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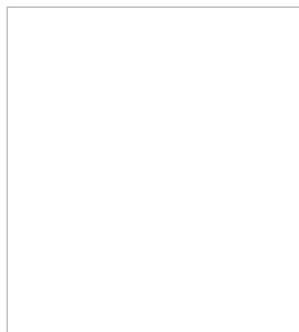
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ScopusID: 8319718800

Yoksis Researcher ID: 174336



Education

Doctorate	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey
2002 - 2007	

Academic Positions

Professor	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering
2021 - Continues	
Associate Professor	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering
2014 - 2021	
Assistant Professor	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering
2008 - 2014	
Research Assistant PhD	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering
2007 - 2008	
Research Assistant	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering
1999 - 2007	

Funded Projects

1. PUSAT \$., ERDEM H. H., AKKAYA A. V., Project Supported by Higher Education Institutions, Fotovoltaik güneş panellerinin ısınma sorununun faz değiştiren malzemelerle çözülmesinin deneysel araştırılması, 2024 - Continues
2. Akkaya A. V., Development Agency, Hazır Giyim ve Tekstil Sektörlerinde Çevresel Sürdürülebilirliğin Güçlendirilmesi: Karbon Ayak İzinin Azaltılması, 2021 - 2023
3. AKKAYA A. V., Agbaje M. A., Project Supported by Higher Education Institutions, Tersinir katı oksit hücreli bir sistemin modellenmesi ve analizi, 2021 - 2021
4. Erdem H. H., Pusat \$., Akkaya A. V., Technopark, Baca Gazi Ölçüm Cihazı Geliştirilmesi, 2019 - 2020
5. Pusat \$., Yumurtacı Z., Akkaya A. V., Çetin B., Javani N., Project Supported by Other Official Institutions, Demir-Çelik

Endüstri Atığı Cürufun Isıl Geri Kazanım Potansiyelinin Belirlenerek Elektrik Üretiminde Kullanılmasının Analizi, 2019 - 2019

6. Erdem H. H., Çetin B., Akkaya A. V., Şahin B., Teke İ., Sevilgen S. H., Dağdaş A., Project Supported by Other Private Institutions, EÜAŞ Termik Santralleri için Teknik Konularda Danışmanlık, 2011 - 2015
7. Levy E., TUBITAK Project, Utilization of waste heat to improve efficiency of coal fired power plants with carbon capture, 2011 - 2013
8. Erdem H. H., Çetin B., Akkaya A. V., Üst Y., Şahin B., Teke İ., TUBITAK Project, Termik santral performans izleme ve değerlendirme sistem tasarımı ve uygulaması (PERİDSİS), 2011 - 2013
9. Erdem H. H., Sevilgen S. H., Dağdaş A., Çetin B., Akkaya A. V., Şahin B., Teke İ., TUBITAK Project, Enerji Verimliliğini Artırmak Üzere Termik Santral Atık Isılarını Faydaya Dönüşürme Yöntemlerinin Araştırılması, Geliştirilmesi ve Binalarda Isıtma Uygulaması, 2006 - 2010
10. Bekdemir Ş., Gökçek M., Erdem H. H., Akkaya A. V., Project Supported by Higher Education Institutions, Bir Gaz Türbininde Farklı Yakıtlar Kullanarak Yanma İşleminin Teorik ve Deneysel İncelenmesi, 2006 - 2007

Awards

1. Akkaya A. V., SCI/SCI-expanded kapsamındaki dergilerde en fazla yayın yapan Yrd.Doç.Dr. kategorisinde üniversite üçüncülük ödülü, , Yıldız Teknik Üniversitesi, January 2010
2. Akkaya A. V., SCI/SCI-expanded kapsamındaki dergilerde en fazla yayın yapan araştırma görevlileri kategorisinde üniversite üçüncülük ödülü, Yıldız Teknik Üniversitesi, January 2007

