkish Republic of Northern Cyprus - Editorial. *Desalination And Water Treatment*, 177, 236-236. doi:10.5004/dwt.2020.25232
- Kassem, Y., & Gökçekuş, H. (2021). Do Quadratic and Poisson Regression Models help to predict monthly rainfall? *Desalination and Water Treatment*. doi: 10.5004/dwt.2020.26397
- Kassem, Y., Gökçekuş, H., Çamur, H., Esenel, E. (2021). Application of Artificial Neural Network, Multiple Linear Regression, and Response Surface Regression Models in the Estimation of Monthly Rainfall in Northern Cyprus. *Desalination and Water Treatment*. doi:10.5004/dwt.2020.26525
- Kassem, Y., Gökçekuş, H., Çamur, H., & Esenel, E. (2021). Statistical analysis and determination of best-fit probability distribution for monthly rainfall in Northern Cyprus. *Desalination and Water Treatment*. doi: 10.5004/dwt.2020.26556
- Yahya, M. N., Umar, I.K., Ibrahim, A., & Gokcekus, H. (2021). Water Quality Evaluation of some Boreholes and Dug Wells in Kano-Nigeria. *Desalination and Water Treatment*. doi: 10.5004/dwt.2021.26819
- Gebre Gelete; Huseyin Gokcekus; Tagesse Gichamo (2021). Impact of Climate change on the hydrology of Blue Nile basin, Ethiopia: A review, *Journal of Water and Climate Change*, 11(4), 1539–1550. <https://doi.org/10.2166/wcc.2019.014>
- Cıggin, A.S., Ozcan, O.O., Gökçekuş, H., Orhon, D. (2021). Effect of Fenton oxidation on the toxicity of carpet manufacturing effluents, *Desalination and Water Treatment*, doi.:10.5004/dwt.2020.26394
- Gökçekuş, H., Orhon, D., Sözen, S., Kalil, A. K.K., Aslanova, F. (2021). Anatomy of sequencing batch process for organic carbon removal from sewage with seasonal flow variations. *Desalination and Water Treatment*. doi: 10.5004/dwt.2020.26283
- Kassem, Y., Gökçekuş, H., & Gökçekuş, R. (2021). Identification of the Most Suitable Probability Distribution Models for Monthly and Annual Rainfall Series in Güzelyurt Region, Northern Cyprus. *Desalination and Water Treatment*.doi: 10.5004/dwt.2021.26904

