

Prof. DURMUŞ KAYA

Personal Information

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Education Information

Doctorate, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 1996 - 2001
Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1994 - 1996
Under Graduate, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1987 - 1991

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Professor, Kocaeli Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2014 - Continues
Professor, Karabük Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2012 - 2014
Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2011 - 2012
Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2010

Professional Experience

Head of Department, Kocaeli Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2016 - Continues
Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2011 - Continues
Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2011 - Continues

Advising Theses

KAYA D., Life cycle management for industrial biogas plant, Post Graduate, M.VOLKAN(Student), 2015
KAYA D., Boya fabrikası kojenerasyon tesisinde enerji analizi, Post Graduate, M.UMUR(Student), 2014
KAYA D., Demirçelik sektöründe kok kuru söndürme sistemlerinin tekno-ekonomik ve çevresel analizi, Post Graduate, C.USLU(Student), 2014
KAYA D., Entegre demir-çelik tesisinde ISO 50001 enerji yönetim sistemi uygulaması, Post Graduate, A.USLU(Student), 2014
KAYA D., Bir sanayi kuruluşunda bir sanayi kuruluşunda detaylı enerji etüt çalışması ve verimlilik imkanlarının belirlenmesi, Post Graduate, S.ÇAĞMAN(Student), 2014
KAYA D., Katı atık bertaraf tesislerinde organik atıklardan açığa çıkan depo gazı ile enerji elde edilmesi, Post Graduate, A.İŞİK(Student), 2014
KAYA D., Organik rankine çevrimsel güç üretim sistemi enerji ve ekserji analizi, Doctorate, M.EYİDOĞAN(Student), 2014
KAYA D., Haddelenmiş sıcak mamülde online yüzey kusur kontrolü, Post Graduate, S.ATAMER(Student), 2014
KAYA D., Entegre demir-çelik tesisinde ISO 14001 çevre yönetim sistemi uygulaması, Post Graduate, M.CEBECİ(Student), 2013

KAYA D., Endüstriyel fırınlarda enerji analizi ve verim artırıcı yöntemler, Post Graduate, E.KILINÇ(Student), 2012
KAYA D., Hayvansal ve bitkisel atıklardan biyogaz üretim prosesinin simülasyon ve optimizasyonu, Post Graduate, V.ÇOBAN(Student), 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Bioenergy life cycle assessment and management in energy generation**
Taylan O., KAYA D., Bakhsh A. A. , Demirbas A.
ENERGY EXPLORATION & EXPLOITATION, vol.36, no.1, pp.166-181, 2018 (Journal Indexed in SCI)
- II. **Exergoeconomic analysis of a geothermal organic Rankine cycle power plant using the SPECO method**
ERGÜN A., ÖZKAYMAK M., Koc G. A. , Ozkan S., KAYA D.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.36, no.3, pp.936-942, 2017 (Journal Indexed in SCI)
- III. **Investigation of Organic Rankine Cycle (ORC) technologies in Turkey from the technical and economic point of view**
EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D., Coban V., Cagman S.
Renewable and Sustainable Energy Reviews, vol.58, pp.885-895, 2016 (Journal Indexed in SCI)
- IV. **Energy and exergy analysis of an organic Rankine cycle in a biomass-based forest products manufacturing plant**
Eyidogan M., ÇANKA KILIÇ F., KAYA D., ÖZKAYMAK M., Coban V., Cagman S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.6, pp.5100-5112, 2016 (Journal Indexed in SCI)
- V. **New markets for renewable industries: Developing countries - Turkey, its potential and policies**
KAYA D., Kilic F.
JOURNAL OF ENERGY IN SOUTHERN AFRICA, vol.26, no.1, pp.25-35, 2015 (Journal Indexed in SCI)
- VI. **Selection of compressors for petrochemical industry in terms of reliability, energy consumption and maintenance costs examining different scenarios**
SAPMAZ S., Kilic F., EYİDOĞAN M., Taylan O., ÇOBAN V., ÇAĞMAN S., KILIÇASLAN İ., KAYA D.
ENERGY EXPLORATION & EXPLOITATION, vol.33, no.1, pp.43-62, 2015 (Journal Indexed in SCI)
- VII. **Energy efficiency in pumps**
Kaya D., Yagmur E. A. , Yiğit K. S. , Kilic F., Eren A. S. , Çelik C.
ENERGY CONVERSION AND MANAGEMENT, vol.49, pp.1662-1673, 2008 (Journal Indexed in SCI)
- VIII. **Mathematical modeling of multiple-effect evaporators and energy economy**
Kaya D., Sarac H. I.
ENERGY, vol.32, no.8, pp.1536-1542, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **LIFE-CYCLE ANALYSIS AND TECHNOECONOMIC MODELING OF AN ENERGY GENERATION SYSTEM**
Kabli M., Taylan O., Bakhsh A., Çalhan R., Yilmaz M. T. , Kaya D., Çanka Kılıç F.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.10, pp.305-316, 2020 (Journal Indexed in ESCI)
- II. **BIOGAS TECHNOLOGIES FOR SUSTAINABLE IMPROVEMENT OF ENERGY DIVERSITY**
Balubaid M., Al Amoudi R., Bakhsh A. A. , Taylan O., Çanka Kılıç F., Kaya D., Al Sasi B.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.10, pp.7-18, 2020 (Journal Indexed in ESCI)
- III. **Sustainable Domestic Solid Waste Management in Jeddah, Saudi Arabia**
KAYA D.
J. Int. Environmental Application Science, vol.14, no.4, pp.193-198, 2019 (Refereed Journals of Other Institutions)