Journal articles indexed in SCI, SSCI, and AHCI

1. **Formulating a novel combined equation for coal calorific value estimation by group method data handling type neural network**
AKKAYA A. V., ÇETİN B.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.46, no.1, pp.15492-15505, 2024 (SCI-Expanded)
2. **Development and performance comparison of optimized machine learning-based regression models for predicting energy-related carbon dioxide emissions**
Koca Akkaya E., AKKAYA A. V.
Environmental science and pollution research international, vol.30, no.58, pp.122381-122392, 2023 (SCI-Expanded)
3. **Electrochemical-energy- exergy analysis of reversible solid oxide cell-based small-scale stand-alone energy storage system**
Agbaje M. A., Akkaya A. V.
Case Studies in Thermal Engineering, vol.52, 2023 (SCI-Expanded)
4. **Examination of Condensation Liquid Formation in Istanbul Natural Gas Distribution Network**
Aytaş E. N., Akkaya A. V.
Separations, vol.10, no.2, 2023 (SCI-Expanded)
5. **Levelised cost of storage analysis for an energy storage system based on reversible solid oxide cell technology**
Agbaje M. A., AKKAYA A. V.
International Journal of Global Warming, vol.30, no.4, pp.367-385, 2023 (SCI-Expanded)
6. **Exergoeconomic analysis of a reversible solid oxide cell-based power-To-syngas-To-power system**
Agbaje M. A., AKKAYA A. V.
International Journal of Exergy, vol.41, no.3, pp.312-336, 2023 (SCI-Expanded)
7. **Coal higher heating value prediction using constituents of proximate analysis: Gaussian process regression model**

- AKKAYA A. V.
INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, vol.42, no.7, pp.1952-1967, 2022 (SCI-Expanded)
8. **Explicit equation derivation for predicting coal moisture content in convective drying process by GMDH-type neural network**
Pusat S., Akkaya A. V.
INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, vol.42, no.6, pp.1852-1865, 2022 (SCI-Expanded)
9. **Predicting coal elemental components from proximate analysis: Explicit versus implicit nonlinear models**
Akkaya A. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.43, no.15, pp.1825-1837, 2021 (SCI-Expanded)
10. **Modifying hydraulic press brake by variable speed drive application: energy saving, CO₂ reduction, and economic analysis**
Caliskan O., Akkaya A. V.
Energy Efficiency, vol.13, no.6, pp.1031-1046, 2020 (SCI-Expanded)
11. **Renovating thermal power plant to trigeneration system for district heating/cooling: Evaluation of performance variation**
Erdem H. H., Akkaya A. V., Dagdas A., Sevilgen S. H., Çetin B., Şahin B., Teke I., Gungor C., Atas S., Basak M. Z.
APPLIED THERMAL ENGINEERING, vol.86, pp.35-42, 2015 (SCI-Expanded)
12. **Predicting Coal Heating Values Using Proximate Analysis via a Neural Network Approach**
Akkaya A. V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, pp.253-260, 2013 (SCI-Expanded)
13. **Analysis of a vapour compression refrigeration system via exergetic performance coefficient criterion**
ÜST Y., AKKAYA A. V., SAFA A.
JOURNAL OF THE ENERGY INSTITUTE, vol.84, no.2, pp.66-72, 2011 (SCI-Expanded)
14. **Simulation and hybrid fuzzy-PID control for positioning of a hydraulic system**
Cetin S., AKKAYA A. V.
NONLINEAR DYNAMICS, vol.61, no.3, pp.465-476, 2010 (SCI-Expanded)
15. **Thermodynamic analysis of an existing coal-fired power plant for district heating/cooling application**
Erdem H. H., Dagdas A., Sevilgen S. H., Çetin B., Akkaya A. V., Şahin B., Teke I., Gungor C., Atas S.
APPLIED THERMAL ENGINEERING, vol.30, pp.181-187, 2010 (SCI-Expanded)
16. **Comparative energetic and exergetic performance analyses for coal-fired thermal power plants in Turkey**
Erdem H. H., Akkaya A. V., Çetin B., Dagdas A., Sevilgen S. H., Şahin B., Teke I., Gungor C., Atas S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.48, pp.2179-2186, 2009 (SCI-Expanded)
17. **Thermodynamic model for exergetic performance of a tubular SOFC module**
AKKAYA A. V., ŞAHİN B., ERDEM H. H.
RENEWABLE ENERGY, vol.34, no.7, pp.1863-1870, 2009 (SCI-Expanded)
18. **A study on performance of solid oxide fuel cell-organic Rankine cycle combined system**
AKKAYA A. V., ŞAHİN B.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.33, no.6, pp.553-564, 2009 (SCI-Expanded)
19. **Proximate analysis based multiple regression models for higher heating value estimation of low rank coals**
Akkaya A. V.
FUEL PROCESSING TECHNOLOGY, vol.90, pp.165-170, 2009 (SCI-Expanded)
20. **An analysis of SOFC/GT CHP system based on exergetic performance criteria**