- Abazid, M., Gökçekuş, H., & Çelik, T. (2021). Implementation of TQM and the Integration of BIM in the Construction Management Sector in Saudi Arabia. *Advances in Materials Science and Engineering*, 2021.
- ALMuhisen, M., Gökçekuş, H. & Çelik, T. (2021). Developing an AHP Risk Assessment Model for PPP Projects in Jordan Abstract. *Journal of Engineering Research*. <https://doi.org/10.36909/jer.10543>
- Gokcekus, H., Ozsahin, D. U., Eini, N., Uzun, B. (2021). Evaluating and Selecting the Best Domestic Water Standards. *Desalination and Water Treatment*. Doi: 10.5004/dwt.2021.26561
- Umar, I. K., Nourani, V., & Gökçekuş, H. (2021). A novel multi-model data-driven ensemble approach for the prediction of particulate matter concentration. *Environmental Science and Pollution Research*, 1-15. <https://doi.org/10.1007/s11356-021-14133-9>
- Nourani, V., Gökçekuş, H., & Gichamo, T. (2021). Ensemble data-driven rainfall-runoff modeling using multi-source satellite and gauge rainfall data input fusion. *Earth Science Informatics*, 1-22. <https://doi.org/10.1007/s12145-021-00615-4>
- Sözen, S., Yüzer, E., Duba, S., Gökçekuş, H., Dogru, A. O., Senel, G., ... & Orhon, D. (2021). Water management for Istanbul: collapse or survival. *Environmental Earth Sciences*, 80(7), 1-16. <https://doi.org/10.1007/s12665-021-09563-0>
- Kassem, Y., Gökçekuş, H., & Maliha, M. R. (2021). Identifying most influencing input parameters for predicting chloride concentration in groundwater using an ANN approach. *Environmental Earth Sciences*, 80(7), 1-16. <https://doi.org/10.1007/s12665-021-09541-6>
- Yahya, M. N., Gökçekuş, H., Orhon, D., Keskinler, B., Karagunduz, A., & Omwene, P. I. (2021). A Study on the Hydrolysis of Urea Contained in Wastewater and Continuous Recovery of Ammonia by an Enzymatic Membrane Reactor. *Processes*, 9(10), 1703. <https://doi.org/10.3390/pr9101703>
- Yahya, M. N., Umar, I. K., Ibrahim, A., & Gokcekus, H. (2021). Water quality evaluation of some boreholes and dug-wells in Dorayi, Kano-Nigeria. *Desalination and Water Treatment*, 215, 398-404. doi: 10.5004/dwt.2021.26819
- Gokcekus, H., Orhon, D., Duba, S., Kakil, A. K., Aslanova, F., & Sozen, S. (2021). Anatomy of the sequencing batch process for organic carbon removal from sewage with seasonal flow variations. *Desalination And Water Treatment*, 215, 259-267. doi: 10.5004/dwt.2021.26283
- Nourani, V., Gokcekus, H., & Gelete, G. (2021). Estimation of Suspended Sediment Load Using Artificial Intelligence-Based Ensemble Model. *Complexity*, 2021. <https://doi.org/10.1155/2021/6633760>
- Kassem, Y., Gökçekuş, H., & Güvensoy, A. (2021). Techno-Economic Feasibility of Grid-Connected Solar PV System at Near East University Hospital, Northern Cyprus. *Energies*, 14(22), 7627. <https://doi.org/10.3390/en14227627>
- Gichamo, T., Abate, B., Esimo, F., Gokcekus, H., & Gelete, G. (2022). Analysis of water balance and hydrodynamics of the Lake Beseka, Ethiopia. *Journal of Water and Climate Change*.
- Iravanian, A., Kassem, Y., & Gökçekuş, H. (2022). Stress–strain behavior of modified expansive clay soil: experimental measurements and prediction models. *Environmental Earth Sciences*, 81(4), 1-17.
- Mustafa, A. L. A. S., Albrka, A., & Gökçekuş, H. (2022). The High Temperature Performance Evaluation of Polymer/Nanocomposite Modified Asphalt Cement. *Teknik Dergi*, 33(4).
- Gichamo, T., Abate, B., Esimo, F., Gokcekus, H., & Gelete, G. (2022). Analysis of water balance and hydrodynamics of Lake Beseka, Ethiopia. *Journal of Water and Climate Change*, 13(5), 2034-2047.
- Umar, I. K., Gökçekuş, H., & Nourani, V. (2022). An intelligent soft computing technique for prediction of vehicular traffic noise. *Arabian Journal of Geosciences*, 15(19), 1-13.
- Ali, S. I. A., Alothman, D., & Gökçekuş, H. (2023). Rheological Performance of ZycoTherm/Nano-Silica Composite Modified Binders at High and Low Temperatures. *Turkish Journal of Civil Engineering*, 34(2), 77-102.
- Kassem, Y., Gökçekuş, H., & Mosbah, A. A. S. (2023). Prediction of monthly

precipitation using various artificial models and comparison with mathematical models. *Environmental Science and Pollution Research*, 1-27.

- Umar, I. K., Nourani, V., Gökçekuş, H., & Abba, S. I. (2023). An intelligent hybridized computing technique for the prediction of roadway traffic noise in urban environment. *Soft Computing*, 1-19.
- Gökçekuş, H., & Bolouri, F. (2023). Transboundary Waters and Their Status in Today's Water-Scarce World. *Sustainability*, 15(5), 4234.
- Gelete, G., Nourani, V., Gokcekus, H., & Gichamo, T. (2023). Ensemble physically based semi-distributed models for the rainfall-runoff process modeling in the data-scarce Katar catchment, Ethiopia. *Journal of Hydroinformatics*.
- Ünlüyol, D., Gökçekuş, H., Kassem, Y., Tezer, M., Meriçli, F., & Yavuz, D. Ö. (2023). Complementary and Alternative Medicines in Northern Cyprus: Public Awareness, Patterns of Use, and Attitudes. In *Healthcare* (Vol. 11, No. 7, p. 977). MDPI.
- Gelete, G., Nourani, V., Gokcekus, H., & Gichamo, T. (2023). Physical and artificial intelligence-based hybrid models for rainfall-runoff-sediment process modelling. *Hydrological Sciences Journal*, (just-accepted).
- Kassem, Y., Gökçekuş, H., & Alijl, N. (2023). Gridded Precipitation Datasets and Gauge Precipitation Products for Driving Hydrological Models in the Dead Sea Region, Jordan. *Sustainability*, 15(15), 11965.
- Gelete, G., Nourani, V., Gokcekus, H., & Gichamo, T. (2023). Physical and artificial intelligence-based hybrid models for rainfall-runoff-sediment process modelling. *Hydrological Sciences Journal*, 1-23.
- Lagili, H. S. A., Kiraz, A., Kassem, Y., & Gökçekuş, H. (2023). Wind and Solar Energy for Sustainable Energy Production for Family Farms in Coastal Agricultural Regions of Libya Using Measured and Multiple Satellite Datasets. *Energies*, 16(18), 6725.
- Ababakr, F. A., Ahmed, K. O., Amini, A., Karami Moghadam, M., & Gökçekuş, H. (2023). Spatio-temporal variations of groundwater quality index using geostatistical methods and GIS. *Applied Water Science*, 13(10), 206.
- Baghanam, A. H., Nourani, V, Norouzi E, Vakili AT, & Gökçekuş H. (2023). Application of Wavelet Transform for Bias Correction and Predictor Screening of Climate Data. *Sustainability*, 15(21):15209.
- Kassem, Y., Gökçekuş, H., & Abdalla, M. H. A. (2023). Wind energy resource assessment based on the use of multiple satellite data for sustainable energy production in Sudan. *Environment, Development and Sustainability*, 1-37.
- Uмба, L. N., Amir, I. Y., Gelete, G., Gökçekuş, H., & Uwanuakwa, I. (2023). Artificial hummingbird algorithm-optimized boosted tree for improved rainfall-runoff modelling. *Journal of Hydroinformatics*, jh2023187.