- IV. **Energy Efficiency in the Iron-Steel Sector**
KAYA D.
Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.2, no.2, pp.201-204, 2019 (Other Refereed National Journals)
- V. **A GENERAL EVALUATION OF TURKEY'S ENERGY DIPLOMACY AND THE LATEST CLIMATE CHANGE STUDIES**
ÇANKA KILIÇ F., KILIÇ M. K. , EYİDOĞAN M., KAYA D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.9, pp.23-32, 2019 (Journal Indexed in ESCI)
- VI. **TURKEY'S RENEWABLE ENERGY OUTLOOK AND A GENERAL ASSESSMENT OF RECENT DEVELOPMENTS**
Çanka Kılıç F., Kılıç M. K. , Eyidoğan M., Kaya D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.9, pp.1-10, 2019 (Journal Indexed in ESCI)
- VII. **AN EXAMINATION OF MEASURING AND CONTROL SYSTEMS IN AN INDUSTRIAL BIOGAS PLANT IN TURKEY**
Kılıç M. K. , Abut N., Çanka Kılıç F., Eyidoğan M., Kaya D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.9, pp.11-16, 2019 (Journal Indexed in ESCI)
- VIII. **AN ENERGY AUDIT AND OPTIMIZATION IN BAR MILL ANNEALING FURNACE**
Hadra M., Hergül A. S. , Kaya D., Eyidoğan M., Çanka Kılıç F., Özdemir N. C.
International Journal of Ecosystems and Ecology Science-IJEES, vol.9, pp.33-42, 2019 (Journal Indexed in ESCI)
- IX. **Bir Otomobil Montaj Fabrikasının Enerji Tüketim Analizi ve Enerji Tasarrufu Potansiyelinin Değerlendirilmesi**
AKBAŞ B., KAYA D., EYİDOĞAN M.
Mühendis ve Makina, vol.59, pp.85-100, 2018 (Other Refereed National Journals)
- X. **Endüstriyel Tav Fırınlarında Bir ORC Sistemi Uygulaması ile Enerji Tasarrufu**
ÇANKA KILIÇ F., MEHMET ÖNDER S., EYİDOĞAN M., KAYA D., ÖZDEMİR N. C.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.6, pp.33-43, 2018 (Other Refereed National Journals)
- XI. **DISTRIBUTED ENERGY RESOURCES, THEIR GENERATION SYSTEMS, AND TURKEY**
KILIÇ M. K. , ÇANKA KILIÇ F., KAYA D.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.8, no.1, pp.33-44, 2018 (Journal Indexed in ESCI)
- XII. **Capacity Increase and Energy Efficiency Improvement Studies In A Biogas Power Generation Plant**
KILIÇ M. K. , ABUT N., ÇANKA KILIÇ F., ÇOBAN V., KAYA D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.8, pp.45-56, 2018 (Journal Indexed in ESCI)
- XIII. **Basıncılı Hava Sistemlerinde Enerji Verimliliği ve Emisyon Azaltım Fırsatlarının İncelenmesi**
SAPMAZ S., KAYA D.
Mühendis ve Makina, vol.58, pp.1-14, 2017 (Other Refereed National Journals)
- XIV. **Investigation of District Heating System by Utilizing Waste Heat Sources of a Biogas Power Plant**
HERGÜL A. S. , YÜCE M., ÖZDEMİR N. C. , KAYA D.
Journal of International Environmental Application Science, vol.12, pp.264-269, 2017 (Refereed Journals of Other Institutions)
- XV. **ENERGY CONSUMPTION IN DIFFERENT MECHANIZATION METHODS FOR SUSTAINABLE RAPESEED CULTIVATION**
ÖZTÜRK H. H. , Kilic F., KAYA D.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, no.1, pp.13-26, 2017 (Journal Indexed in ESCI)
- XVI. **AN EVALUATION OF ENERGY AND EXERGY EFFICIENCIES FOR A BIOGAS COGENERATION PLANT**
KAYA D., ÖZTÜRK H. H. , Taylan O., Kilic F., Alidrisi H.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, no.1, pp.27-34, 2017 (Journal Indexed in ESCI)
- XVII. **A RESEARCH ON WATER PUMPING THROUGH SOLAR ENERGY**
ÖZTÜRK H. H. , Koksal M. A. , KAYA D., Kilic F.

- INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, no.1, pp.35-44, 2017 (Journal Indexed in ESCI)
- XVIII. ENERGY CONSERVATION AND EMISSION REDUCTION THROUGH WASTE HEAT RECOVERY ON COMPRESSED AIR SYSTEMS**
SAPMAZ S., KAYA D., EYİDOĞAN M.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.4, pp.509-514, 2016 (Journal Indexed in ESCI)
- XIX. Searching the fertility potential of iron and steel industry blast furnace slag**
ÖZKAYMAK M., selinli S., KAYA D., UZUN Ü.
World Journal of Engineering, vol.13, pp.482-486, 2016 (Refereed Journals of Other Institutions)
- XX. DETERMINATION OF OPTIMUM CONDITIONS FOR CO-DIGESTION OF CATTLE MANURE WITH CHICKEN WASTES AND CHEESE WHEY**
ÇALHAN R., KAYA D., ÇOBAN V.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.3, pp.375-380, 2016 (Journal Indexed in ESCI)
- XXI. The effect of thermal camera and pyrometer usage in industrial tempering furnaces on optimum combustion performance**
ÖZKAYMAK M., SELÇUK S., KAYA D., YILMAZ E., TABAK A., AKSAY M. V.
World Journal Of Engineering, vol.12, no.4, pp.391-398, 2015 (Refereed Journals of Other Institutions)
- XXII. An experimental examination of energy production from domestic-based waste water treatment sludge**
Cagman S., Coban V., Eyidogan M., Kilic F., KAYA D.
WORLD JOURNAL OF ENGINEERING, vol.12, no.1, pp.45-49, 2015 (Journal Indexed in ESCI)
- XXIII. Effects of Various Nitrogen Rates to Biogas Production Yield in Anaerobic Digestion of Only Chicken Manure**
ÇOBAN V., sarac h. i. , KAYA D., EYİDOĞAN M., ÇAĞMAN S.
Life Science Journal-Acta Zhengzhou University Overseas Edition, vol.11, no.2, pp.186-190, 2014 (Refereed Journals of Other Institutions)
- XXIV. Energy and Exergy Efficiencies in Industrial Pumps**
KAYA D., KAYABAŞI E., KILINÇ E., EYİDOĞAN M., SELİMLİ S., ÖZKAYMAK M.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.3, pp.27-42, 2013 (Refereed Journals of Other Institutions)
- XXV. The feasibility analysis of household solid waste recycling and an energy production facility installation in technical and economic point of view**
KAYA D., EYİDOĞAN M., POLAT R., ÇANKA KILIÇ F.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.16, pp.33-38, 2013 (Refereed Journals of Other Institutions)
- XXVI. Renewable Energies Clean Energy Generation and Their Subsidies in Turkey and EU Countries**
KAYA D., ÇANKA KILIÇ F.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.15, pp.113-122, 2012 (Refereed Journals of Other Institutions)
- XXVII. Renewable Energies and Their Subsidies in Turkey and some EU countries Germany as a Special Example**
KAYA D., ÇANKA KILIÇ F.
Journal of International Environmental Application & Science, vol.7, pp.114-127, 2012 (Refereed Journals of Other Institutions)
- XXVIII. Ultra Low Carbon Dioxide CO2 Steelmaking**
YANMAZ M., KAYA D.
Steelmaking, Engineering Science and Technology, vol.15, no.2, pp.71-76, 2012 (Refereed Journals of Other Institutions)
- XXIX. Bitkisel ve Hayvansal Atıklardan Biyogaz Üretim Pilot Tesisi**

E Alptekin Y., KAKAÇ S., EKMEKÇİ İ., YALDIZ O., SARAÇ H. İ., KAYA D.