- AKKAYA A. V., ŞAHİN B., ERDEM H. H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.33, no.10, pp.2566-2577, 2008 (SCI-Expanded)
21. Electricity production cost analysis of a combined cycle power plant
Çetin B., Erdem H. H., Sevilgen S. H., Akkaya A. V.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.3, pp.224-232, 2008 (SCI-Expanded)
22. Exergetic performance coefficient analysis of a simple fuel cell system
AKKAYA A. V., ŞAHİN B., ERDEM H. H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.32, no.17, pp.4600-4609, 2007 (SCI-Expanded)
23. Electrochemical model for performance analysis of a tubular SOFC
Akkaya A. V.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.31, no.1, pp.79-98, 2007 (SCI-Expanded)
24. Emission assessment for cogeneration systems
Erdem H. H., Sevilgen S. H., Akkaya A. V., Cetin B.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.2, no.3, pp.267-275, 2007 (SCI-Expanded)
25. Effect of bulk modulus on performance of a hydrostatic transmission control system
Akkaya A. V.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.31, pp.543-556, 2006 (SCI-Expanded)
26. Effect of economic parameters on power generation expansion planning
Sevilgen S., Erdem H. H., Cetin B., Akkaya A. V., Dagdas A.
ENERGY CONVERSION AND MANAGEMENT, vol.46, pp.1780-1789, 2005 (SCI-Expanded)

Articles Published in Other Journals

1. GMDH-type neural network based monthly electricity demand forecasting of Turkey
Akkaya A. V.
International Advanced Researches and Engineering Journal, vol.5, no.1, pp.53-60, 2021 (Peer-Reviewed Journal)
2. PERFORMANCE ANALYZING OF AN ORGANIC RANKINE CYCLE UNDER DIFFERENT AMBIENT CONDITIONS
Akkaya A. V.
JOURNAL OF THERMAL ENGINEERING, vol.3, no.5, pp.1498-1504, 2017 (ESCI)
3. Neural network approach for performance prediction of a solid oxide fuel cell
Akkaya A. V.
Technology, vol.12, no.3, pp.211-216, 2009 (Peer-Reviewed Journal)
4. Gaz türbinli kombine çevrim sisteminin termodinamik optimizasyonu
Çetin B., Erdem H. H., Sevilgen S. H., Gökcük M., Akkaya A. V.
Sigma-Mühendislik ve Fen Bilimleri Dergisi, vol.2, no.2, pp.50-62, 2006 (Peer-Reviewed Journal)
5. Simulink kullanarak bir pnömatik sistemin simülasyonu
Akkaya A. V., Sevilgen S. H., Erdem H. H., Çetin B.
Doğuş Üniversitesi Dergisi, no.6, pp.155-162, 2005 (Peer-Reviewed Journal)
6. Gaz türbinlerinin kısmi yüklerdeki birim elektrik üretim maliyetinin analizi
Erdem H. H., Sevilgen S. H., Akkaya A. V., Çetin B.
Sigma-Mühendislik ve Fen Bilimleri Dergisi, no.1, pp.123-132, 2005 (Peer-Reviewed Journal)
7. Taşıt süspansiyon sisteminin kendini ayarlayabilen bulanık mantık ile kontrolü
Akkaya A. V., Sağırlı A., Boğoğlu M.
Sigma- Mühendislik ve Fen Bilimleri Dergisi, no.2, pp.82-91, 2004 (Peer-Reviewed Journal)
8. Kojenerasyon sistemlerindeki yakıt fiyatlarının ve birim yakıt maliyetlerinin analizi
Erdem H. H., Sevilgen S. H., Çetin B., Akkaya A. V.
Sigma-Mühendislik ve Fen Bilimleri Dergisi, no.1, pp.128-138, 2004 (Peer-Reviewed Journal)
9. Hidrolik Güç Sistemlerinde Kavitasyon Olayı ve Saptama Metotlarının İncelenmesi
Öztürk R., Akkaya A. V., Bayraktar S.

