

AKADEMİK ÖZGEÇMİŞ

1. Adı Soyadı: Youssef Kassem

2. Unvanı: Doç. Dr.

3. Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Makine Mühendisliği	Yakın Doğu Üniversitesi	2009
Y. Lisans	Makine Mühendisliği	Yakın Doğu Üniversitesi	2011
Doktora	Makine Mühendisliği	Yakın Doğu Üniversitesi	2017

4. Yüksek Lisans / Doktora Tezi

4.1.Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:

Yüksek Lisans Tez Başlığı : Determination Of The Aerodynamic Parameters Of The Airfoils For A Wind Car

Tez Danışman: Yrd. Doç. Dr. Doktor Hüseyin Çamur

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

Doktora Tezi: An Experimental And Numerical Investigation Of Some Thermo-Physical Properties Of Waste Vegetable Oil Biodiesel At Various Temperatures

Tez Danışman: Yrd. Doç. Dr. Hüseyin Çamur

5. Akademik Unvanlar:

Yardımcı doçentlik tarihi: 17/08/2018

Doçentlik tarihi: 22/12/2020

Profesörlük tarihi:

6. Yönetilen Yüksek Lisans ve Doktora Tezleri:

6.1. Yüksek lisans tezleri

- Suliman, M. (2018). Cold Flow Properties Analysis of Waste Cooking oil Biodiesel Blended with Four Different petrol -Diesel Using Computer -Aided Cooling Curve Analysis. **Completed**
- Al Zoubi, R. (2019). Rooftop Building Renewable Power System At Three Regions in North Cyprus. **Completed**

- Shama, H., (2019). Analysis of Different Combination of Meteorological Wind Speed with Different Predictive Tool's A Case Study. **Completed**
- 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. **Completed**
- Mekonnen, Y. (2019). Assessments Of Urban Domestic Water Supply Challenges In Injibara Town, Ethiopia. **Completed**
- Erhabor, G. (2019). Analysis of Wind Energy Potential In Selected Regions In Nigeria As A Power Generation Source. **Completed**
- Hadji, N. (2019). Evaluation of Solar Energy Potential in Ethiopia as Power Generation Source: A case Study at 100 Selected Cities. **Completed**
- Alsayas, S. (2019). Design and Development of Integrated Savonius Micro-Small Scale Vertical Axis Wind Turbine For Power Generation In Tripoli, Lebanon. **Completed**
- Bakande, C. (2020). Mathematical Models for Predicting the Biodiesel Properties. **Completed**
- Aateg, R. A. F. (2020). Modeling, Forecasting, and Reduction of CO₂ and Total Greenhouse Gas Emissions: A Case Study in Libya. **Completed**
- Omari, Q. (2020). Viability Study of Grid-Connected Rooftops Solar PV System for Different Coastal Cities in Lebanon. **Completed**
- Aljamal, J. (2020). Modeling And Forecasting of Monthly Rainfall Using Mathematical Models and Machine Learning Models: A Case Study In Morphou, Northern Cyprus. **Completed**
- Alijl, N. A. (2020). Flash Flood Risk Assessment Based On Historical Measured and Satellite Daily Rainfall Data: Kyrenia Region, Northern Cyprus. **Completed**
- Othman, A. A. (2021). Modeling of PV output power based on experimental data using various Machine-Learning techniques, multiple linear regression, and Quadratic model. **Completed**
- 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. **Completed**
- Abdalla, M.A. H. A. (2021), Assessment of solar and wind energy potential in Red Sea State in Sudan. **Completed**
- Abdalsamad, T. A. (2022). Statistical and Machine Learning Techniques Applied to The Prediction of Total Rainfall In Urban Cities, Northern Part of Iraq. **Completed**
- Mphinyane, L. P. (2022). Analyzing How Hydro-Climatological Parameters Affect Water Level Using Machine Learning Models – Gaborone Dam, Botswana. **Completed**
- Yarkpawolo Jr, S. (2022). Identification of the Most Suitable Probability Distribution Models for Daily And Monthly Rainfall Series in Liberia. **Completed**
- Yusuf, A. M. (2022). Correcting and Modeling Monthly Rainfall Based on Climate Parameters: Case Study of Somalia. **Completed**
- Tawalbeh, M. (2022). Geospasial of Solar And Wind Energy Potential Assessment In Cyprus. **Completed**
- Ruso, K. (2022). An Investigation Of Efficient Biodiesel Blends Via Cooling Curves. **Completed**
- Mehboob, A. (2023). Analysis of Wind Energy Potential in Selected Regions in Pakistan. **Completed**
- Adamu, M. T. (2023). Effects of geographical parameters in predicting the direct normal irradiance of africa using machine learning models. **Completed**
- Chikowero, T. (2023). Predicting solar radiation using machine learning models in global horizontal irradiance (GHI). **Completed**

- Abdelnaby, A. H. (2023). Wind Power Generation Scenarios in Lebanon. **Completed**
- Diah, F. S. (2023). Assessment Of Solar Energy In Lebanon Using The NASA Power Dataset. **Completed**
- Woyea, L. T. (2023). Wind and Solar Production Benefits For Resolving Liberia's Electricity And Water Crisis. **Completed**
- Apreala. T. Develop a hybrid renewable energy system for producing freshwater and electricity in rural area, Nigeria. **in-complete**

6.2. Doktora tezleri

- Güvensoy, A. (2022). Identification of the Solar Energy Potential as a Driver of Sustainable Development in Northern Cyprus using BIM and Techno-economic Modeling. **Completed**
- Aljil , N. Worry about climate change and urban flooding risk preparedness: A case study of Kyrenia (Northern Cyprus) and Dead Sea (Jordan). **in-complete**
- Rizza, T. Relating Groundwater Levels and Quality with Meteorological Parameters using Quadratic, Poisson Regression Models, Machine Learning Technique and GIS. **in-complete**
- Dannoun, Y. Global Climate Change Adaptation in Smart Cities: A case study in Northern Cyprus. **in-complete**
- Mosbah. A. A. S. Investigation the performance of renewable energy system in Libya. **in-complete**
- Abdalla. MA. H. Assessment of renewable energy potential in Sudan. **in-complete**
- Eze. M. C. Application of Transparent Insulation Materials to Building. **in-complete**
- Gökçekuş, R. Design and analysis of a floating photovoltaic based energy system with underground energy storage options. **in-complete**

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI, AHCI, ESCI, Scopus)