7.2. Uluslararası hakemli dergilerde yayınlanan makaleler (ESCI)

- Aslanova, F., Gökçekuş, H., Baştaş, M., & Mohamed, J. (2018) Perception of Environmental Awareness by Administrators and Teachers in Secondary Schools. *Modern Journal of Language Teaching Methods*, 662-677. <https://doi.org/10.1080/09720073.2016.1189193412002/469>.
- Kassem, Y. Gökçekuş, H. & Çamur, H. (2018). Economic assessment of renewable power generation based on wind speed and solar radiation in urban regions. *Global J. Environ. Sci. Manage.*, 4(4),465-482.
- Shawakha, A., Gökçekuş, H., & Kassem, Y. (2018). The Cause, Effect, and Possible Solution to Traffic Congestion on North Nicosia Roads, Cyprus: Experimental and Theoretical Approaches1-41(*Indian Journal of Science and Technology*, 11 .doi:10.17485/ijst/2018/v11i41/132020.18
- Kassem, Y., Gökçekuş, H., & Zeitoun, M. (2019). Modeling of techno-economic assessment on wind energy potential at three selected coastal regions in Lebanon. *Modeling Earth Systems and Environment*. 5, 1037–1049.doi:10.1007/540808-019-00589-9.

- Kassem, Y., Al Zoubi, R., & Gökçekuş, H. (2019). The Possibility of Generating Electricity Using Small-Scale Wind Turbines and Solar Photovoltaic Systems for Households in Northern Cyprus: A Comparative Study. *Environments*, 6(4), 47. doi:3390/Environments6040047
- Umar, I. K., & Gokcekus, H. (2019). Modelling severity of road traffic accident in Nigeria using artificial neural network. *Jurnal Kejuruteraan*, 32(2), 221–227. [https://doi.org/10.17576/jkukm-2019-31\(2\)-221-228](https://doi.org/10.17576/jkukm-2019-31(2)-221-228).
- Aslanova, F., Gökçekuş, H., & Alhadl, I. (2019). Attitudes and Behaviors Of the University Students With Different Nationalities Towards The Use Of Renewable Energy. *International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies*. doi:10.14456/ITJEMAST.2019.62
- Aslanova, F., & Gokcekus, H. (2019). Foreign Nationals Perspectives about Climate Change Impacts On The Environment. *ORBIS*, 14(42), 5-14.
- Kassem, Y., Gökçekuş, H., & Çamur, H. (2019). Analysis of Prediction Models for Wind Power Density, Case Study: Ercan Area, Northern Cyprus. 13th International Conference on Theory and Application of Fuzzy Systems and Soft Computing — ICAFS-2018 Advances in Intelligent Systems and Computing, 99-106. Doi:10.1007/978-3-030-04164-9_16
- Kassem, Y., Gökçekuş, H., & Çamur, H. (2019). Wind Speed Prediction of Four Regions in Northern Cyprus Prediction Using ARIMA and Artificial Neural Networks Models: A Comparison Study. 13th International Conference on Theory and Application of Fuzzy Systems and Soft Computing — ICAFS-2018 Advances in Intelligent Systems and Computing, 230-238. doi:10.1007/978-3-0-030-04164-9_32
- Kassem, Y., Gökçekuş, H., & Zeitoun, M. (2019). Modeling of techno-economic assessment on wind energy potential at three selected coastal regions in Lebanon. *Modeling Earth Systems and Environment*. 5, 1037–1049. doi:10.1007/540808-019-00589-9.
- Filitoglu, U. B., Onur, Z. & Gökçekuş, H. (2020). Use of Photovoltaic Systems in Buildings - Sample Design on the Office Building Roof in Dortyol District of Hatay. *Bioscience Biotechnology Research Communications*, 13(15), 115-125
- Yahya, M., Gökçekuş, H., & Ozsahin, D. U. (2020). Comparative Analysis of Wastewater Treatment Technologies. *Jurnal Kejuruteraan*, 32(2), 221-230.
- Angın, M., Çubukçuoğlu, B., & Gökçekuş, H. (2020). Case Studies on the Impacts of Climate Change on Historical Buildings in Northern Cyprus. *International Journal of Built Environment and Sustainability*, 7(1), 57-65. doi:10.11113/ijbes.v7.n1.432
