

**ACADEMIC  
CURRICULUM VITAE**

**1. Name -Surname:**Hüseyin Çamur

**2. Title:** Assoc. Prof. Dr.

**3. Educational Background:**

<b>Degree</b>	<b>Department/Program</b>	<b>University</b>	<b>Year</b>
Bachelor's	Mechanical Engineering	Technical University of Braunschweig / Germany	1986
Master's	Mechanical Engineering	Technical University of Braunschweig / Germany	1988
PhD	Mechanical Engineering	Firat University	2000

**4. Master's / PhD Thesis**

**4.1.Master's Thesis Title and Thesis Advisor(s):**

**Master's Thesis Title:** Calculation of the static and dynamic bearing characteristics of axial spring bearings in foil design.

**Thesis Advisor:** Prof. Dr. Ing. J. Glienicke

**4.2.PhD Thesis /MedicalSpecialty Thesis Title and Advisor(s):**

**PhD Thesis Title:** The investigation of fluid film movement due to gravity along an inclined smooth and rough plates.

**Thesis Advisor:** Prof. Dr. Ömer E. Peremeci

**5. Academic Titles:**

**Date of AssistantProfessorship:** 24.01.2001

**Date of AssociateProferssorship:** 22.02.2019

**Date of Professorship:-**

**6. Supervised Master's and PhD Theses:**

**6.1.Master's Theses**

- Kassem, Y. (2012). Determination of the Aerodynamic Parameters of the Airfoils for a Wind Car. **Completed**
- Oluwaye, I. (2013). Determination of Kinematic Viscosity of different Biodiesel Fuels at various Temperatures. **Completed**
- Qadir, D. A. (2013). Measurements of the Kinematic Viscosities of various Biodiesels at low Temperatures. **Completed**
- Mohamad, M. A. H. (2016). Experimental Investigation on the Geometrical Parameters on the the Performance of Savonius Vertical Axis Wind Turbine. **Completed**
- El-Ghazali, A. (2016). The Influence of Turbine Geometry on the Performance of C-Section Vertical Axis Wind Turbine. **Completed**
- Ahmed, T. M. (2016). Prediction of Aerodynamic Characteristics of Savonius wind Turbine Using Artificial Neural Network and Fourier series. **Completed**
- Hamde M. Y. H. (2017). An Experimental Investigation of Optimum Configuration of the Savonius Wind Turbine Rotors through Open Wind Tunnel at low wind speed conditions. **Completed**
- AL Ghriyah, M. H. M. (2017). An Experimental Study on Improvement of a Savonius Wind Turbine Rotor Performance Using Multiple Halves Blades. **Completed**
- Bennur, K. E. (2017). Empirical Models for Predicting Kinematic Viscosity and Density of Biodiesel-Petroleum Diesel Blends. **Completed**
- Orieke, O. K. (2017). Determination and Prediction of Kinematic Viscosity of Biodiesel Blends. **Completed**
- Abdusalam, M. A. M. (2017). Selection of a Wind Turbine Using the Wind DataAnalysis. **Completed**
- Atim, G. A. (2017). Effects of Temperature and Fatty Acid Composition on the Kinematic Viscosity of Biodiesel: Empirical and Mathematical Models. **Completed**
- Aktuđ, B. (2017). Influence of Storage Period on Fuel Properties of Biodiesel Prepared From Waste Vegetable Oils. **Completed**
- Cole, O. A. (2017). Measurements and Calculations of Biodiesel Blend Properties at a Constant Storage Temperature. **Completed**
- Ghisheer, M. M. M. (2017). Determination of Kinematic Viscosity, Density and Cold Flow Properties of Biodiesel Blend at Constant Storage Temperature. **Completed**
- Dib, M. S. (2018). An Investigation of Biodiesel Blend Properties at Constant Storage Temperature. **Completed**
- Özgenç, E. (2018). An Investigation of the Biodiesel Ageing Effects on Biodiesel Blend Properties. **Completed**
- Alghazali, A. M. S. (2018). Evaluation of wind energy potential and estimation of cost using wind energy turbines for electricity generation in Northern Cyprus. **Completed**
- Babvu, T. N. (2018). Impact of Storage Conditions on Thermal Analysis and Biodiesel Properties Derived from Used Cooking Oil. **Completed**
- Bornu, N. B. (2018). Temperature and Thermal analysis Effect on Waste Sunflower Biodiesel Properties in Different Storage Conditions. **Completed**
- Hadji, N. (2019). Evaluation of Solar Energy Potential in Ethiopia as Power Generation Source: A case Study at 100 Selected Cities. **Completed**
- Mizran, M. M. R. M. (2019). Solar Radiation and Wind And Their Role In Energy Production In Beirut, Lebanon. **Completed**
- Alayat, M. M., M. (2019). Evaluation of wind energy potential at some selected locations in Northern Cyprus. **Completed**