- Kassem, Y., & Çamur, H. (2017). A Laboratory Study of the Effects of Wide Range Temperature on the Properties of Biodiesel Produced from Various Waste Vegetable Oils. *Waste and Biomass Valorization*, 8(6), 1995–2007. doi: 10.1007/s12649-016-9753-4
- Kassem, Y., & Çamur, H. (2018). Effects of storage under different conditions on the fuel properties of biodiesel admixtures derived from waste frying and canola oils. *Biomass Conversion and Biorefinery*, 8(4), 825–845. doi: 10.1007/s13399-018-0339-1
- Alayat, M., Kassem, Y., & Çamur, H. (2018). Assessment of Wind Energy Potential as a Power Generation Source: A Case Study of Eight Selected Locations in Northern Cyprus. *Energies*, 11(10), 2697. doi:10.3390/en11102697
- Saeed, R., Kassem, Y., & Çamur, H. (2019). Effect of Biodiesel Mixture Derived from Waste Frying-Corn, Frying-Canola-Corn and Canola-Corn Cooking Oils with Various Ages on Physicochemical Properties. *Energies*, 12(19), 3729. doi: 10.3390/en12193729
- Kassem, Y., Çamur, H., & Alhuoti, S. M. A. (2020). Solar Energy Technology for Northern Cyprus: Assessment, Statistical Analysis, and Feasibility Study. *Energies*, 13(4), 940. doi: 10.3390/en13040940

- 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., 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
- Kassem, Y., Çamur, H., & Aateg, R. A. (2020). Exploring Solar and Wind Energy as a Power Generation Source for Solving the Electricity Crisis in Libya. *Energies*, 13(14), 3708. doi:10.3390/en13143708
- Kassem, Y., Çamur, H., & Alassi, E. (2020). Biodiesel Production from Four Residential Waste Frying Oils: Proposing Blends for Improving the Physicochemical Properties of Methyl Biodiesel. *Energies*, 13(16), 4111. doi:10.3390/en13164111
- Kassem, Y., & Gökçekuş, H. (2021). Do Quadratic and Poisson Regression Models help to predict monthly rainfall?. *Desalination and Water Treatment*, 215, 288-318
- 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*, 215, 328–346. doi: 10.5004/dwt.2021.26525
- 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*, 215, 347–379. doi: 10.5004/dwt.2021.26556
- 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*, 215, 427–451
- Kassem, Y., Gökçekuş, H, & Maliha, M. R. M. (2021). Identifying most influencing input parameters for predicting chloride concentration in groundwater using an ANN approach. *Journal: Environmental Earth Sciences*. doi: 10.1007/s12665-021-09541-6
- 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.
- Juaidi, A., Çamur, H., Jeguirim, M., Abdallah, R., Abdala, S., Salameh, T., & Kassem, Y. (2022). Estimation of solar irradiation and optimum tilt angles for south-facing surfaces in the United Arab Emirates: a case study using PVGIS and PVWatts. In *Recent Advances in Renewable Energy Technologies* (pp. 3-39). Academic Press.
- Kassem, Y., & Abdalla, M. H. A. (2022). Modeling predictive suitability to identify the potential of wind and solar energy as a driver of sustainable development in the Red Sea state, Sudan. *Environmental Science and Pollution Research*, 29(29), 44233-44254.
- Iravanian, A., Kassem, Y., & Gökçekuş, H. (2022). Stress–strain behavior of modified expansive clay soil: experimental measurements and prediction models. *Environmental Earth Sciences*. <https://doi.org/10.1007/s12665-022-10229-8>
- 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.
- Kassem, Y. (2023). Analysis of different combinations of meteorological parameters and well characteristics in predicting the groundwater chloride concentration with different empirical approaches: a case study in Gaza Strip, Palestine. *Environmental Earth Sciences*, 82(6), 134.

- 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.
- 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.
- 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
- 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.
- Kassem, Y. (2018). Computational study on vertical axis wind turbine car: Static study. *Modeling Earth Systems and Environment*, 4(3), 1041-1057. doi:10.1007/s40808-018-0461-x
- 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.
- Khan, M. A., Çamur, H., & Kassem, Y. (2019). Modeling predictive assessment of wind energy potential as a power generation sources at some selected locations in Pakistan. *Modeling Earth Systems and Environment*, 5(2), 555-569. doi:10.1007/s40808-018-0546-6
- 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:10.3390/environments6040047
- 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*. doi:10.1007/s40808-019-00589-9
- Kassem, Y., Çamur, H., & Abughinda, O. A. (2020). Solar energy potential and the feasibility study of 10MW grid-connected solar plant in Libya. *Engineering, Technology & Applied Science Research*, 10 (4), 5358-5366.
- 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
- Çamur, H., Kassem, Y., & Alassi, E. (2021). A Techno-Economic Comparative Study of a Grid-Connected Residential Rooftop PV Panel: The Case Study of Nahr El-Bared, Lebanon. *Engineering, Technology & Applied Science Research*, 11 (2), 6956-6964.
- Kassem, Y., Gökçekuş, H., & Lagili, H. S. A. (2021). A Techno-Economic Viability Analysis of the Two-Axis Tracking Grid-Connected Photovoltaic Power System for 25 Selected Coastal Mediterranean Cities. *Engineering, Technology & Applied Science Research*, 11 (4), 7508-7514.
- 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*, 1-21
- 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., & Rizza, T. (2022). Groundwater quality assessment for drinking water supply based on water quality index in Northern Cyprus. *Engineering, Technology & Applied Science Research*, 12(2), 8435–8443
- Kassem, Y., Othman, A.A. (2022). Selection of most relevant input parameters for predicting photovoltaic output power using machine learning and quadratic models. *Model. Earth Syst. Environ.* <https://doi.org/10.1007/s40808-022-01413-7>
- Kassem, Y., Gökçekuş, H., & Rizza, T. (2022). Flash Flood Risk Assessment for Girne Region, Northern Cyprus. *Engineering, Technology & Applied Science Research*, 12(3), 8728–8737. <https://doi.org/10.48084/etasr.4939>
- 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., Gökçekuş, R. (2022). Economic Feasibility of Large-Scale Renewable Energy Projects in Mountain Location, Northern Cyprus. In: Gökçekuş, H., Kassem, Y. (eds) *Climate Change, Natural Resources and Sustainable Environmental Management. NRSEM 2021. Environmental Earth Sciences.* Springer, Cham. https://doi.org/10.1007/978-3-031-04375-8_8
- Kassem, Y., Gökçekuş, H., Çamur, H., Esenel, E. (2022). A Comparative Study of a Small-Scale Solar PV Power Plant in Nahr al-Bared, Lebanon. In: Gökçekuş, H., Kassem, Y. (eds) *Climate Change, Natural Resources and Sustainable Environmental Management. NRSEM 2021. Environmental Earth Sciences.* Springer, Cham. https://doi.org/10.1007/978-3-031-04375-8_16
- Kassem, Y., Gokcekus, H., Camur, H., & Abdelnaby, A. H. A. (2022). Wind Power Generation Scenarios in Lebanon. *Engineering, Technology & Applied Science Research*, 12(6), 9551-9559.
- Kassem, Y., Gökçekuş, H., Iravanian, A., & Nategh, M. (2022). Implications of the FMEA Method in Evaluating Amirkabir Dam's Environmental Risk. *Environmental and Climate Technologies*, 26(1), 982-997.
- Kassem, Y., Gokcekus, H., & Agila, F. A. R. (2023). Techno-Economic Feasibility Assessment for the promotion of Grid-Connected Rooftop PV Systems in Botswana: A Case Study. *Engineering, Technology & Applied Science Research*, 13(2), 10328-10337.
- Kassem, Y., Gokcekus, H., & Essayah, A. M. S. (2023). Wind Power Potential Assessment at Different Locations in Lebanon: Best-Fit Probability Distribution Model and Techno-Economic Feasibility. *Engineering, Technology & Applied Science Research*, 13(2), 10578-10587.
- Kassem, Y., Gokcekus, H., Hamad, O. A. M. & Fayid, F. M. B. (2023). Economic Viability of a 6.5kW Off-grid Solar PV with Various Sun-Tracking Systems in Northern Cyprus: A Case Study. *Engineering, Technology & Applied Science Research*, 13(2), 10608–10621.
- Kassem, Y., Gokcekus, H., Ab Albakoush, I. A., & Abdullah, K. S. B. (2023). Solar-Powered Solutions for the Water and Energy Shortage Problem: The Case Study of Nahr El Bared, Lebanon. *Engineering, Technology & Applied Science Research*, 13(3), 10861-10869.
- Okoye, G. M., Kassem, Y., & Gökçekuş, H. (2023). Climate Change Impact Assessment In Southeast Nigeria. *China Petroleum Processing and Petrochemical Technology*, 23 (5), 500-510
- Kassem, Y., Gokcekus, H., & Aljatlawe, A. (2023). Utilization of Solar Energy for Electric Vehicle Charging and the Energy Consumption of Residential Buildings in Northern Cyprus: A Case Study. *Engineering, Technology & Applied Science Research*, 13(5), 11598-11607.
- Okoye, G. M., Kassem, Y., & Gökçekuş, H. (2023). Assessing the Impacts Of Climate Change