3e Electrotech, Aylık Enerji, Elektrik, Elektronik Teknolojileri Dergisi, no.220, 2012 (National Non-Refereed Journal)

- XXX. **Sürdürülebilir ve Çevre Dostu Hayvancılık İşletmeciliği Hayvansal Atıklardan Biyoenerji ve Biyoürün Eldesi**
KAYA D., EYİDOĞAN M., DEMİRER G. N., Zorba S., Zorba H. E.
Mühendis ve Makina, vol.52, pp.73-79, 2011 (Other Refereed National Journals)
- XXXI. **The Production of Biogas from Agricultural and Animal Wastes and Its Utilization in the Integrated Energy System Biogas**
YALDIZ O., KAYA D., SARAÇ H. İ., EKİNCİ K., KOÇAR G., Berk K.
Tarım Makinaları Bilimi Dergisi, vol.6, no.1, pp.55-62, 2010 (Other Refereed National Journals)
- XXXII. **Bitkisel ve Hayvansal Atıklardan Biyogaz Üretimi ve Entegre Enerji Üretim Sistemlerinde Kullanımı BİYOGAZ Projesi**
KAYA D., Mustafa T., YALDIZ O., SARAÇ H. İ., EKİNCİ K., KOÇAR G., Necmi K., Ayan E.
Mühendis ve Makine, vol.50, pp.2-14, 2009 (Other Refereed National Journals)
- XXXIII. **TÜBİTAK Pilot Biyogaz Enerji Santrali Proses Tekniği**
KAYA D., YALDIZ O., SARAÇ H. İ., EKMEKÇİ İ., KOÇAR G., Fehmi A., Tırıs M.
Atık Teknoloji Dergisi, no.4, pp.42-46, 2009 (Other Refereed National Journals)
- XXXIV. **Eksenel Akışlı Açık ve Kapalı Pompa Çarklarının Pompa Performansına Etkisinin Deneysel Etüdü**
KAYA D.
Muhendis ve Makina, no.508, pp.47-53, 2002 (Other Refereed National Journals)
- XXXV. **Eksenel Akışlı Pompalarda Teğetsel Hız Enerjisinin Dönüşümünün Etüdü**
KAYA D., SARAÇ H. İ., GÜR M.
Termoklima dergisi, no.99, pp.58-66, 2000 (Other Refereed National Journals)

Books & Book Chapters

- I. **Energy Management and Energy Efficiency in Industry**
KAYA D., ÖZTÜRK H. H., ÇANKA KILIÇ F.
Springer-Verlag, Londrina, 2020
- II. **Güneş Enerjisinden Elektrik Üretimi Potovoltaik Teknoloji**
ÖZTÜRK H. H., KAYA D.
UMUTTEPE YAYINLARI, 2019
- III. **Enerji Yönetimi**
ÖZTÜRK H. H., KAYA D.
Gece Kitaplığı, 2018
- IV. **Hidrojen ve Yakıt Pili Teknolojisi**
KAYFECİ M., ÖZTÜRK H. H., KAYA D.
Umuttepe, Kocaeli, 2017
- V. **Jeotermal Enerji Uygulamaları**
ÖZTÜRK H. H., KAYA D.
Umuttepe, Kocaeli, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **GEMİ İNŞA ve BAKIM-ONARIM ENDÜSTRİSİNDE ÇEVRESEL ETKİLERİN DEĞERLENDİRİLMESİ**
NARCI A. O., CAN DOĞAN E., KAYA D., Coşkun D.
INTERNATIONAL MARMARA SCIENCE AND SOCIAL SCIENCES CONGRESS, Kocaeli, Turkey, 1 - 03 November 2019, pp.872-879