- Phiri, P. (2019). An experimental study of the effect of temperature, pressure and flow rate on modified Zadora gold elution process. **Completed**
- Saeed, R. H. (2019). An experimental investigation on thermal analysis cold flow properties of various biodiesel samples. **Completed**
- Adewumi, A. O. (2019). evaluation of wind energy potential in northern Nigeria as power generation source. **Completed**
- Abid Khan, M. (2019). Assessment of wind/solar energy potential as a power generation sources at some selected locations in Pakistan. **Completed**
- Abugarara, M. A. (2020). Analysis of wind speed data and wind energy potential in three regions, Libya, using different distribution functions. **Completed**
- AlmonsefAlhadı Salem Mosbah, A. A. S. (2020). Wind home system: a case study in Güzelyurt, northern Cyprus. **Completed**
- Abdulmajıd Ahmed AmhımmıdBahrın, A. A. A. (2020). Solar home system: a case study in Güzelyurt, northern Cyprus. **Completed**
- Alhuoti, S. M. A. (2020). Evaluation of solar energy potential in northern Cyprus. **Completed**
- Alassi, E. (2020). Investigation of the fuel properties of four biodiesel and their blends under various of storage conditions. **Completed**
- Abughında, O. A. M. (2020). Feasibility of 10mw grid-connected pv power generationsystem: a case study in Libya. **Completed**
- Al-ani, A. M. R. (2021). Prediction of cetane number of various biodiesels using mathematical models .**Completed**
- Bamayı. B. (2023). Effects of locust beans, banana sap and lemon leaves on the corrosion rate of mild steel in acidic medium. **Completed**
- Zakwan. A. H. M. A. (2023). Design of a test bench to investigate stability in the pitch of a tiltwing UAV in hover mode. **Completed**
- Duke. G. E. (2023). Optimization of noiseless UAV propeller blade for low Reynolds number applications. **Completed**
- Nkanga, N. A. (2023). Evaluation of Wind Energy Potential And CostEstimation in Nigeria. **Completed**

## 6.2. PhD Theses

- Kassem, Y. (2017). An experimental and numerical investigation of some Thermo physical properties of waste vegetable oil biodiesel at various temperatures. **Completed**
- Achamyeleh, T. (2022). Mechanical strength variability of deformed reinforcing steel bars for concrete structures in Ethiopia. **Completed**

## 7. Publications

### 7.1. Articles Published in International Peer-Reviewed Journals (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. (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 (2.702)
- 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., 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
- Çamur, H., &Alassi, E. (2021). Physicochemical Properties Enhancement of Biodiesel Synthesis from Various Feedstocks of Waste/Residential Vegetable Oils and Palm Oil. *Energies*, 14(16), 4928.
- Abdallah, R., Juaidi, A., Savaş, M. A., Çamur, H., Albatayneh, A., Abdala, S., & Manzano-Agugliaro, F. (2021). A critical review on recycling composite waste using pyrolysis for sustainable development. *Energies*, 14(18), 5748.
- Çamur, H., & Al-Ani, A. M. R. (2022). Prediction of oxidation stability of biodiesel derived from waste and refined vegetable oils by statistical approaches. *Energies*, 15(2), 407.
- Achamyeleh, T., Çamur, H., Savaş, M. A., &Evcil, A. (2022). Mechanical strength variability of deformed reinforcing steel bars for concrete structures in Ethiopia. *Scientific Reports*, 12(1), 1-10.
- Ibrahim, M. A., Çamur, H., Savaş, M. A., & Sabo, A. K. (2022). Multi-response optimization of the tribological behaviour of PTFE-based composites via Taguchi grey relational analysis. *Strojnikivestnik-Journal of Mechanical Engineering*, 68(5), 359-367.
- Abdallah, R., Juaidi, A., Abdel-Fattah, S., Qadi, M., Shadid, M., Albatayneh, A., ... & Manzano-Agugliaro, F. (2022). The effects of soiling and frequency of optimal cleaning of PV panels in Palestine. *Energies*, 15(12), 4232.