On Hydropower Generation And The Power Sector In Nigeria. *China Petroleum Processing and Petrochemical Technology*, 23 (2), 1-15.

- Kassem, Y., Camur, H., Adamu, M. T., Chikowero, T., & Apreala, T. (2023). Prediction of Solar Irradiation in Africa using Linear-Nonlinear Hybrid Models. *Engineering, Technology & Applied Science Research*, 13(4), 11472-11483.
- Kassem, Y., Camur, H., & Mosbah, A. A. S. (2023). Feasibility Analysis of the Wind Energy Potential in Libya using the RETScreen Expert. *Engineering, Technology & Applied Science Research*, 13(4), 11277-11289.
- Kassem, Y., Aktuğ, B., Özgenç, E., Dib, M., Ghisheer, M., Cole, O., & Çamur, H. (2018). Effects of storage period on kinematic viscosity and density of biodiesel and its blends with ultra-low-sulfur diesel fuel at constant storage temperature. *International Journal of Smart Grid and Clean Energy*. doi:10.12720/sgce.7.2.130-144
- Kassem, Y., Faraj, R. A., & Camur, H. (2018). Mechanical engineering with solidwork flow simulation improving and supporting undergraduate student learning in mechanical engineering courses: Fluid dynamic course. *New Trends and Issues Proceedings on Humanities and Social Sciences*, 5(4), 45-51. doi:10.18844/prosoc.v5i4.3702
- Kassem, Y., Sefik, A., Çamur, H., & Bahroun, A. A. (2019). Experimental and Numerical Investigation of the Influence of Blade Geometries and Blade Number on the Performance of a Newly Developed Savonius-Style Wind Rotor. *Journal of Engineering and Applied Sciences*, 14(24), 9788–9805. doi: 10.36478/jeasci.2019.9788.9805
- Kassem, Y., Çamur, H., & Alhuoti, S. M. A. (2019). MATLAB Simulator can support student learning for Fluid Mechanics courses in the Mechanical Engineering Department. *International Journal of Engineering Research and Technology*, 12(7), 1020-1032.
- Kassem, Y., Camur, H., & Hasan, R. (2019). Power Generation with Different Types of the Vertical Wind Turbine for Domestic use in Northern Cyprus: A Case Study. *Journal of Engineering and Applied Sciences*, 14(24), 9745–9754. doi: 10.36478/jeasci.2019.9745.9754
- Kassem, Y., Çamur, H., & Mosbah, A. (2019). Study of the Bucket Design Effect on Static Torque of Unconventional Savonius Wind Rotors for Low-Velocity Ranges. *International Journal of Engineering Research and Technology*, 12(7), 993-1007
- Kassem, Y., Camur, H., Abughinda, S. A., & Sefik, A. (2019). Wind Energy Potential Assessment in Selected Regions in Northern Cyprus Based on Weibull Distribution Function. *Journal of Engineering and Applied Sciences*, 15(1), 128–140. doi: 10.36478/jeasci.2020.128.140
- Kassem, Y., Gokcekus, H., & Filitoglu, Ü. B. (2019). Performance Characteristics of Building Integrated and Freestanding Photovoltaic System with Various PV Technologies and Angles: A Case Study in NEU Grand Library, North Nicosia. *Journal of Engineering and Applied Sciences*, 15(4), 1027–1042. doi: 10.36478/jeasci.2020.1027.1042
- Kassem, Y., Gökçekuş, H., Mizran, M., & Alsayas, S. (2019). Evaluation of the Wind Energy Potential in Lebanon's Coastal Regions using Weibull Distribution Function. *International Journal of Engineering Research and Technology*, 1(6), 784-792.
- Gökçekuş, H., Kassem, Y., & Musa, M. (2019). Behavior of Asphalt Pavement Structure Under Influenced Of Alteration Climatic Condition. *International Journal of Innovative Technology and Exploring Engineering*, 8(8).
- Gökçekuş, H., Kassem, Y., & Tallawi, G. (2019). Evaluation of Traffic Congestion and Level of Service at Major Intersections in Lefkoşa, Northern Cyprus. *International Journal of Innovative Technology and Exploring Engineering*, 8(8).

