

Asst. Prof. VOLKAN OBAN

Personal Information

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2010 - 2014

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI), Turkey 2007 - 2009

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1998 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Anaerobik reaktörlerde tavuk gübresinin maksimum besleme oranının belirlenmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2014

Research Areas

Chemical Engineering and Technology, Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - Continues

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2016 - 2018

Assistant Professor, Karabuk University, Tıp Tarihi Ve Etik A.B.D. (İng.), Enerji Sistemleri Mühendisliği Bölümü, 2015 - 2016

Research Assistant, Karabuk University, Tıp Tarihi Ve Etik A.B.D. (İng.), Enerji Sistemleri Mühendisliği Bölümü, 2012 - 2015

Academic and Administrative Experience

Kocaeli Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2016 - Continues

Courses

Kojenerasyon Sistemleri, Undergraduate
Enerji Ekonomisi, Undergraduate
Kariyer Planlama, Undergraduate
Proje, Undergraduate
Yakıtlar ve yanma, Undergraduate
Bilimsel Araştırma Teknikleri ve Yayın Etiği, Postgraduate
Biyokütle Enerji Dönüşümü, Undergraduate
Toplam Kalite Yönetimi, Undergraduate
İş yeri eğitimi, Undergraduate
Biyometanlaşma Teknolojileri ve Proses Tasarımı, Postgraduate

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

- I. **Characterization and energy potential of domestic waste in a low-population developed region**
ÇOBAN V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (Journal Indexed in SCI)
- II. **Aerobic digestion of sewage sludge for waste treatment**
Demirbas A., Çoban V., Taylan O., Kabli M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.10, pp.1056-1062, 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 & 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. **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)
- VI. **Energy Saving and Emission Reduction Opportunities in Mixed-Fueled Industrial Boilers**
Kaya D., Eyidogan M., Kilic F., Cay Y., Cagman S., Coban V.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.33, no.4, pp.1350-1356, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Capacity Increase and Energy Efficiency Improvement Studies In A Biogas Power Generation Plant**
Kılıç M. K., Abut N., Çanka Kılıç F., Çoban V., Kaya D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.8, no.1, pp.45-56, 2018 (Journal Indexed in ESCI)
- II. **Energy, Environment and Economic Analysis of Designed Trigeration System**
Hergül A. S., Çoban V., Kaya D.
International Journal of Ecosystems and Ecology Science, vol.6, no.4, pp.575-580, 2016 (Journal Indexed in ESCI)
- III. **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)

IV. ENERGY EFFICIENCY INVESTIGATION OF A FURNACE BURNER REPLACEMENT AT REFINERY DISTILLATION UNIT

Coban V.

INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.3, pp.443-448, 2016 (Journal Indexed in ESCI)

V. 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)

VI. 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)

Refereed Congress / Symposium Publications in Proceedings

I. HAYVANSAL ATIK KAYNAKLI BİYOGAZ TESİSİNİN GÜBRE SATIŞINA YÖNELİK RİSK VE DUYARLILIK ANALİZİ

tuna s., tuna s., ÇOBAN V., ÇAĞMAN S.

Uluslararası Marmara Fen Bilimleri Kongresi, 28 April 2019

II. HAYVANSAL ATIK KAYNAKLI ANAEROBİK FERMANTASYONA DAYALI BİYOGAZ TESİSİNDE İŞLETME MALİYETLERİNİN ÇIKARILMASI VE TESİS FİZİBİLİTESİNE OLAN ETKİLERİNİN İNCELENMESİ

Köksal E., ÇOBAN V., ÇAĞMAN S.

Uluslararası Marmara Fen Bilimleri Kongresi, 18 April 2019

III. Biyogaz/Biyometanizasyon Tesislerinin Çevre Kanunundaki Yeri

ÇAĞMAN S., ÇOBAN V., yiğit d.

International Congress on Energy Research, alanya, Turkey, 31 October - 02 November 2018, pp.110-121

IV. 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

V. 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

VI. 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

VII. 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

VIII. ANALYSIS 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

IX. DETERMINATION OF OPTIMUM CONDITIONS FOR CO DIGESTION OF CATTLE MANURE WITH CHICKEN

WASTES AND CHEESE WHEY

ÇALHAN R., KAYA D., ÇOBAN V.

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

- X. **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

- XI. **ANALYSIS OF A TRIGENERATION SYSTEM IN TERMS OF ENERGY ENVIRONMENT AND ECONOMIC**
HERGÜL A. S. , KAYA D., ÇOBAN V.

6th International Conference of Ecosystems, Tirane, Albania, 3 - 06 June 2016, vol.1, pp.88

- XII. **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

- XIII. **Endüstriyel Tesislerde Enerji Verimliliği Uygulamaları II**

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

- XIV. **TAVUK GÜBRESİNİN DEĞERLENDİRİLMESİNDE BİYOGAZ SEÇENEĞİ**

Kaya D., Çoban V., Ekinci K.

2. Uluslararası Beyaz Et Kongresi, Afyonkarahisar, Turkey, 24 April 2013, pp.445-451

- XV. **TAVUK GÜBRESİNDEN BİYOGAZ ÜRETİM TESİSLERİNİN FİZİBİLİTESİ**

ÇOBAN V., EYİDOĞAN M., ÇAĞMAN S., KAYA D.

IWES 2012, 15 November 2012

- XVI. **EVSEL KAYNAKLI ARITMA ÇAMURLARININ BİYOGAZ ÜRETİMİNDE KULLANIMININ DEĞERLENDİRİLMESİ**

ÇOBAN V., KAYA D., ÇAĞMAN S., yağmur e. a. , Tırıs M., Akgün F.

ICCI 2010, 14 May 2010

- XVII. **KURU FERMENTASYON TEKNOLOJİSİ İLE BİYOGAZ ÜRETİMİ**

KAYA D., ÇAĞMAN S., ÇOBAN V., yağmur e. a. , EYİDOĞAN M., Akgün F., Tırıs M.

IWES 2, 12 November 2009

- XVIII. **Türkiye'nin Hayvansal Atık Kaynaklı Biyogaz Potansiyeli ve Ekonomisi**

KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., AYDÖNER C., Tırıs M.

ICCI 2009, 15 May 2009, pp.59-62

Citations

Total Citations (WOS):55

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