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- Kassem, Y., Gökçekuş, H., & Janbein, W. (2021). Predictive model and assessment of the potential for wind and solar power in Rayak region, Lebanon. *Modeling Earth Systems and Environment*. doi:10.1007/s40808-020-00866-y
- Jafariroodsari, S., Nourani, V., & Gokçekuş, H. (2021). Investigating sea-level change on the coastal aquifer, case study: Jafakendeh aquifer. *Modeling Earth Systems and Environment*. doi:10.1007/s40808-020-01043-x
- Kassem, Y., Gökçekuş, H., & Rizza, T. (2022). Groundwater Quality Assessment Based on Water Quality Index in Northern Cyprus. *Engineering, Technology & Applied Science Research*, 12(2), 8435-8443.
- Kassem, Y., Gökçekuş, H., & Alassi, E. (2022). Identifying most influencing input parameters for predicting Cereal production using an artificial neural network model. *Modeling Earth Systems and Environment*, 8(1), 1157-1170.
- Kassem, Y., Gökçekuş, H., & Alijl, N. (2022). Flash Flood Risk Assessment for Girne Region, Northern Cyprus. *Engineering, Technology & Applied Science Research*, 12(3), 8728-8737.
- Kassem, Y., Gökçekuş, H., Iravanian, A. & Gökçekuş, R. (2022). Predictive Suitability of Renewable Energy for Desalination Plants: The Case of Güzelyurt Region in Northern Cyprus. *Modeling Earth Systems and Environment*. <https://doi.org/10.1007/s40808-021-01315-0>

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8. Sanat ve Tasarım Etkinlikleri

9. Projeler

- “Assessment of Pesticide Remains in Groundwater and Surface Water”, TRNC, 1994.
- U.S. Agency for International Development (AID), Cyprus Geological Survey Department (CGSD), Near East University (NEU), U.S. Geological Survey (USGS), University of Vermont, Brooklyn College and Yale University, “Environmental Assessment of Abandoned Mine site, Aquifer, and Adjacent lands in Cyprus” 1995 (Bi Communal Project)
- “Earthquake Hazard Assessment of the Nicosia Area (A necessary tool for risk management)”, USGS project, 17 November 1997
- “Seismic Risk Prevention and Management in Urban Areas”, ECDGX II Project, 30 April 1999
- “Seismic Hazard Assessment of the Broader Urban Area of Nicosia Town”, UNOPS Project, October 1999
- “Çevresel Faktörlerin Deniz Kaplumbağaları Üzerindeki Etkisi” konulu TUBİTAK Projesi, Proje Kodu: YDAPÇAG-25/G 17 Mayıs 1995
- "Kuzey Kıbrıs Türk Cumhuriyeti'nde su master planının hazırlanabilmesi için gerek duyulan KKTC'nin mevcut su kaynaklarının tesbiti ile ilgili veri (Data) toplama işlemlerinin nasıl bir yöntemle yapılabileceği hususundaki proje", İnşaat Mühendisliği Bölümü, YDÜ - Lefkoşa, Haziran 1995
- “Kıbrıs Çevre Master Planı”, İstanbul Teknik Üniversitesi, Çevre Mühendisliği Bölümü, KKTC Sağlık ve Çevre Bakanlığı, Çevre Dairesi, Yakın Doğu Üniversitesi, İnşaat Mühendisliği Bölümü, 1998
- “T.C Bayındırlık ve İskan Bakanlığı Karayolları Müdürlüğü, Ercan Hava Alanı Yolu ve Lefkoşa- G. Mağusa Yolu Mühendislik Hizmetleri İşi”, Eylül 1998
- "Yakın Doğu Kent Çevresel Etki Değerlendirme Raporu", YDÜ-Lefkoşa, Aralık 1998
- “KKTC (Doğu Akdeniz) Örneğinde Denizaltı Su Kaynaklarının Oluşum Ve Boşalım Özelliklerinin Araştırılması Yararlanma Olanaklarının Değerlendirilmesi”, İstanbul Teknik Üniversitesi-Yakın Doğu Üniversitesi, Şubat 1999
- "KKTC 4. Beş Yıllık Kalkınma Planı Su Özel İhtisas Komisyonu Raporu", KKTC İçişleri Ve Köy İşleri Bakanlığı, Lefkoşa, KKTC, Haziran 1999
- Remote sensing application in hydrology supporting Chinese government (Nanjing University supported by this Project), 2021 (three years Project).