- Gökçekuş, H., Kassem, Y., & Abdi, S. (2019). Simulation and performance analysis of 110 KWP grid-connected photovoltaic (PV) system for residential building in Northern Cyprus. *International Journal of Innovative Technology and Exploring Engineering*, 8(8).
- Gökçekuş, H., Kassem, Y., & Ikechukwu, O.E. (2019). An assessment on relationship of agricultural sub-sectors with GDP in Nigeria. *International Journal of Innovative Technology and Exploring Engineering*, 8(10).
- Gökçekuş, H., Kassem, Y., & Omari, Q.. (2019). Selection the Best Technique for Solid Waste Management at Misurata city, Libya. *International Journal of Innovative Technology and Exploring Engineering*. 8(9), 1250-1257.
- Kassem, Y., Gökçekuş, H., & Güvensoy, A. (2019). Solar Potential assessment in Near East University, Northern Cyprus. *International Journal of Engineering Research and Technology*, 3061–3069.
- Bakande, C., Kassem, Y., & Çamur, H. (2020). Mathematical Models for Predicting the Biodiesel. *International Journal of Innovative Technology and Exploring Engineering*, 2362–2376.
- Gökçekuş, H., Kassem, Y., Alijl , N., & Tawalbeh, M. (2020). Flash Flood Risk Mitigation Plan: Zarqa Ma'in Basin, Along the Dead Sea in Jordan. *International Journal of Scientific & Technology Research*, 9(3), 4089–4095.
- Gökçekuş, H., Kassem, Y., & Musa, M. K. (2020). Environmental Impact of Municipal Solid Waste Landfill in North of Iraq. *International Journal of Innovative Technology and Exploring Engineering*, 9(3), 756–763.
- Kassem, Y., Gökçekuş, H., & Aljamal, J. (2020). Surface water resource and effect of weather parameters in estimating the annual rainfall: A case study in Lebanon. *IOP Conference Series: Materials Science and Engineering*, 800, 012028. doi: 10.1088/1757-899x/800/1/012028
- Gökçekuş, H., Kassem, Y., Yunusa, N., Musa, M., John, S., Usman, S., ... Ahmad, S. (2020). Study on Pit Latrine Minimum Design Requirement and Considerations in Northern Nigeria. *International Journal of Innovative Technology and Exploring Engineering*, 9(4), 1802–1809.
- Gökçekuş, H., Kassem, Y., Haider, A., & Ali, S. (2020). Mechanical Behavior of Concrete Reinforced With Waste Plastic Bottles Fibers. *International Journal of Civil Engineering and Technology*, 11(7), 66-80.
- Gökçekuş, H., Kassem, Y., Saber, S., & Ahmed, A. (2020). Municipal Solid Waste Management System and Environmental Impacts In Iraq: A Review Paper. *International Journal of Civil Engineering and Technology*, 11(7), 106-113.
- Fosso, F. P. K., Gökçeku, H., & Kassem, Y. (2023). Precipitation Analysis And Empirical Models: Review Study. *Journal of Optoelectronics Laser*, 42(7), 16-22.
- Gökçekuş, H., Kassem, Y., & Ndasack, N. M. (2023). Evaluation of Integrated Water Resources Management and Water Resource Management in Cameroon. *Journal of Optoelectronics Laser*, 42(9), 1-10.
- Gokcekus, H., Kassem, Y., & Yallah, L. N. (2023). The Role of Universities In Addressing Climate Change And Advancing Renewable Energy In Liberia, Monrovia. *Journal of Optoelectronics Laser*, 42(9), 16-26.
- Ngiele, M. C. N., Gökçekuş, H., & Kassem, Y. (2023). Rainfall Prediction Using Regression Analysis: Review Study of Democratic Republic of the Congo. *Journal of Optoelectronics Laser*, 42(10), 10-12.

- Kassem, Y., Gökçekuş, H., Elmubark, M., & Abdelmoniem, R. (2023). Towards Sustainable and Resilient High-Density Cities through Planning for the Construction of the Low-Rise Building: A Case Study from Sudan. *Journal of Optoelectronics Laser*, 42(11), 17-42.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- Kassem, Y., & Çamur, H. (2017). A Numerical Study of a Newly Developed of Savonius Wind Turbine Style on Increasing the Performance of Savonius Wind Rotor. *American Journal of Modern Energy*, 3(6), 115-120.
- Kassem, Y., & Gökçekuş, H. (2018). GHG Emissions And Energy Performance Of 1mw Grid-Connected Solar PV Plant At Lefke In Northern Cyprus: Case Study. *Disaster Science And Engineering*, 4(2).
- Kassem, Y., Çamur, H., & Bennur, K. (2018). Adaptive Neuro-Fuzzy Inference System (ANFIS) and Artificial Neural Network (ANN) for Predicting the Kinematic Viscosity and Density of Biodiesel Petroleum Diesel Blends. *American Journal of Computer Science and Technology*, 1(1), 8-18.
- Kassem, Y., Çamur, H., & Alghazali, A. (2018). Prediction of the Mechanical Power in Wind Turbine Powered Car Using Velocity Analysis. *American Journal of Science, Engineering and Technology*, 3(1), 10-20.
- Balak, S., Halimeh, K., ALhafez, M., Çamur, H., & Kassem, Y. (2018). Effect of the bucket angle on the static torque of Savonius wind turbine rotors: Numerical Study. *International Research Journal of Engineering and Technology*, 5(7).
- Kassem, Y., Gökçekuş, H., & Çamur, H. (2018). Effects of Climate Characteristics on Wind Power Potential and Economic Evaluation in Salamis Region, Northern Cyprus. *International Journal of Applied Environmental Sciences*, (13), 3, 287-307.
- Kassem, Y., Abid Khan, M., & Çamur, H. (2018). Application of adaptive neuro-fuzzy inference system and artificial neural network for kinematic viscosity of biodiesel prediction. *International Journal of Engineering Sciences & Research Technology*, 7(1). doi:10.5281/zenodo.1161388
- Kassem, Y., Aktuğ, B., Ghisher, M., & Çamur, H. (2018). Measurements, Correlations and Comparison of Biodiesel Blend Properties with three Commercial Diesel Fuels, Kerosene and Benzene. *International Journal of Applied Engineering Research*, 13(9), 7019-7032.
- Kassem, Y., Çamur, H., Bahroun, A., Abughnida, O., & Alghazali, A. (2018). Performance investigation of Savonius Turbine with New Blade Shape: Experimental and Numerical study. *International Journal of Applied Engineering Research* 13(10), 8546-8560
- Kassem, Y., Çamur, H., & AbuGharara, M. (2019). Assessment of Wind Energy Potential for Selecting Small-Scale Wind Turbines in Low Wind Locations in Libya: A Comparative Study. *International Journal of Engineering Research and Technology*, 12(6), 820-836.
- Kassem, Y., Gökçekuş, H., Çamur, H., & Hasan, R. (2019). Thermal Analysis and Characteristics of Refine/Waste Canola Biodiesel under Long-Term storage in Ambient Condition. *International Journal of Applied Engineering Research*, 14(11), 2748-2756.
- Kassem, Y., Gökçekuş, H., & AbuGharara, M. (2019). An Investigation on Wind Energy Potential in Nalut, Libya, using Weibull Distribution. *International Journal of Applied Engineering Research*, 14(10), 2474-2482.