- II. **MADEN SEKTÖRÜNDE ENERJİ VERİMLİLİĞİ**
KAYA D., ATLAM Ö., BAYRAKTAR B.
International Marmara Sciences Congress (Autumn) 2019, 1 - 03 November 2019
- III. **DEMİR ÇELİK SEKTÖRÜNDE ENERJİ VERİMLİLİĞİ**
KAYA D.
International Marmara Sciences Congress (Autumn) 2019, 1 - 03 November 2019
- IV. **TECHNICAL AND ECONOMIC ANALYSIS OF HOUSEHOLD SOLID WASTE RECYCLING AND ENERGY PRODUCTION FOR JEDDAH, SAUDI ARABIA**
KAYA D.
ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ, 1 - 03 November 2019
- V. **ENDÜSTRİYEL İŞLETMELERDE KULLANILAN SOĞUTMA KULELERİNDE ENERJİ VERİMLİLİĞİ İMKANLARININ ARAŞTIRILMASI**
KOPARAN D., KAYA D., EYİDOĞAN M., ÇANKA KILIÇ F.
International Marmara Sciences Congress (Autumn) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1050-1054
- VI. **EKSENEL FANLARDA ENERJİ VERİMLİLİĞİ: TEKSTİL SANAYİ ÖRNEĞİ**
TURNA B., KAYA D., EYİDOĞAN M., ÇANKA KILIÇ F.
International Marmara Sciences Congress (Autumn) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1111-1117
- VII. **Assessment of Environmental Impacts in Shipbuilding and Maintenance-Repair Industry**
NARCI A. O. , CAN DOĞAN E., KAYA D., öztürk d.
International Marmara Sciences Congress, IMASCON, 2019, Kocaeli, Turkey, 1 - 03 November 2019
- VIII. **Organik Rankine Çevrimli ve Biyokütle Yakıtlı Isı Ve Güç Tesisinin Ekonomik Analizi**
ERCAN E., KAYA D., Vescovo F.
International Science and Engineering Applications Symposium on Hazards 2019, 25 - 27 September 2019
- IX. **Turkey's Energy Efficiency Policy Analysis and An Overview of Developments in US, EU countries and Japan**
KADIOĞLU E. K. , KAYA D., ALTINAY M.
International Science and Engineering Applications Symposium on Hazards 2019, 25 - 27 September 2019
- X. **TÜRKİYE'DE SEKTÖREL BAZDA ENERJİ YÖNETİM SİSTEMİ UYGULAMALARININ ENERJİ VERİMLİLİĞİNE ETKİLERİ**
KOÇAK Ö., EYİDOĞAN M., KAYA D.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (BAHAR 2019), 26 - 28 April 2019
- XI. **TÜRKİYE ELEKTRİK DAĞITIM ŞEBEKESİNİN SORUNLARI VE ÇÖZÜM ÖNERİLERİ**
ÖRME M. M. , KAYA D., YÜCE M.
İmascon, 26 - 28 April 2019
- XII. **ENERJİ TESİSLERİNDE POMPA EKİPMANLARINA KORUYUCU BAKIM VE KESTİRİMCİ BAKIM UYGULAMAYÖNTEMLER**
KÜÇÜK C., ASLAN M., HEPKENAR B., KAYA D.
ULUSLARARASI MARMARA FEN VE SOSYAL BİLİMLER KONGRESİ, 23 - 25 November 2018
- XIII. **Nüfusu 100.000 Olan Bir İlçeye Kurulabilecek Çöpten Elektrik Üretim Santrali Modellenmesi ve Fizibilite Çalışmalarının Yapılması**
TOPÇU E., KAYA D.
ULUSLARARASI MARMARA FEN VE SOSYAL BİLİMLER KONGRESİ, 23 - 25 November 2018
- XIV. **Cam Endüstrisinde Enerji Verimliliği**
KAYA D., ÇANKA KILIÇ F., UZUN E., EYİDOĞAN M., TAYLAN O.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi 2018 Bildiriler Kitabı IMASCON 2018, Kocaeli, Turkey, 23 - 25 November 2018, pp.899-905
- XV. **A General Evaluation of Turkey's Energy Diplomacy and The Latest Climate Change Studies**
ÇANKA KILIÇ F., KILIÇ M. K. , EYİDOĞAN M., KAYA D.
International Conference of Ecosystems (ICE2018), Illinois, United States Of America, 22 - 25 June 2018, pp.55-63
- XVI. **Turkey's Renewable Energy Outlook and A General Assessment of Recent Developments**
ÇANKA KILIÇ F., KILIÇ M. K. , EYİDOĞAN M., KAYA D.