10. İdari Görevler

Period	Enrollment
1992-2013	Member of the Senate, Near East University, Nicosia, Turkish Republic of Northern Cyprus (TRNC) Member of the Steering Committee and the Managing Board of Engineering Faculty, Near East University, Nicosia, TRNC Chairman of Civil Engineering Department, Near East University, Nicosia, TRNC
1993–1994	Chairman chamber of Mining Geological and Metallurgical Engineers Union and Member of the Management Committee of the Union of the Chamber of Cyprus Turkish Engineers and Architects
1993-2005	The University Registrar, Near East University, Nicosia, TRNC
1997-2013	Institute President, Near East University North Cyprus Earthquake Research Institute NEU, Nicosia, TRNC
1999- 2005	Member of Cyprus Turkish Molecular Biology Committee, Nicosia, TRNC
1999- 2000	Chairman, Gönyeli Construction Planning Commission Nicosia, TRNC

2000-2013	Chairman of the University Disciplinary Committee, Near East University, Nicosia, TRNC
2001-2013	Chairman of all the Universities Search and Rescue Association, Nicosia, TRNC Member of the Management Committee, Science and Social Science Institute, Near East University, Nicosia, TRNC
1998-2001	Acting President, Near East University, Nicosia, TRNC
2001- 2002	Secretary General, Near East University, Nicosia, TRNC
2002-2013	Vice President, Near East University, Nicosia, TRNC
2004-2013	President of Board, NEU Life-long Learning Education Centre (YABEM), Near East University, Nicosia, TRNC
2007-2010	International Council For Scientific Development (ICSD) International Academy Of Science (IAS)- Health And Ecology, Vice President, Board Member, and the Mediterranean Region Advisor
2010-2013	International Council For Scientific Development (ICSD) International Academy Of Science (IAS)- Health And Ecology; Board Member, the Mediterranean Region Advisor
2010-2015	General Coordinator of Water Management Project Turkish Republic of Northern Cyprus Ministry of Agriculture and Natural Resources; TRNC
2010-2013	Board member of Yükseköğretim Planlama, Denetleme, Akreditasyon ve Koordinasyon Kurulu (YÖDAK) by representative TRNC Parliament
2012-2014	International Universities Search and Rescue Council (Uluslararası Üniversiteler Arama & Kurtarma Konseyi, UÜAKK), President
2013-2017	President of YÖDAK of the TRNC
2014-2017	Member of the Managing Board of Association of Quality Assurance Agencies of the Islamic World in Bahrain
2017-present	Dean of Civil and Environmental Engineering Faculty, Near East University, TRNC
2017-present	Member of the Senate, Near East University, Nicosia, TRNC
2018-present	President, International Universities Search and Rescue Council (UÜAKK) Scientific and Education Board
2019-2022	Acting Vice-President: ISCD/IAS – HEALTH & ECOLOGY, Board Member, and the Mediterranean Region Advisor
2019-present	President of Energy, Environment, and Water Research Center (Enerji, Çevre ve Su Araştırma Merkezi, ENÇESU)
2021-present	Türk Dünyası Mühendisler ve Mimarlar Birliği, KKTC Ülke Temsilcisi.
2022-present	Union of Turkish World Engineers and Architects, Representative of TRNC
2022-present	Head of Civil Engineering Department, Near East University, TRNC
2022-present	International Council For Scientific Development (ICSD) International Academy Of Science (IAS)- Health And Ecology, Vice President, Board Member, and the Mediterranean Region Advisor