- Kassem, Y., Gökçekuş, H., & Faraj, R. (2019). Evaluation of the Wind Energy Potential in Libya's Eastern Mediterranean Coast Area Using Weibull Distribution Function. *International Journal of Applied Engineering Research*, 14(10), 2483-2491.
- Kassem, Y., Gökçekuş, H., & Alsayas, S. (2019). Freestanding PV solar system- -example of Lefke town in Northern Cyprus. *International Journal of Applied Engineering Research*, 14(11), 2522-2526.
- Kassem, Y., Gökçekuş, H., & Hassan, M. (2019). Evaluation of Wind Potential at Eight Selected Locations in Northern Lebanon Using Open Source Data. *International Journal of Applied Engineering Research*, 14(11), 2789-2794.
- Almahdi, M., Gökçekuş, H., Kassem, Y. (2019). Relationship between Asphalt Concrete and Accident a Case Study of Libya. *International Research Journal of Engineering and Technology*, 6(6).
- Gökçekuş, H., Kassem, Y., Kannas, H., & Wafi, A. (2020). Wind Speed Variation and its Effect on the High-rise Building Due to Urban Development: A Case Study at Northern Cyprus. *International Research Journal of Engineering and Technology*, 7(2).
- Gökçekuş, H., Kassem, Y., AlHassan, M., & Janbein, W. (2020). Water Resources in Levantine coast and northern African coast of Mediterranean Region. *International Journal of Engineering Science Technology and Research*, 5(1), 15-32.
- Gökçekuş, H., Kassem, Y., & Harahsheh, B. (2020). Review of Waste Management in Construction Industry. *International Journal of Science and Research*, 9 (7), 1860 – 1866.
- Gökçekuş, H., Kassem, Y., Ravari, S. O. (2020) Biomass Potential as Power Generation Sources: A Case Study in Kerman-Iran. *International journal of scientific & technology research*, 9 (8), 567-572
- Gökçekuş, H., Kassem, Y., Ahmed, A. M. (2021) Management of Duhok Governorate Environment by Generating Sustainable Solutions (Rooftop Photovoltaic Systems) In Buildings Instead of Regular Electricity: Environment, Management and Techno-Economic Evaluations. *International Journal of Innovative Technology and Exploring Engineering*, 10 (5), 73-80.
- Hiçsönmez, B., Kassem, Y., & Gökçekuş, H. (2021). Techno-Economic Assessment of Wind Potential At Five Locations In Northern Cyprus Using Open Source Wind Data. *International journal of scientific & technology research*, 10 (2), 294-299
- Gökçekuş, H., Kassem, Y., & Mphinyane, L. P. (2021). Analysis of Spatio-temporal rainfall trends and rainfall variability in Botswana between 1958 and 2019. *International Advanced Researches and Engineering Journal*, 5 (3), 444-453
- Kassem, Y., Gökçekuş, H., & Yusuf, A. M. (2021). Sustainable Flood Retention Basin in Beledweyne City Somalia. *International Research Journal of Engineering and Technology*, 8(12),1418- 1421
- Kassem, Y., Gökçekuş, H., & Alijl, N. (2021). Best-fit probability distributions and return periods for daily rainfall in the Kyrenia region, Northern Cyprus. *World Journal of Environmental Research*, 11(2), 53-62.
- Kassem, Y., Gökçekuş, H. & Alijl, N. (2022). Flash flood risk assessment modelling and methods: Kyrenia Region, Northern Cyprus. *World Journal of Environmental Research*. 11(1), 20-30 <https://doi.org/10.18844/wjer.v11i1.7190>
- Gökçekuş, H., Kassem, Y., & Yusuf, A. M. (2022). Impact of Climate Change on Water Resources in Somalia. *International Research Journal of Engineering and Technology*, 9(2), 227- 230
- Flanzamaton, C. M.M.D, Gökçekuş, H., & Kassem, Y. (2022). Renewable Energy Can Help to

Reduce Climate Change in Nigeria: Evidence from Previous Studies. *International Journal of Applied Science and Research*, 5(1), 211- 244

- Abdalsamad, T. S., Kassem, Y., & Gökçekuş, H., (2022). Current and future challenges for better water supply sustainability in northern part of Iraq. *World Journal of Advanced Engineering Technology and Sciences* 5(1), 055–062
- Gökçekuş, H., Kassem, Y., & Ali. G. A. H. (2022). Water resource, climate change and integrated water resource management: Review study. *International Journal of Applied Science and Research* 5(1), 253–257
- Levi, B., Gökçekuş, H., & Kassem, Y. (2022). Impact of Climate Change (CC) on Surface and Groundwater in Liberia. *International Research Journal of Engineering and Technology*, 9(2), 788- 796
- Bility, A. A., Gökçekuş, H., & Kassem, Y. (2022). Climate Change Adaptation and Integrated Water Resource Management in the Water Sector: A case study of Monrovia. *International Research Journal of Engineering and Technology*, 9(2), 881- 887
- Kassem, Y., Gökçekuş, H., & Kouzehgarani, J. K. (2022). Greenhouse Gas Emission of Animal-Based and Plant-Based Products in Iran. *Future Energy*, 1(3), 13-18.
- Kassem, Y., Gökçekuş, H., & Furajji, Q. A. S. (2022). Evaluating the performance of online simulation tools for grid-connected rooftop solar systems in Baghdad, Iraq. *International Journal of Engineering and Applied Physics*, 2(2), 480-491.
- Kassem, Y., Gökçekuş, H., & Furajji, Q. A. S. (2022). Applicability of solar systems with various technologies and sun-tracking: A case study of Baghdad, Iraq. *Future Energy*, 1(2), 03-08.
- Gökçekuş, H., Kassem, Y., & Yusuf, A. M. (2022). Assessment of Water Resources of Somalia. *International Research Journal of Engineering and Technology*, 9(5), 3698-3701
- Gökçekuş, H., Kassem, Y., & Jr, S. Y. (2022). The Effect of Penurious Sanitation facilities (septic tanks/latrines) on groundwater infrastructures in the Cowfield Community, Duport Road, Liberia. *International Research Journal of Engineering and Technology*, 9(2), 2868-2868
- Gökçekuş, H., Kassem, Y., & Jr, S. Y. (2022). The Analysis of Physio-chemical Properties of Surface Water Treatment A Case Study on the White Water Treatment Plant in Monrovia, Liberia. *International Research Journal of Engineering and Technology*, 9(4), 3145- 3153
- Gökçekuş, H., Kassem, Y., & Dioh, F. S. (2022). A Review of Liberia's Water Resources: The Quality and Management with Particular Focus on Freshwater Resources. *International Research Journal of Engineering and Technology*, 9(3), 371- 378
- Gökçekuş, H., Kassem, Y., & Tokdemir, Ö. (2022). Investigate the TRNC Water Resources Management Strategies using Possible Options. *International Research Journal of Engineering and Technology*, 9(3), 250- 254
- Aruni, P. N., Gökçekuş, H., & Kassem, Y. (2022). A Review of Tanzania's Water Resources the Quality and Management with Particular Focus on Fresh Water Resources Management. *International Research Journal of Engineering and Technology*, 9(3), 28- 35
- Kassem, Y., Gökçekuş, H., & Kouzehgarani, J. K. (2022). Water footprint assessment of animal-based and plant-based products in Iran. *Future Technology*, 1(2), 18-24.
- Gökçekuş, H., Kassem, Y., & Bility, A. A., (2022). Analyzing the Impacts of Climatological Variables on Rainfall using ARIMA and Multi Linear Regressions models: A case study of Algiers. *Future Technology*, 2(4), 883-887.
- Gökçekuş, H., Kassem, Y., Godwin, M. H., & Babangida, A. (2022). Economic analysis of an off-grid solar PV for small scale desalination unit. *Future Technology*, 1(3), 26-43.
- Gökçekuş, H., Kassem, Y., Fahnbulleh, A. Z., & Saah, R. F. (2022). Wastewater treatment plant and enhancing renewable energy production towards achieving environmental sustainability.