- Hidrolik ve Pnömatik Dergisi, vol.3, no.8, pp.140-146, 2003 (Peer-Reviewed Journal)
10. **Bir hidrolik sistemin dinamik davranışlarının benzetimi**
Akkaya A. V., Öztürk R.
Yıldız Teknik Üniversitesi Dergisi, no.3, pp.67-74, 2002 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

1. **Conceptual Design and Energy Management of a Hybrid Energy-Powered UAV for Reconnaissance Missions**
Orhan Y., Akkaya A. V.
2nd International Thales Congress on Life, Engineering, Architecture, and Mathematics, Cairo, Egypt, 25 - 26 January 2025, pp.358
2. **Investigation of the Parameters Affecting the Performance of Reversible Solid Oxide Cells**
Korkmaz H., Akkaya A. V.
14th International 100% Renewable Energy Conference, İstanbul, Turkey, 17 - 19 April 2024, pp.21-34
3. **Waste Heat Recovery From Blast Furnace Slag with Supercritical CO₂ Power Cycles and Thermo-Economic Analysis**
Bektaş A. C., Akkaya A. V.
9th Global Congress on Renewable Energy and Environment (ESWAE-2021), Girne, Cyprus (Kktc), 8 - 10 July 2021, vol.1, pp.1
4. **Electrochemical, energy and exergy-based performance assessment of a reversible solid oxide cell stack**
Agbaje M. A., Akkaya A. V.
5th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 24 - 25 April 2021, pp.1
5. **Zero dimensional modelling and analysis of a reversible solid oxide cell system for electrical energy storage**
Agbaje M. A., Akkaya A. V.
Internal Conference on Energy, Environment and Storage of Energy Symposium, Kayseri, Turkey, 19 - 21 November 2020, pp.1-12, (Full Text)
6. **Kömür Yakıtlı Termik Santrallerde Kömür Kurutma**
Pusat Ş., Erdem H. H., Akkaya A. V.
Elektrik İletim ve Üretiminde Enerji Verimliliği Sempozyumu, Ankara, Turkey, 24 February 2020, pp.27-28
7. **Dynamic Performance of a Hydraulic System Driven By a Variable Speed AC Electric Motor with Electro-Hydraulic Load Sensing**
Kandeniz A., Bayraktar M., Akkaya A. V.
International Symposium For Environmental Science and Engineering Research (ISESER 2019), Konya, Turkey, 25 - 27 May 2019, pp.94-100
8. **Simple Use of Symbolic Regression Via Genetic Programming in the Prediction of Wind Speed**
Pusat Ş., Akkoyunlu M. T., Akkaya A. V.
XIII Balkan Conference on Operational Research , Belgrade, Serbia, 25 - 28 May 2018, pp.21
9. **Experimental investigation of energy consumption for a hydraulic system driven by fixed and variable speed**
Çalışkan O., Akkaya A. V.
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 19 - 21 December 2017, pp.279-285
10. **Modeling and simulation of coal fired supercritical power plant**
Akkaya A. V.
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.333
11. **Random Forest based Estimation Model for Coal Elemental Components**