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

- “TRNC and Standardization Congress” , Cyprus Turkish Union of Chambers of Engineers and Architects - Nicosia, 21-22 January 1993
- “Computer Use in Education Symposium” , Near East University - Nicosia, 3-4 June 1993
- “Environmental Problems Symposium in TRNC” , Union of Chambers of Cyprus Turkish Engineers and Architects - Nicosia, 17-18 February 1994

- " Water Congress" , Cyprus Turkish Union of Chambers of Engineers and Architects - Nicosia, 23-24 February 1995
- "International Conference on Water Problems In The Mediterranean Countries" , NEU - Nicosia, TRNC, 17-21 November, 1997
- "International Conference Water Management'99" , Tirana-Albania, 22-24 May 1999
- "Interntional Conference on Earthquake Hazard and Risk In the Mediterranean Region", YDÜ-Lefkoşa, KKTC, 18-22 Ekim 1999
- "4th International Symposium on Eastern Mediterranean Geology", Süleyman Demirel University, Isparta, Turkey, 21-25 May 2001
- "International Symposium on The Cyprus Issue: Past, Present and the Vision for the Future", YDÜ - Lefkoşa, KKTC, 12-14 Haziran 2001
- "International Conference on Environmental Problems Of The Mediterranean Regions" NEU - Nicosia, TRNC, 12 - 15 April 2002
- "International Conference on the Earth and Water Terre Et Eau", Faculty of Earth Sciences, The Department of Geology, Annaba, Algeria, 21 – 23 May 2004
- "Congress of Quarries", Cyprus Turkish Union of Chambers of Engineers and Architects - Nicosia, 12 – 14 January 2005
- "International Conference on The Water for Sustainable Development in Mediterranean Basin", National School Polytechnic, Laboratory of Water, Cezayir, 21 – 23 Mayıs 2005
- "X. European Ecological Congress (Euro Eco)", Organized by European Ecological Federation (EEF), Turkish Ecological Society, Ege University Center for Environmental Studies, İzmir, Turkey, 08 – 13 November 2005
- "International Conference on Environment: Survival and Sustainability", Near East University, Nicosia-TRNC February 19-24, 2007
- "I. International Conference on: National and International Coordination, Cooperation and Humanitarian Assistance in Natural Disaster and State of Emergency", Girne / KKTC 17-18 Nisan, 2007
- "International Conference on Harmful Effects of Acid Mine Drainage on Environment and Health", Lefke, TRNC, 25-27 April, 2007
- "International Congress on Health and Hospital Administration", 1-3 June, 2007; Near East University, Nicosia, TRNC
- "Media Strategies in the 21st Century: Expectations Problems", 29-30 November 2007; Near East University, Nicosia- KKTC
- "7th Form of Economy Informatics, and Culture of Turkish countries", 11-14 December 2007, Near East University, Nicosia- TRNC
- "GAP, Cultural Heritage, and Tourism: Potentials, Priorities, Problems and Solutions Conference" 24-27 April 2008, Near East University, Nicosia.
- " The Regional Meeting on Water in the Mediterranean Basin" 9-11 October 2008, Near East University, Nicosia, TRNC
- "VIII. Silk Road XXI of the Turkic World Economic, Scientific and Cultural Forum. International Conference on the Theme of the 20th Century", 4-5 December 2008, University of Economics, Baku
- "University Entrance System Congress in Turkey's 2023 Vision" , 16-17 April 2009, Atılım University, Ankara, Turkey
- "International Environment Symposium" , 20-23 May 2009, Kyrgyzstan Turkey Manas University, Bishkek, Kyrgyzstan
- "Ecology and Forests for Public Health Conference", Nature-Culture-Health International ve International Academy of Science Health and Ecology ve University of Oslo, 18-20 Eylül 2009, Oslo, Norveç.
- "An International Conference: The Future of Ecocriticism: New Horizons" , 4-6 November 2009, Hacettepe University and Ankara University, Antalya, Turkey
- "1st International Congress On Children and Sports "Let the Children Play!, " 19-21 April 2010,, Near East University, Nicosia – Northern Cyprus