Future Technology, 1(3), 14-25.

- Abdalsamad, T. S., Kassem, Y., & Gökçekuş, H. (2022). Current and future challenges for better water supply sustainability in northern part of Iraq. *World Journal of Advanced Engineering Technology and Sciences*, 5(1), 055-062
- Ibrahim Ali, A., Kassem, Y., & Gökçekuş, H. (2022). Current and future challenges for better water supply sustainability in Somalia. *International Journal of Engineering Applied Sciences and Technology*, 7(5), 252–257. <https://doi.org/10.33564/ijeast.2022.v07i05.041>
- Gökçekuş, H., Kassem, Y., Quoigoah, M. P., & Aruni, P. N. (2023). Climate change, water resources, and wastewater reuse in Cyprus. *Future Technology*, 2(1), 1-12.
- Seman, H., GÖKÇEKU, H., & Kassem, Y. (2023). Review on waste water reuse for irrigation towards achieving environmental sustainability. *International Journal of Engineering and Applied Physics*.
- Gokcekus, H., Kassem, Y., & Woyea, L. T. (2023). A Prediction of Rainfall of Haifa Using MLR and ARIMA Models. *International Journal of Engineering and Applied Physics*.
- Gökçekuş, H., Kassem, Y., George, A. G., & Morrison, R. F. (2023). Physicochemical properties of wastewater effluents from selected wastewater treatment plants. *Future Technology*, 2(1), 62-70.
- Gokcekus, H., Kassem, Y., Mason, M. N., & Selay, J. M. (2023). Hundred percent renewable wastewater treatment plant: techno-economic assessment using a ret screen, case study Syria. *Future Technology*, 2(1), 46-57.
- Gökçekuş, H., Kassem, Y., & Andaque, H. H. S. (2023). Interaction between infrastructure and climate change on buildings, roads, and bridges in developed and developing countries: a case of Japan and Mozambique. *Future Technology*, 2(3), 24-30.
- Ali, A. I., Kassem, Y., & Gökçekuş, H. (2023). Examining the impact of climate change on water resources in Somalia: The role of adaptation. *Future Technology*, 2(4), 45-58.
- Mohamad, M. A. H., & Kassem, Y. (2023). Influence of size and number of NACA 0012 blades on the mechanical power of wind turbine-powered car. *Open Access Repository*, 10(6), 68-86.
- Gokcekus, H., Kassem, Y., & Mafela, L. G. (2023). Time Series Forecasting of Rainfall in Alicante Spain. *International Journal for Modern Trends in Science and Technology*, 9(3), 61-70
- Gokcekus, H., Kassem, Y., & Mafela, L. G. (2023). Integrated Water Resource Management in Liberia. *International Journal for Modern Trends in Science and Technology*, 9(3), 57-60
- Zaizay, A. G., Gokcekus, H., & Kassem, Y. (2023). Environmental changes and integrated water resource management in Liberia (A Review). *International Journal of Applied Science and Research*, 6(5), 1-14
- Nweke, K. I., Gokcekus, H., & Kassem, Y. (2023). Sustainable Renewable Energy the Way Forward for New Nigeria. *World Wide Journal of Multidisciplinary Research and Development*, 9(8), 58-63

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- Çamur, H., & Kassem, Y. (2012). Creating the Wind Energy for Operating the 3-C-Section Blades Wind Car. *Advanced Materials Research*, 622-623, 1188-1193. doi:10.4028/www.scientific.net/amr.622-623.1188
- Çamur, H., & Kassem, Y. (2012). Operating a Three Blade-Wind Car with Wind Energy. *Advanced Materials Research*, 622-623, 1199-1203.