- Akkaya A. V.
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.504-508, (Full Text)
12. **Bir termik santraldeki çapraz akışlı cebri sirkülasyonlu soğutma kulesinin analizi**
Akkaya A. V.
3. ANADOLU ENERJİ SEMPOZYUMU, Muğla, Turkey, 1 - 03 October 2015, pp.506-515, (Full Text)
13. **Development of Anfis based prediction model for coal heating value**
Akkaya A. V., Şaban T., Abdullah D.
International Congress on Natural and Engineering Sciences, Sarajevo, Bosnia And Herzegovina, 9 - 13 September 2015, pp.6
14. **Design and feasibility study for a manure based biogas power generation system**
Şenakin H., Ceren M. K., Akkaya A. V.
International Conference on Advance in Mechanical Engineering, İstanbul, Turkey, 13 - 15 May 2015, pp.674-682
15. **Bir biyokütle gazlaştırıcının termodinamik modeli, simülasyonu ve analizi**
İzgi B., Akkaya A. V.
2. Anadolu Enerji Sempozyumu, Diyarbakır, Turkey, 2 - 04 May 2013, pp.589-598
16. **Performance analysis of an Organic Rankine Cycle recovering waste gas heat**
AKKAYA A. V., PUSAT Ş., zahid başak m.
10th International Conference on Clean Energy (ICCE 2010), Famagusta, Cyprus (Kktc), 15 - 17 September 2010, pp.1-7
17. **Katı Atık Depo Saha Gazını Kullanarak Elektrik Üreten Sistemlerin Ekonomik Analizi**
Akkaya A. V., Akkaya E.
AB Sürecinde Türkiye'de Katı Atık Yönetimi ve Çevre Sorunları Sempozyumu, İstanbul, Turkey, 28 - 31 May 2008, pp.1-8
18. **Modeling and simulation of hydrogen fed SOFC-GT hybrid system**
Akkaya A. V.
The 2nd International Hydrogen Energy Congress and Exhibition Proceedings, İstanbul, Turkey, 13 - 15 July 2007, pp.1-7
19. **Kızgın Buhar Basıncı ve Sıcaklığının Kombine Çevrim Performansına Etkisi**
Çetin B., Erdem H. H., Sevilgen S. H., Akkaya A. V., Gökçek M.
12. Uluslararası Kojenerasyon, Kombine Çevrim ve Çevre Konferansı ve Sergisi, İstanbul, Turkey, 25 - 26 May 2006, pp.141
20. **A parametric study for analysis of combined cycle system performance**
Çetin B., Erdem H., Sevilgen S., Akkaya A. V.
1st International Symposium and Exhibition on Environment-Friendly Energy Sources and Technologies, İzmir, Turkey, 5 - 07 September 2005, pp.33-37
21. **Self tuning fuzzy logic control of a hydraulically actuating system**
Akkaya A. V., Çetin Ş.
2nd International Conference on Intelligent Knowledge Systems, İstanbul, Turkey, 6 - 08 July 2005, pp.154-158
22. **Determining operating conditions of integrated gas turbine-geothermal power plant with exergy analysis**
Erdem H. H., Akkaya A. V., Dağdaş A., Sevilgen S., Çetin B.
The Second International Exergy, Energy and Environment Symposium, Athens, Greece, 03 July 2005 - 07 July 2019, pp.1-6, (Full Text)
23. **Gaz Türbinlerinde Evaporatif Soğutmanın Ekonomik Analizi**
Erdem H. H., Sevilgen S. H., Çetin B., Akkaya A. V.
11. Uluslararası Kojenerasyon, Kombine Çevrim ve Çevre Konferansı ve Sergisi, İstanbul, Turkey, 26 - 27 May 2005, pp.158
24. **Comparative economic analysis between fuel cell and conventional power plants**
Akkaya A. V., Sevilgen S., Erdem H. H., Çetin B., Dağdaş A.
Second International Conference on Applied Thermodynamics, İstanbul, Turkey, 18 - 20 May 2005, pp.559-565