- International Conference of Ecosystems (ICE2018), Illinois, United States Of America, 22 - 25 June 2018, pp.46-54
- XVII. An Energy Audit and Optimization in Bar Mill Annealing Furnace**
HADRA M., HERGÜL A. S. , KAYA D., EYİDOĞAN M., ÇANKA KILIÇ F., ÖZDEMİR N. C.
International Conference of Ecosystems (ICE2018), Illinois, United States Of America, 22 - 25 June 2018, pp.103-113
- XVIII. An Examination of Measuring and Control Systems in An Industrial Biogas Plant in Turkey**
KILIÇ M. K. , ABUT N., ÇANKA KILIÇ F., EYİDOĞAN M., KAYA D.
International Conference of Ecosystems (ICE2018), Illinois, United States Of America, 22 - 25 June 2018, pp.64-69
- XIX. SIFIR KARBON AYAK İZİ İLE ATIK ISI GERİ KAZANIM PROJESİ**
KAYA D., EYİDOĞAN M., BERKER S., YÜCE M.
4. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 23 - 24 April 2018
- XX. Bir Entegre Tekstil Üretim İşletmesinde Enerji Verimliliği Çalışması**
SERT M. Ö. , EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D.
1st International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.246-250
- XXI. Bir Kimyasal Üretim Tesisinde Absorbsiyonlu Soğutucu ile Atık Isı Geri Kazanımı**
YILDIRIM İ. M. , KAYA D., EYİDOĞAN M., ÇANKA KILIÇ F., ÖZDEMİR N. C.
1st International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.205-210
- XXII. Bir Kimyasal Üretim Tesisinde Absorbsiyonlu Soğutucu ile Atık Isı Geri Kazanımı**
YILDIRIM İ. M. , KAYA D., EYİDOĞAN M., ÇANKA KILIÇ F., ÖZDEMİR N. C.
1 st International Conference on Energy System Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.205-210
- XXIII. Türkiye’de Lif Levha (MDF) Üretiminde Elektrik Enerjisi Verimliliği**
BİLGİN H., EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D.
1st International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.251-254
- XXIV. Endüstriyel Bir Biyogaz Tesisinde Ölçme ve Kontrol Sisteminin İncelenmesi**
KAYA F. M. , EYİDOĞAN M., KAYA D.
1st International Conference on Energy Systems Engineering November 2-4, 2017 KBU—Karabuk, Turkey, 2 - 04 November 2017
- XXV. DESIGNING A DISTRICT HEATING SYSTEM BY DETERMINING THE WASTEHEAT OF A BIOGAS POWER PLANT**
HERGÜL A. S. , YÜCE M., KAYA D.
UEMK 2017, 12 - 13 October 2017, vol.1, pp.534
- XXVI. ENERGY EFFICIENCY STUDIES IN THE PRODUCTION OF THE CERAMIC TILE MATERIALS IN TURKEY**
EYİDOĞAN M., ÇANKA KILIÇ F., YÜCE M., KAYA D.
2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.511
- XXVII. Energy Efficiency Studies in The Production of the Ceramic Tile Materials in Turkey**
EYİDOĞAN M., ÇANKA KILIÇ F., YÜCE M., KAYA D.
2nd International Energy Engineering Conference 12-13 October 2017, Gaziantep, Turkey, Gaziantep, Turkey, 12 - 13 October 2017, pp.511
- XXVIII. A Sample Combined Heat and Power System for the Residential and Light Commercial Applications**
YÜCE M., HERGÜL A. S. , KAYA D.
ICCESEN 2017, 4 - 08 October 2017, vol.1, pp.245
- XXIX. Electrostatic Powder Coating Plant Conveyor System and Energy Efficiency**
taskan d., HERGÜL A. S. , ÇOBAN V., KAYA D.
3rd Iron and Steel Symposium(UDCS’17), Turkey, 3 - 05 April 2017
- XXX. Energy saving in industrial annealing furnaces through an ORC system application**
ÇANKA KILIÇ F., SERT M. Ö. , EYİDOĞAN M., KAYA D., ÖZDEMİR N. C.
III. International Iron and Steel Symposium (UDCS’17) Iron and Steel Institute, Karabük University, Karabük, Turkey, 3-5 April 2017, Karabük, Turkey, 3 - 05 April 2017, pp.83-88
- XXXI. Capacity Increase and Energy Efficiency Improvement Studies in a Biogas Power Generation Plants**
keskin kılıç m., ÇANKA KILIÇ F., ÇOBAN V., KAYA D.
7th International Conference of Ecosystems (ICE2017) Tirana, Albania, 2 - 05 June 2017