- Ibrahim, M. A., Çamur, H., Savaş, M. A., & Abba, S. I. (2022). Optimization and prediction of tribological behaviour of filled polytetrafluoroethylene composites using Taguchi Deng and hybrid support vector regression models. *Scientific Reports*, 12(1), 10393.
- Abdallah, R., & Çamur, H. (2022). Assessing the Potential of Wind Energy as Sustainable Energy Production in Ramallah, Palestine. *Sustainability*, 14(15), 9352.
- Ibrahim, M. A., Çamur, H., Savaş, M. A., Sabo, A. K., Mustapha, M., & Abba, S. I. (2022). Hybrid Artificial Intelligence Models with Multi Objective Optimization for Prediction of Tribological Behavior of Polytetrafluoroethylene Matrix Composites. *Applied Sciences*, 12(17), 8671.
- 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., 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.
- Çamur, H., Kassem, Y., & Alessi, 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., 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., 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., 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.
- Al-Ghriyah, M., Çamur, H., Zulkafli, M., Abid Khan, M., Kassem, Y., & Esenel, E. (2018). Study of Multiple Half Blades Effect on the Performance of Savonius Rotor: Experimental Study and Artificial Neural Network (ANN) Model. *Indian Journal of Science and Technology*, 11(38). doi:10.17485/ijst/2018/v11i38/129966
- Abdallah, R., Juaidi, A., Salameh, T., Jeguirim, M., Çamur, H., Kassem, Y., & Abdala, S. (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., 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., 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., 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., 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., 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., 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., Çamur, 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., Çamur, 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
- Bakande, C., Kassem, Y., & Çamur, H. (2020). Mathematical Models for Predicting the Biodiesel. *International Journal of Innovative Technology and Exploring Engineering*, 2362–2376.

## 7.2. Articles Published in Other International Peer-Reviewed Journals

- 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., 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., 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., 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).
- Abdallah, R., Alsurakji, T., Juaidi, A., Abdel-Fattah, S., Haniyeh, M., Albatayneh, A., &Çamur, H. (2022). The use of SolidWorks in the evaluation of wind turbines in Palestine. *Energy Nexus*, 7, 100135.

### **7.3. Papers Presented at International Scientific Conferences and Published in Conference**

#### **Proceedings**

- Hüseyin Camur, K.Balasubramanian and Omer E.Peremeci ,”Determination of Free Surface Flow Characteristics of Free Falling Fluid over an inclined plate by opto-coupler arrangement”, *IEEE Instrumentation and Measurement Technology Conference*,.pp.:896-902, Budapaest, Hungary, May, 2001.
- Huseyin Camur and K. Balasubramanian, “Fluid pressure measurement while filling a rectangular cylinder by a pressure cell of opto-electronic arrangement embedded on a diaphragm”, *SPIE’s International Conference on Optomechatronics Systems III*, Stuttgart, Germany. Vol. 4902, pp.:124-133, , 12-14 November 2002
- 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. (2018). 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 Applications of Fuzzy Systems and Soft Computing ICAFS 2018 27-28 August 2018, Warsaw, Poland. In press
- Kassem, Y., Gökçekuş, H., &Çamur, H. (2018). 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 Applications of Fuzzy Systems and Soft Computing ICAFS 2018 27-28 August 2018, Warsaw, Poland. In press
- Kassem, Y., Faraj, R. &Çamur, H. (2018). Mechanical engineering with solidwork flow simulation improving and supporting undergraduate student learning in mechanical engineering courses: Fluid dynamic course. 7th Cyprus International Conference on Educational Research (CYICER-2018), 5(4).

- 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., &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. 10th International Conference On Theory And Application Of Soft Computing, Computing With Words And Perceptions - ICSCCW 2019. Advances in Intelligent Systems and Computing. 872-879.https://doi.org/10.100.7/978-3-030-352493\_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. 10th International Conference On Theory And Application Of Soft Computing, Computing With Words And Perceptions - ICSCCW 2019. Advances in Intelligent Systems and Computing. 872-879.https://doi.org/10.100.7/978-3-030-352493\_116.
- Netshimbupfe, 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
- Chiwuzie, E., Mohammad Abdel Fattah A. R. Haboush, 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
- Çamur, H., & Abdallah, R. (2021). Investigation of the Palestinian overall heat transfer coefficient and comparison with International Building Codes. In *2021 12th International Renewable Engineering Conference (IREC)* (pp. 1-5). IEEE.
- Kassem, Y., Çamur, H., Abdalla, M. A. H. A., Erdem, B. D., & Al-ani, A. M. R. (2021). Evaluation of wind energy potential for different regions in Lebanon based on NASA wind speed database. In *IOP Conference Series: Earth and Environmental Science* (Vol. 926, No. 1, p. 012093). 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. In *IOP Conference Series: Earth and Environmental Science* (Vol. 926, No. 1, p. 012092). IOP Publishing.
- 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 *11th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence-ICSCCW-2021 11* (pp. 316-323). Springer International Publishing.
- Kassem, Y., Çamur, H., Burge, G., Netshimbupfe, A. F., Sharfi, E. A., Demir, B., & Al-Ani, A. M. R. (2022). Using Machine Learning Techniques for Estimating the Electrical Power of a New-Style of Savonius Rotor: A Comparative Study. In *Intelligent Computing & Optimization: Proceedings of the 4th International Conference on Intelligent Computing and Optimization*



2021 (ICO2021) 3 (pp. 167-174). Springer International Publishing.