25. **The performance analysis of integrated gas turbine-geothermal power plant with respect to ambient temperature**
Erdem H. H., Çetin B., Dağdaş A., Akkaya A. V., Sevilgen S.
Second International Conference on Applied Thermodynamics, İstanbul, Turkey, 18 - 20 May 2005, pp.493-500
26. **The analysis of product costs of cogeneration system**
Erdem H. H., Sevilgen S., Çetin B., Akkaya A. V.
The First Cappadocia International Mechanical Engineering Symposium, Nevşehir, Turkey, 14 - 16 July 2004, pp.121-127
27. **Comparison cogeneration system with conventional power plants and evaluation of their environmental impacts**
Sevilgen S. H., Erdem H. H., Akkaya A. V., Çetin B.
the First International Exergy, Energy and Environment Symposium, İzmir, Turkey, 13 - 17 July 2003, pp.1047-1051
28. **Bir Hidrolik Sistemin Yapay Sinir Ağları Temelli Konum Kontrolü**
Mercimek M., Akkaya A. V.
Akıllı Sistemlerde Yenilikler ve Uygulamaları, İstanbul, Turkey, 23 June 2004 - 25 June 2005, pp.175-178
29. **Bir Doğrusal Hidrolik Hareketlendirici Sistemin Bulanık Mantık Yaklaşımıyla Konum Kontrolü**
Akkaya A. V., Çetin Ş.
III.Uluslararası Hidrolik Pnömatik Kongresi ve Sergisi, İzmir, Turkey, 4 - 07 December 2003, pp.81-87
30. **Kojenerasyon Sistemlerinin Yakıt Fiyatlarına Duyarlılığının Analizi**
Erdem H. H., Sevilgen S. H., Çetin B., Akkaya A. V., Dağdaş A.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.123-128
31. **Kojenerasyon ile Yenilenebilir Enerji Sistemlerinin Yeni Bir Yaklaşımla Çevresel Açıdan Karşılaştırılması**
Erdem H. H., Akkaya A. V., Sevilgen S. H., Çetin B., Dağdaş A.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.129-133
32. **Basit Brayton Çevriminin Eksersi Kayıp Oranına Göre Analizi**
Sevilgen S. H., Erdem H. H., Akkaya A. V., Çetin B., Dağdaş A.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.139-142
33. **Gaz Türbinli Sistemlerde Giriş Şartlarının Performansı Etkisi**
Erdem H. H., Sevilgen S. H., Akkaya A. V., Çetin B., Dağdaş A.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.116-122
34. **İzmir-Seferihisar Jeotermal Sahasının Binary Teknolojiyle Elektrik Üretim Potansiyeli**
Dağdaş A., Erdem H. H., Sevilgen S. H., Çetin B., Akkaya A. V.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.134-138
35. **Jeotermal Enerjiden Yararlanmanın Çevresel Avantajları**
Dağdaş A., Akkaya A. V.
IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 - 18 October 2002, pp.687-694
36. **Yenilenebilir Enerji Kaynaklarının Çevresel Açıdan Değerlendirilmesi**
Akkaya A. V., Akkaya E., Dağdaş A.
IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 - 18 October 2002, vol.2, pp.37-44
37. **Farklı Valf Sürgü Yapıları İçin Temel Hidrolik Güç İletim Sisteminin Dinamik Karakteristiklerinin Analizi**
Akkaya A. V., Boğoğlu M.
IV. GAP Mühendislik Kongresi, Şanlıurfa, Turkey, 6 - 08 June 2002, pp.371-377

Academic and Administrative Experience

2018 - Continues

Staj Komisyonu Enerji
Dai Başkanı

Yıldız Technical University, Faculty Of Mechanical Engineering,
Department Of Mechanical Engineering

Courses

Postgraduate

Yakıt Pili ve Hidrojen Teknolojileri, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Endüstri Tesislerinde Enerji Ekonomisi, Postgraduate, 2009 - 2010

Undergraduate

Mühendislik Ekonomisi ve Değer Yönetimi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Turbo Makinalar, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Turbo Makinalar, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011

Teknik Termodinamik 2, Undergraduate, 2013 - 2014

Teknik Termodinamik 1, Undergraduate, 2013 - 2014

Hidrolik Pnömatik, Undergraduate, 2012 - 2013

Sayısal Yöntemler, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009

Termik Makine (Turbo), Undergraduate, 2010 - 2011

Gemi Makinaları 1, Undergraduate, 2010 - 2011, 2009 - 2010

Enerji Santralleri, Undergraduate, 2009 - 2010

Temel Bilgisayar Bilimleri (M), Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009

Makine Mühendisliğine Giriş, Undergraduate, 2010 - 2011, 2009 - 2010

Associate Degree

Hidrolik-Pnömatik Sistemler, Associate Degree, 2008 - 2009

Supervised Theses

Akkaya A. V., Yakıt Hücresi, Fotovoltaik ve Bataryadan oluşan Hibrit Enerji Sistemine sahip Keşif ve Gözlem Amaçlı bir İnsansız Hava Aracının Tasarımı, Postgraduate, Y.Orhan(Student), 2025

Akkaya A. V., Doal Gaz Dağıtım Şebekesinde Yoğuşma Sıvısı Oluşumunun İncelenmesi ve Oluşumun Önlenmesi, Doctorate, E.NUMAN(Student), 2023

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Non Academic Experience

Lehigh University, Energy Research Center, Researcher