- XXXII. **The effect of temperature on biogas production by co-digestion of cattle manure with poultry manure and cheese whey**
ÇALHAN R., KAYA D., ÇANKA KILIÇ F., EYİDOĞAN M., SAPMAZ S.
The 2nd International Conference on Civil and Environmental Engineering (ICOCEE - Cappadocia), Nevşehir, Turkey, 8 - 10 May 2017, pp.3493-3500
- XXXIII. **Distributed Energy Resources, their Generation Systems, and Turkey**
KILIÇ M. K. , ÇANKA KILIÇ F., KAYA D.
7th International Conference of Ecosystems (ICE2017), Tirana, Albania, June 03, 2017, Tirane, Albania, 2 - 05 June 2017, pp.265-275
- XXXIV. **Capacity Increase and Energy Efficiency Improvement Studies in a Biogas Power Generation Plant**
KILIÇ M. K. , ABUT N., ÇANKA KILIÇ F., ÇOBAN V., KAYA D.
7th International Conference of Ecosystems (ICE2017) Tirana, Albania, June 02,05, 2017, 7th International Conference of Ecosystems (ICE2017) Tirana, Albania, Tirane, Albania, 2 - 05 June 2017, pp.289-301
- XXXV. **Energy Efficiency Increasing and Emission Reduction Opportunities in Compressed Air Systems**
SAPMAZ S., KAYA D., HERGÜL A. S.
ICOCEE 2017, Nevşehir, Turkey, 8 - 10 May 2017, vol.1, pp.2816-2829
- XXXVI. **ELECTRICITY GENERATION WITH ORGANIC RANKINE CYCLE FROM WASTE GASES**
ERCAN E., KÜÇÜK C., KAYA D.
III. International Iron and Steel Symposium (UDCS'17) Iron and Steel Institute, Karabuk University, Karabuk, Turkey, 3 - 05 April 2017
- XXXVII. **Thermal and Process Analysis of a Paddle Dryer for Drilling Mud Drying Process**
SAPMAZ S., KAYA D., KILIÇASLAN İ.
International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, vol.1, pp.3965-3970
- XXXVIII. **Solar Assisted Heating System Design and Performance Evaluation in Terms of Energy and Economical Aspects**
YÜCE M., HERGÜL A. S. , KAYA D.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XXXIX. **Thermal and Process Analysis of a Paddle Drier Drilling Mud Drying Process**
SAPMAZ S., KAYA D., KILIÇASLAN İ.
International Mediterranean Science and Engineering Congress., 26 - 28 October 2016, pp.3965-3970
- XL. **Economic Analysis of Biogas Production from Chicken Manure**
ÇOBAN V., ÇAĞMAN S., EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D.
International Ege Energy Symposium and Exhibition, AFYONKARAHİSAR, Turkey, 11 - 13 May 2016, pp.685-691
- XLI. **Energy Consumption in Different Mechanization Methods for Sustainable Rapeseed Cultivation**
ÖZTÜRK H. H. , ÇANKA KILIÇ F., KAYA D.
6th International Conference of Ecosystems, Tirana, Albania, June 3-6, 2016, Tirane, Albania, 3 - 06 June 2016, pp.347-360
- XLII. **A Research on Water Pumping through Solar Energy**
ÖZTÜRK H. H. , KÖKSAL M. A. , KAYA D., ÇANKA KILIÇ F.
6th International Conference of Ecosystems, Tirana, Albania, June 3-6, 2016, Tirane, Albania, 3 - 06 June 2016, pp.361-371
- XLIII. **An Evaluation of Energy and Exergy Efficiencies For A Biogas Cogeneration Plant**
KAYA D., ÖZTÜRK H. H. , TAYLAN O., ÇANKA KILIÇ F., ALIDRISI H.
6th International Conference of Ecosystems, Tirana, Albania, June 3-6, 2016, Tirane, Albania, 3 - 06 June 2016, pp.382-389
- XLIV. **ANALYSIS OF A TRIGENERATION SYSTEM IN TERMS OF ENERGY ENVIRONMENT AND ECONOMICS**
HERGÜL S., KAYA D., ÇOBAN V.
6th International Conference of Ecosystems, 3 - 06 June 2016
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ÇALHAN R., KAYA D., ÇOBAN V.