- 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 *Climate Change, Natural Resources and Sustainable Environmental Management* (pp. 139-146). Cham: Springer International Publishing.
- 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 *Advanced Computing and Intelligent Technologies: Proceedings of ICACIT 2022* (pp. 441-450). 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., Çamur, H., Özdemir, T., &Bamayi, 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., 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.
- 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.
- Ibrahim, M. A., Çamur, H., Savaş, M. A., Sabo, A. K., Tukur, S. A., Gidado, A. Y., ... & Ramesh, S. (2023). Dynamic mechanical thermal analysis of PTFE based composites. In *AIP Conference Proceedings* (Vol. 2643, No. 1, p. 050019). AIP Publishing LLC.
- Kassem, Y., Çamur, H., & Abdalla, M. H. (2023, December). 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.
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- Huseyin Camur and Omer E. Peremeci, "Investigation of free surface flow characteristics of free falling fluid over an inclined plate without roughness due to gravity effects", 2nd international Faculty of Architecture and Engineering Symposium of European University of Lefke, TRNC, , pp105-113, 6-8 November 2002.
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- Huseyin Camur, K.Balasubramanian and Omer E.Peremeci , "Optical means of determining the surface flow characteristics of open channel flows: a proposed design", Proceedings of the 17th IEEE Instrumentation and Measurement Technology Conference, , pp 262-268, Baltimore, Maryland, USA, May, 2000
- Hüseyin Çamur, Ö.E.Peremeci, "Calculation of Mean Square Error of a Cavity with Deformed Geometrical Boundary Conditions, "10th Year Symposium of the Faculty of Architecture and Engineering, European University of Lefke, , pp222-232 TRNC, 16-18Nov.2000
- Hüseyin Çamur, Ö.E.Peremeci, "Determination of the Velocity, Pressure Distribution and Stream Lines of 2D-Cavity problem for Different Geometrical Ratios using the Control Volume Method (CVM), "10th Year Symposium of the Faculty of Architecture and Engineering, European University of Lefke, , pp238-244 TRNC, 16-18Nov.2000.

#### **7.4. National/international Books orBook Chapters**

#### **7.5. Articles Published in National Peer-Reviewed Journals**

### **8. Art and Design Activities**

### **9. Projects**

### **10. Administrative Responsibilities**

- Mathematics Program Coordinator, European University of Lefke, 1994-1998
- Academic Program Coordinator, European University of Lefke, 1998-1999
- Advanced Vocational School Director, European University of Lefke, 1999-2004
- Deputy Head of Mechanical Engineering Department, Faculty of Engineering, Near East University, 2/2015 - 9/2015
- Head of Mechanical Engineering Department, Faculty of Engineering, Near East University, 28.06.2019 - Present

### **11. Memberships in Scientific and Professional Organizations**

- **Scientific committee:** 6th International Conference on Natural Resources and Sustainable Environmental Management
- **Scientific committee:** Third International Conference On "Cyprus Issue: Environmental Challenges And Energy Security"

- **Scientific committee:** fifth international conference on natural resources and sustainable environmental management

## 12. Awards

- NEU Scientific Research Award 2020, 2021 and 2022.

## 13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	Fall	Termodinamik I	4		28
	Fall	Akışkanlar Mekaniği	4		30
	Fall	Boundary Layer Theory	3		10
	Fall	Graduation Project		2	8
	Spring	Termodinamik II	3		24
	Spring	Isi Transferi	4		20
	Spring	Graduation Project		4	16
	Spring	Advanced Fluid Mechanics	3		9
2022 - 2023	Fall	Termodinamik I	4		25
	Fall	Akışkanlar Mekaniği I	4		32
	Fall	Boundary Layer Theory	3		12
	Fall	Graduation Project		2	8
	Spring	Termodinamik II	4		20
	Spring	Isı Transferi	4		18
	Spring	Mass Transfer	4		1
	Spring	Kütle Transferi	4		6
	Spring	Advanced FluidMechanics	3		10