doi:10.4028/www.scientific.net/amr.622-623.1199

- Kassem, Y., & Çamur, H. (2017). Prediction of biodiesel density for extended ranges of temperature and pressure using adaptive neuro-fuzzy inference system (ANFIS) and radial basis function (RBF). *Procedia Computer Science*, 120, 311-316. doi:10.1016/j.procs.2017.11.244
- Kassem, Y., Çamur, H., & Esenel, E. (2017). Adaptive neuro-fuzzy inference system (ANFIS) and response surface methodology (RSM) prediction of biodiesel dynamic viscosity at 313 K. *Procedia Computer Science*, 120, 521-528. doi:10.1016/j.procs.2017.11.274
- 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: 10.1007/978-3-030-04164-9_32
- 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. (2020). Artificial Neural Networks for Predicting the Electrical Power of a New Configuration of Savonius Rotor. Advances in Intelligent Systems and Computing 10th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions - ICSCCW-2019, 872–879. doi: 10.1007/978-3-030-35249-3_116
- Kassem, Y., Gökçekuş, H., & Çamur, H. (2020). Prediction of Kinematic Viscosity and Density of Biodiesel Produced from Waste Sunflower and Canola Oils Using ANN and RSM: Comparative Study. Advances in Intelligent Systems and Computing 10th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions - ICSCCW-2019, 880–887. doi: 10.1007/978-3-030-35249-3_117
- Chiwuzie, E., Haboush, M. A., Youssef, K., & Camur, H. (2020). Enhancing undergraduate engineering education quality through using computer-aided design software. *New Trends and Issues Proceedings on Humanities and Social Sciences*, 7(3), 177-183. doi:10.18844/prosoc.v7i3.5250
- A. F., Abdalla, M. A., Erdem, B. D., Kassem, Y., & Camur, H. (2020). Solid Work simulation as a virtual laboratory concept for supporting student learning of mechanical engineering. *New Trends and Issues Proceedings on Humanities and Social Sciences*, 7(3), 53-60. doi:10.18844/prosoc.v7i3.5233
- Kassem, Y., Gökçekuş, H., & Aljamal, J. (2020). Surface water resource and effect of weather parameters in estimating the annual rainfall: A case study in Lebanon. In *IOP Conference Series: Materials Science and Engineering* (Vol. 800, No. 1, p. 012028). IOP Publishing.
- Kassem, Y., Çamur, H., Othman, A. A., Alshrouf, L., Yasin, M., & Abu-Aysheh, Y. (2021). Performance investigation of grid-connected photovoltaic systems for family household: A case study in Amman, Jordan. *IOP Conference Series: Earth and Environmental Science*, 926(1), 012092. doi:10.1088/1755-1315/926/1/012092
- Kassem, Y., Çamur, H., Abdalla, M. A., Erdem, B. D., & Al-Ani, A. M. (2021). Evaluation of wind energy potential for different regions in Lebanon based on NASA wind speed database. *IOP Conference Series: Earth and Environmental Science*, 926(1), 012093. doi:10.1088/1755-1315/926/1/012093

- Kassem, Y., Çamur, H., & Abdalla, M. A. H. A. (2022). Predicting the Mechanical Power of a New-Style Savonius Wind Turbine Using Machine Learning Techniques and Multiple Linear Regression: Comparative Study. In International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions (pp. 316-323). Springer, Cham.
- Kassem, Y., Çamur, H., Burge, G., Netshimbupfe, A. F., Sharfi, E. A., Demir, B., & Al-Ani, A. M. (2022). Using Machine Learning Techniques for Estimating the Electrical Power of a New-Style of Savonius Rotor: A Comparative Study. Intelligent Computing & Optimization Lecture Notes in Networks and Systems, 167-174. doi:10.1007/978-3-030-93247-3_17
- Kassem, Y., Çamur, H., Zakwan, A.H.M.A., Amanam, N.N. (2022). Machine Learning Models for the Electrical Power Generation by Savonius Vertical Axis Wind Turbine. In: Shaw, R.N., Das, S., Piuri, V., Bianchini, M. (eds) Advanced Computing and Intelligent Technologies. Lecture Notes in Electrical Engineering, vol 914. Springer, Singapore. https://doi.org/10.1007/978-981-19-2980-9_36
- Kassem, Y., Çamur, H., Özdemir, T., & Bamaiyi, B. (2023). Predicting the Dynamic Viscosity of Biodiesels at 313 K Using Empirical Models. In Proceedings of International Conference on Data Science and Applications: ICDSA 2022, Volume 2 (pp. 209-215). Singapore: Springer Nature Singapore.
- Kassem, Y., Çamur, H., Duke, G. E., & Abdelnaby, A. H. (2023). Artificial Neural Networks, Quadratic Regression, and Multiple Linear Regression in Modeling Cetane Number of Biodiesels. In Proceedings of International Conference on Data Science and Applications: ICDSA 2022, Volume 2 (pp. 217-224). Singapore: Springer Nature Singapore.
- Kassem, Y., Gökçekuş, H., Mason, M. N., Saley, J. M. & Georg A. G. (2023). Identification of the Effect of Geographical Coordinates on the Accuracy Prediction of Total Rainfall Using Multi-Layer Perceptron Neural Network. 12 th world conference on Intelligent systems for industrial automation-WCIS 2022. In press
- Kassem, Y., Gökçekuş, H., Babangida, A., Larmouth, E. J., & Mafela, L. G. (2023). Time Series Forecasting of Solar Power Generation for 5.4 kW Off-Grid PV System: A Case Study in Al Mahmra, Lebanon. In International Conference on Intelligent Computing & Optimization (pp. 621-631). Springer, Cham.
- Çamur, H., Kassem, Y., Adamu, M. T., & Chikowero, T. (2023). Prediction of the Power Output of a 4.5 kW Photovoltaic System Using Three Empirical Models: A Case Study in Nahr El-Bared, Lebanon. In 15th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools–ICAFS-2022 (pp. 218-225). Cham: Springer Nature Switzerland.
- Kassem, Y., Gökçekuş, H., Dioh, F. S., Quoigoah, M. P., & Godwin, M. H. (2023). Prediction of Runoff Using Artificial Neural Networks, MLR Regression, and ARIMA Model (A Case Study: Bared River, Lebanon). In 15th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools–ICAFS-2022 (pp. 247-255). Cham: Springer Nature Switzerland.
- Kassem, Y., Çamur, H., Zakwan, A. H. M. A., & Nkanga, N. A. (2023). Prediction of Cold Filter Plugging Point of Different Types of Biodiesels Using Various Empirical Models. In 15th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools–ICAFS-2022 (pp. 50-57). Cham: Springer Nature Switzerland.
- Kassem, Y., Gökçekuş, H., Godwin, M. H., Saley, J. M., & Mason, M. N. (2023). Predicting Solar Power Generated by Grid-Connected Two-Axis PV Systems Using Various Empirical Models.

In 15th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools–ICAFA-2022 (pp. 203-210). Cham: Springer Nature Switzerland.