6th International Conference of Ecosystems, 3 - 06 June 2016

- XLVI. **ANAYLYSIS OF A TRIGENERATION SYSTEM IN TERMS OF ENERGY, ENVIRONMENT AND ECONOMIC**
HERGÜL A. S. , KAYA D., ÇOBAN V.
6th International Conference of Ecosystems, 4 - 06 June 2016
- XLVII. **ANALYSIS OF A TRIGENERATION SYSTEM IN TERMS OF ENERGY ENVIRONMENT AND ECONOMIC**
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6th International Conference of Ecosystems, 2 - 06 June 2016
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KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., HERGÜL A. S. , SAPMAZ S.
6. Enerji Verimliliği Kalitesi Sempozyumu ve Sergisi Enerji Verimliliği Kongresi 2015, Sakarya, Turkey, 4 - 06 June 2015, vol.1, pp.160-162
- L. **Endüstriyel Tesislerde Enerji Verimliliği Uygulamaları I**
KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., HERGÜL A. S. , SAPMAZ S.
6. Enerji Verimliliği Kalitesi Sempozyumu ve Sergisi Enerji Verimliliği Kongresi 2015, Sakarya, Turkey, 4 - 06 June 2015, vol.1, pp.157-159
- LI. **ENERGY CONSERVATION AND EFFICIENCY INCREASING STUDIES IN AN INDUSTRIAL BOILER**
ÇANKA KILIÇ F., KAYA D., EYİDOĞAN M., SAPMAZ S., ÇOBAN V., ÇAĞMAN S.
Uluslararası Enerji ve Güvenlik Kongresi, Kocaeli, Turkey, 23 - 24 September 2014, pp.997
- LII. **RENEW A BLE ENERGIES CLEA N ENERGY GENERA TION A ND THEIR SUBSIDIES IN TURKEY A ND EU COUNTRIES**
KAYA D., ÇANKA KILIÇ F.
International Iron & Steel Symposium, 02-04 April 2012, Karabük, Türkiye, Karabük, Turkey, 2 - 04 April 2012, pp.1174-1182
- LIII. **Bitkisel ve Hayvansal Atıklardan Biyogaz Üretim Pilot Tesisi**
E ALPTEKİN Y., KOÇAR G., EKİNCİ K., YALDIZ O., SARAÇ H. İ. , KAYA D.
18th International Energy and Evironment Fair and Conference, ICCI 2012, İstanbul, Turkey, 25 - 27 April 2012, vol.1, pp.37-39
- LIV. **Buhar Türbin Tahrikli Pompalarda Enerji Verimliliği**
YİÇİT K. S. , KAYA D., EREN A. S. , YAĞMUR E. A. , ÇELİK C.
Enerji verimliliği kongresi, Kocaeli, Turkey, 15 June 2007, pp.223-231
- LV. **BUHAR KAZANLARINDA ENERJİ VERİMLİLİĞİ**
KAYA D., TANSEL Ş., SARAÇ H. İ. , ÇANKA KILIÇ F.
Enerji Verimliliği Kongresi, Kocaeli, Turkey, 1 - 02 June 2007, pp.207-221
- LVI. **Energy Conservation Opportunity in VSD Systems A Case Study**
KAYA D., ÇANKA KILIÇ F.
The World Energy Engineering Congress in Austin, Texas, USA, Texas, United States Of America, 7 - 09 January 2004
- LVII. **Mathematical Modelling of Multiple Effect Evaporators And Energy Economy**
SARAÇ H. İ. , KAYA D.
First International Exergy, Energy and Eviroment Symposium, IEEEES-1, İzmir, Turkey, 13 - 17 July 2003, pp.457-462
- LVIII. **A New Algorithm For The Solution of Linear Equation Systems Occuring In Heat Transfer Problems With Vaiable Boundary Conditions**
SARAÇ H. İ. , KAYA D., Patrick T.
Fourth GAP Engineering Congrees, Şanlıurfa, Turkey, 6 - 08 June 2002, vol.1, pp.99-109

LIX. Energy Saving in Compressed Air Systems

KAYA D., SARAÇ H. İ. , OLGUN H.

The Fourth International Thermal Energy Congress, Proceedings ITEC2001, Çeşme, Turkey, 8 - 12 July 2001, pp.67-74

LX. Tüpraş İzmit Rafinerisi Atık Çamur Yakma Prosesi

SARAÇ H. İ. , KAYA D., TOKLU E., ÇANKA KILIÇ F.

ULIBTK'9912. Ulusal Isı Bilimi ve Tekniği Kongresi Sakarya, 28-29 Subat 2000, Sakarya, Turkey, 28 - 29 February 2000, pp.704-709

Supported Projects

KAYA D., Project Supported by Higher Education Institutions, MİKROTÜRBİNLİ DENEYSEL ELEKTRİK ÜRETİM SİSTEMİNİN GELİŞTİRİLMESİ, 2018 - 2019

KAYA D., Project Supported by Higher Education Institutions, BÜYÜKBAŞ HAYVAN GÜBRESİ, PEYNİRALTI SUYU VE TAVUK GÜBRESİNİN KOFERMENTASYON YÖNTEMİ İLE BİYOGAZLAŞTIRILMASI, 2016 - 2019

KAYA D., Project Supported by Higher Education Institutions, TERMAL ENERJİ LABORATUVARI İÇİN SOĞUTUCU AKIŞKAN TESİSATI PROJESİ, 2017 - 2018

Citations

Total Citations (WOS):192

h-index (WOS):6