- “1st International Conference on Biodiversity” 3-4 June 2010, Intercollege, Larnaca, Cyprus.
- “ 2nd National Solid Waste Management Congress (UKAY 2010)” 18 – 20 October 2010 Mersin University, Turkey
- “7th International Symposium on Eastern Mediterranean Geology” 18-22 October 2010 Adana, Turkey
- “1st International Conference and Exhibition on Earthquake Forecasting” 17-21 April 2011, Çanakkale, Turkey
- "International Conference on Sustainable Built Environment 2010" 27-28 May 2010, Islamic University of Indonesia, Jogjakarta, Indonesia
- “Fourth Solid Waste Management Congress-UKAY'2012” October 2012, Fırat University, Elezığ
- “2nd International Conference on The Cyprus Issue: Past, Present and The Vision for the Future” 1-3 April 2019, Near East University, Nicosia- KKTC
- “2nd International Conference on Water Problems in the Mediterranean Countries” 6-10 May 2019, Near East University, Nicosia- KKTC
- “2nd International Conference of Environment: Survival and Sustainability” 7-11 October 2019, Near East University, Nicosia- KKTC
- “5th International Conference on "Natural Resources and Sustainable Environmental Management” 8-12 November 2021, Near East University, Nicosia- KKTC
- “3rd International Conference on "Cyprus Issue: Environmental Challenges and Energy Security-ECES 2022” 21-23 December 2022, Near East University, Nicosia- KKTC
- “15th International Congress On Advances In Civil Engineering” 5-8 September 2023, Eastern Mediterranean University, Famagusta, KKTC.
- “Turkish Culture and Thought Symposium” 18-19 October 2023, Istanbul Aydin University, İstanbul, Türkiye.
- “2nd International Conference on Earthquake Hazard and Risk in the Mediterranean Region (EHRMR-2023)” 20-22 October 2023, Near East University, Nicosia- KKTC
- “3rd International Conference of Water Problems in Mediterranean Countries (WPMC-2023)” 14 – 16 December 2023, Near East University, Nicosia- KKTC
- “6th International Conference on Natural Resources and Sustainable Environmental Management (NRSEM-2023)” 15 – 17 December 2023, Near East University, Nicosia- KKTC

12. Ödüller

- *NEU Research Awards*
 - NEU Scientific Research Award 2009, 2010, 2018, 2020, 2021 and 2022.
 - NEU Scientific Research Honour Award 2019, Near East University, TRNC
- TÜRKSAV 19. Uluslararası Türk Dünyasına Hizmet Ödülü (2014), Ankara, Turkey.
- *Pavlov Honour Pin in Gold*
 - International Council for Scientific Development and International Academy of Science (Health and Ecology), Pavlov Honour Pin in Gold, Medal and Certificate, February 2007, Innsbruck, Austria
- *Diğer Ödüller*
 - “Certificate of Award and Plaque for Outstanding Services performed on the National and International Platforms in Earth Sciences” presented by the Union of Chambers of the Turkish Engineers and Architects, Chamber of the Geological Engineers, Union of Chambers of the Turkish Cypriot Engineers and Architects, and the Chamber of Mining, Geological and Metallurgical Engineers, at the TMMOB - Chamber of the Geological Engineers, 51st Geology Congress, Ankara, Turkey, 16 February 1998.