- Kassem, Y., Gökçekuş, H., Babangida, A., & Gumel, A. A. (2023). Applying Multi-Layer Perceptron Neural Network to Predict Wind Speed in Lebanon . 12 th world conference on Intelligent systems for industrial automation-WCIS 2022. In press
- Kassem, Y., Gökçekuş, H., Babangida, A., & Gumel, A. A. (2023). Prediction of mechanical power of new design of Savonius wind turbine using various empirical models . 12 th world conference on Intelligent systems for industrial automation-WCIS 2022. In press
- Kassem, Y., Çamur, H., Adamu, M. T., & Chikowero, T. (2023). Applying Multi-Layer Perceptron Neural Network to Predict Wind Speed in Lebanon . 12 th world conference on Intelligent systems for industrial automation-WCIS 2022. In press
- Kassem, Y., Çamur, H., Apreala, T., & Okah, O. M. (2023). Prediction of dynamic viscosity of biodiesel using various artificial neural network methods, response surface methodology, and multiple linear regressions. 12 th world conference on Intelligent systems for industrial automation-WCIS 2022. In press
- Kassem, Y., Gökçekuş, H. , & Kpewoan II , J. K. (2023). A Comparative Study of Artificial Neural Networks and Multiple Linear Regression for Predicting Average Monthly Rainfall in Northern Cyprus. 16th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools. Springer, Cham. In press
- Kassem, Y., Gökçekuş, H., & Kpewoan D. I. (2023). Prediction of Concentration of Iron Using Linear-Nonlinear Hybrid Models. 16th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools. Springer, Cham. In press
- Kassem, Y., Gökçekuş, H., & Hussein, A. S. (2023). Relating urban runoff with Soil Moisture, Temperature, Wind Speed and Vapor Pressure Using Artificial Neural Network: A case study of Mogadishu in Somalia. 16th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools. Springer, Cham. In press
- Kassem, Y., Gökçekuş, H. , & Abdullahi, A. H. (2023). Wind Energy Estimation in Mediterranean Coastal Urban Areas via Elman Neural Network. 16th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools. Springer, Cham. In press
- Kassem, Y., Gökçekuş, H. , & Alijl, N. (2023). Evaluating satellite-based and reanalysis precipitation datasets with gauge observed data and hydrological modeling in the Dead Sea region, Jordan. 15th International Congress on Advances in Civil Engineering- ACE 2023, 6-7-8 September 2023. Springer, Cham. In press
- Kassem, Y., Çamur, H., & Abdelnaby, A. H. A. (2023). Wind Power Prediction in Mediterranean Coastal Cities Using Multi-layer Perceptron Neural Network. In International Conference on Data Analytics & Management (pp. 253-264). Singapore: Springer Nature Singapore.
- Kassem, Y., Çamur, H., & Abdalla, M. H. (2023). Assessment of Floating Photovoltaic (FPV) Systems as an Alternative Electricity Generation Source: A Case Study from Sudan. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1267, No. 1, p. 012031). IOP Publishing.
- Kassem, Y., & Çamur, H. (2013). Wind Power Vehicle Uses 3 Double C Section Blades. *Engineering Sciences International Research Journal*, 2330-4338.

- Kassem, Y., & Çamur, H. (2015). Wind Turbine Powered Car Uses 3 Single Big C-Section Blades. *International Academy of Engineers (IA-E) March 14-15, 2015 Dubai (UAE)*. doi:10.15242/iae.iae0315209
- Kassem, Y., Çamur, H. & Alghazali, A. (2017). Evaluation of Wind Energy Potential and Economic Analysis of Wind Energy Turbine Using Present Value Cost Method at Famagusta, Rizokarpaso, Kyrenia, Morphou, Nicosia and Ercan in Cyprus: Case Study. *3RD International Conference on Applied Economics and Finance (ICOAEF 2017) 6 - 7 December, 2017, North Cypru*

7.4. Yazılan ulusal/uluslararası kitaplar veya kitaplarda bölümler

- Gökçekus, H., & Kassem, Y. (2021). Energy Security in International Conflicts: The Case of the Eastern Mediterranean. In Cyprus: Alternative Solution Models. Peter Lang GmbH, Internationaler Verlag Der Wissenschaften. DOI: 10.3726/b17757
- Gökçekus, H., & Kassem, Y. (2021). Turkey-North Cyprus-Neighboring Countries Peace Water Project. In Cyprus: Alternative Solution Models. Peter Lang GmbH, Internationaler Verlag Der Wissenschaften. DOI: 10.3726/b17757
- Gökçekuş, H., & Kassem, Y.(2022). Climate Change, Natural Resources and Sustainable Environmental Management. Springer.

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

- Kassem, Y., & Gökçekuş, H. (2019). Lefke Kentindeki Enerji Talebi ve Yenilenebilir Enerjinin İncelenmesi, 1. Lefke Kent Sempozyumu Bilidirileri. 265-269
- Kassem, Y., & Gökçekuş, H. (2020). Küçük Ölçekli Bir İlçe İçin Şebekeye Entegre Rüzgar-Güneş Hibrit Ev Enerji Üretim Sistemi: Lefke Bölgesi İçin Ölçekli Bir Çalışma. 2. Lefke Kent Sempozyumu Bilidirileri. 389-395

8. Sanat ve Tasarım Etkinlikleri

9. Projeler

10. İdari Görevler

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

- **Organizing:** 2nd International Conference on Earthquake Hazard and Risk in the Mediterranean Region (EHRMR-2024)
- **Organizing and scientific committee:** 6th International Conference on Natural Resources and Sustainable Environmental Management
- **Organizing and scientific committee:** 2nd International Conference on Earthquake Hazard and Risk in the Mediterranean Region
- **Organizing and scientific committee:** Third International Conference On "Cyprus Issue: Environmental Challenges And Energy Security"
- **Organizing and scientific committee:** fifth international conference on natural resources and sustainable environmental management
- **Organizing and scientific committee:** 2nd International Conference on "The Cyprus Issue: Past, Present and The Vision for the Future"

- **Organizing and scientific committee:** 2nd International Conference on Water Problems in the Mediterranean Countries
- **Organizing and scientific committee:** 2nd International Conference of Environment: Survival and Sustainability
- **Seminar:** Smart City and Sustainable Water Resources Management Strategies (**Organized**)
- **Seminar:** Smart Cities and Sustainable Development Goals: Challenges and Opportunities (**Organized**)
- **Seminar:** Climate Change and Use of Machine Learning for Climate Change Assessment (**Organized**)
- **Seminar:** Publication and Selecting a Suitable Dissertation Topic (**Organized**)

12. Ödüller

- YDÜ Bilimsel Araştırma Ödülü 2018, 2020, 2021 ve 2022

13. Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2021 - 2022	Güz	Thermodynamic I	4	-	47
	Güz	Fluid Mechanics	4	-	38
	Güz	Internal Combustion Engine	3	-	28
	Güz	Reverse Engineering Method	3	-	23
	Bahar	Thermodynamic II	3	-	13
	Bahar	Dynamic of Machinery	4	-	28
	Bahar	Strength of Material	4	-	38
	Bahar	Heat Transfer	4	-	31
2022 - 2023	Güz	Thermodynamic I	4	-	75
	Güz	Fluid Mechanics	4	-	26
	Güz	Internal Combustion Engine	3	-	16
	Güz	Statics	4	-	42
	Bahar	Thermodynamic II	3	-	20
	Bahar	Dynamic of Machinery	4	-	15
	Bahar	Strength of Material	4	-	52
	Bahar	Heat Transfer	4	-	22