- “25th Year Honour” Award: Granted by the Association of Turkish Engineers and Architects and the Association of Geology Engineers for 25 years of dedication to geology. TMMOB, Ankara, 18 May 2007
- Between the years 1982-2007 yılları arasında jeoloji meselğine 25 yıl başarıyla emek vermesinden dolayı Kıbrıs Türk Mühendis ve Mimar Odaları Birliği tarafından verilmiştir. KTMMOB, Lefkoşa, 1 Aralık 2007.
- Certificate of Award received from President Rauf Denктаş of the TRNC for performances shown during the “International Conference on the Water Problems in the Mediterranean Countries”, Nicosia, TRNC, 23 December 1997
- Certificate of Award received from President Rauf Denктаş of the TRNC on performance shown during the “International Conference on the Earthquake Hazards and Risks in the Mediterranean Region”, Nicosia, TRNC, 21 January 2000
- Certificate of Award received from the TRNC President Rauf Denктаş for performance shown in organizing the symposium entitled “Cyprus Issue: Past, Present and The Vision For The Future”, Nicosia, TRNC, 27 June 2001.
- Certificate of Award for Outstanding Services, “International Conference on the Environmental Problems of the Mediterranean Region”, presented by President Rauf Raif Denктаş, Nicosia, TRNC, 18 June 2002
- Certificate of Award and Plaque presented by Prime Minister Mehmet Ali Talat of the TRNC at the conference on the “Communication – Public Relations and Management Skills”, Nicosia, TRNC, 21 July–12 August 2004
- Plaque of Award received from the “Nicosia Sarayönü” Lions Club, Nicosia, TRNC, 11 November 1998
- Plaque of Award received from the Turkish Cypriot Cultural Association, Istanbul Branch, Istanbul, Turkey, 9 October 1999
- Certificate of Award received from the Head of the Civil Defence Organization, TRNC, for research carried out on earthquakes, and the educational contributions made for the Turkish Cypriot People, Nicosia, TRNC, 24 March 2000 Letter of Gratitude received from Prof. Dr. Engin Ataç, Rector of Anadolu University, Turkey, for contributions made at the seminar entitled “TRNC Water for Drinking and Urban Use” organised by the Faculty of Engineering and Architecture, Anadolu University, Turkey, 24 January 2001
- Letter of Gratitude received from the Head of the Civil Defence Organization, TRNC, for the contribution made to the Civil Defence Journal with the article entitled “A General Evaluation of Water Problems in the TRNC”, Nicosia, TRNC, 4 October, 2001 Plaque of Award received from the NEU and the Nicosia Municipality Authority for the contributions made at the Panel on “What Kind of Nicosia in 2020?” at the Nicosia 2020 Symposium, NEU, Nicosia, TRNC, 23-25 January 2002
- Letter of Gratitude received from the Anglo Turkish Association of TRNC for the contribution made at the seminar entitled the “Evaluation of Water Problems in the TRNC”, Kyrenia, TRNC, 18 March 2002
- Plaque of Award received for the contributions made at the Conference “Significance of the Güzelyurt District for the TRNC – Water and Earth” organized by the Güzelyurt District Development Association, Morphou, 1 April 2002
- Plaque of Award for Outstanding Services, studies on “Mining Contamination around the CMC Area” and as the Publishing Editor of “Proceedings of the International Conference on European Environmental Policy and the Case of the Cyprus Mines - 2001”, Environmental Society of Lefke, Lefke, TRNC, August 2002
- Certificate of Award for Outstanding Services, on “The Significance of Water in the TRNC”, by Beşparmak Lions Club, Kyrenia, TRNC, 15 April 2003
- Letter of Gratitude received from the Near East College, “Secondary School Education within the 21st Century”, 10th Year Anniversary, NEU, Nicosia, TRNC, 21 March 2003
- Certificate of Award for Outstanding Services, on “The Federal Law on Water Resources”, Technical Committee on Laws, presented by Olgun, M.E. the Undersecretary of the TRNC President, Nicosia, TRNC, 24 April 2004

- Letter of Gratitude received from The Union of Medical Doctors (N. Cyprus), on “Water Resources in TRNC” - Medical Doctors Annual Celebration Week, Nicosia, TRNC, 18 March 2005
- Letter of Gratitude received from the Near East College, “22nd of March, World Water Day – Water For Life Panels”, Near East University College, Nicosia, TRNC, 22 March 2005.
- Gazeteciler Cemiyeti, Üstün Hizmet Beratı Ankara ,Temmuz 2013
- Certificate of Award and Plaque presented by the Prime Minister of the TRNC, Ferdi Sabit Soyer, and President of the Civil Defence Organization, Zekai Aksakallı, at the ‘I. International Conference on National and International Coordination, Cooperation and Humanitarian Assistance in Natural Disaster and State of Emergency, Kyrenia, TRNC, 18 April 2007
- Türkiye Barolar Birliği, September 2019

13. Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2020-2021	Güz	CIV563/663-Hydrology And Hydro-Climatology	3		6
		CIV565/665-Sustainable Urbanization; Planning, Development, Opportunities, And Challenges	3		6
		CIV567/667-Impact Of Climate Change On Infrastructure	3		8
		TCE471 – Su Kaynakları I.	4		40
	Bahar	CIV508/608- Advanced Sustainable Urbanization And Environment Protection	3		5
		CIV558/658- Sustainable Development And Climate Change–Energy-Environment Nexus	3		
		TCE471 – Su Kaynakları I.	4		25
	Yaz	CIV508/608- Advanced Sustainable Urbanization And Environment Protection	3		6
		TCE471 – Su Kaynakları I.	4		5
	2021-2022	Güz	CIV507/607- Integrated Water Resource Management	3	
CIV509/609- Advanced Climate Change And Infrastructure			3		16
TCE471 – Su Kaynakları I.			4		10
Bahar		CIV528/628-Forecasting, Modelling And Statistical Analysis Of Atmospheric Data	3		18
		CIV558/658- Sustainable Development And Climate Change–Energy-Environment Nexus	3		17
		TCE471 – Su Kaynakları I.	4		10
Yaz		CIV508/608- Advanced Sustainable Urbanization And Environment Protection	3		8
		TCE471 – Su Kaynakları I.	4		5