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Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Kimya Mühendisliği (Dr), Turkey 2006 - 2013

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği (YI) (Tezli), Turkey 2003 - 2006

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği Bölümü, Turkey 1998 - 2003

Dissertations

Doctorate, Theoretical and experimental investigation of biomass and coal gasification, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Kimya Mühendisliği (Dr), 2013

Postgraduate, Pem yakıt hücrelerinin yapay sinir ağları ile modellenmesi, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 2006

Research Areas

Environmental Engineering, Computer Networks, Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Biomedical Engineering, Biosignal Processing, Clinical Engineering, Chemical Engineering and Technology, Mechanical Engineering, Composites, Biomaterials, Nanomaterials

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2017 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Chemical Engineering, 2006 - Continues

Courses

Computer Aided Process Plant Design, Doctorate, 2019 - 2020

Advising Theses

- Özveren U., Hydrogel Based Material Design Using Artificial Intelligence Approach, Postgraduate, Ç.TANRIVERDİ(Student), Continues
- Özveren U., Production of Carbon Fiber From Egg Shell Membrane and Its Use in Removal Studies, Postgraduate, B.KEKİK(Student), Continues
- Özveren U., The Design and Development of Artificial Intelligence Controlled Laboratory Scale Fluidized Bed Gasifier, Postgraduate, F.KARTAL(Student), Continues
- Özveren U., Artificial intelligence application in integrated gasification solid oxide fuel cell cycle, Postgraduate, S.SEZER(Student), 2021
- Özveren U., Modelling and simulation of a catalytic gasification integrated with solid oxide fuel cell system, Postgraduate, N.ÇEKERYÜREKLİ(Student), 2020
- Özveren U., Theoretical and experimental investigation of co-gasification and catalytic gasification, Postgraduate, B.ÖZTÜRK(Student), 2020
- Özveren U., Polymer nanocomposites : synthesis, characterization and application in heavy-metal removal, Postgraduate, H.YAKIŞIK(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prediction of thermal degradation of biopolymers in biomass under pyrolysis atmosphere by means of machine learning**
Kartal F., Dalbudak Y., ÖZVEREN U.
Renewable Energy, vol.204, pp.774-787, 2023 (SCI-Expanded)
- II. **Energy and exergy analysis of entrained bed gasifier/GT/Kalina cycle model for CO₂ co-gasification of waste tyre and biochar**
Kartal F., ÖZVEREN U.
Fuel, vol.331, 2023 (SCI-Expanded)
- III. **The dimensional design of a laboratory-scale fluidized bed gasifier using machine learning based on a kinetic method**
Kartal F., Özveren U.
Energy Conversion and Management, vol.269, 2022 (SCI-Expanded)
- IV. **Prediction of activation energy for combustion and pyrolysis by means of machine learning**
Kartal F., Özveren U.
Thermal Science and Engineering Progress, vol.33, 2022 (SCI-Expanded)
- V. **Investigation of steam and CO₂ gasification for biochar using a circulating fluidized bed gasifier model in Aspen HYSYS**
Kartal F., Sezer S., ÖZVEREN U.
JOURNAL OF CO₂ UTILIZATION, vol.62, 2022 (SCI-Expanded)
- VI. **Investigation of an integrated circulating fluidized bed gasifier/steam turbine/proton exchange membrane (PEM) fuel cell system for torrefied biomass and modeling with artificial intelligence approach**
Kartal F., Özveren U.
ENERGY CONVERSION AND MANAGEMENT, vol.263, 2022 (SCI-Expanded)
- VII. **Investigation of the chemical exergy of torrefied biomass from raw biomass by means of machine learning**
Kartal F., ÖZVEREN U.
Biomass and Bioenergy, vol.159, 2022 (SCI-Expanded)
- VIII. **Artificial Intelligence Approach in Gasification Integrated Solid Oxide Fuel Cell Cycle**
Sezer S., Kartal F., Özveren U.
Fuel, vol.311, 2022 (SCI-Expanded)

- IX. **Prediction of combustion reactivity for lignocellulosic fuels by means of machine learning**
Sezer S., Kartal F., Özveren U.
Journal Of Thermal Analysis And Calorimetry, no. , pp.1-17, 2022 (SCI-Expanded)
- X. **Prediction of torrefied biomass properties from raw biomass**
Kartal F., Özveren U.
RENEWABLE ENERGY, vol.182, pp.578-591, 2022 (SCI-Expanded)
- XI. **Investigation of steam gasification in thermogravimetric analysis by means of evolved gas analysis and machine learning**
Özveren U., Kartal F., Sezer S., Ozdogan Z. S.
ENERGY, vol.239, 2022 (SCI-Expanded)
- XII. **Prediction of chemical exergy of syngas from downdraft gasifier by means of machine learning**
Sezer S., Kartal F., Özveren U.
THERMAL SCIENCE AND ENGINEERING PROGRESS, vol.26, 2021 (SCI-Expanded)
- XIII. **Investigation of syngas exergy value and hydrogen concentration in syngas from biomass gasification in a bubbling fluidized bed gasifier by using machine learning**
Sezer S., Özveren U.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.39, pp.20377-20396, 2021 (SCI-Expanded)
- XIV. **The Investigation of Co-Combustion Process for Synergistic Effects Using Thermogravimetric and Kinetic Analysis with Combustion Index**
Sezer S., Kartal F., Özveren U.
Journal Of Thermal Science And Technology, vol.23, no.23, 2021 (SCI-Expanded)
- XV. **A deep learning approach for prediction of syngas lower heating value from CFB gasifier in Aspen plus®**
Kartal F., ÖZVEREN U.
Energy, vol.209, 2020 (SCI-Expanded)
- XVI. **An artificial intelligence approach to predict gross heating value of lignocellulosic fuels**
ÖZVEREN U.
JOURNAL OF THE ENERGY INSTITUTE, vol.90, no.3, pp.397-407, 2017 (SCI-Expanded)
- XVII. **An artificial intelligence approach to predict a lower heating value of municipal solid waste**
ÖZVEREN U.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.19, pp.2906-2913, 2016 (SCI-Expanded)
- XVIII. **Investigation of the slow pyrolysis kinetics of olive oil pomace using thermo-gravimetric analysis coupled with mass spectrometry**
Ozveren U., ÖZDOĞAN Z. S.
BIOMASS & BIOENERGY, vol.58, pp.168-179, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of light crude oil removal using biocoal from torrefaction of biomass waste**
KEKİK B., YAKIŞIK H., ÖZVEREN U.
Bioresource Technology Reports, vol.19, 2022 (Scopus)
- II. **COVID-19 pandemisinin İstanbul'un Şile ilçesinde hava kalitesine (PM10) etkisi**
YAKIŞIK H., ÖZVEREN U.
International journal of advances in engineering and pure sciences (Online), vol.34, no.2, pp.198-205, 2022 (Peer-Reviewed Journal)
- III. **INVESTIGATION OF MICROALGAE GASIFICATION UNDER STEAM ATMOSPHERE IN DOWNDRAFT GASIFIER BY USING ASPEN PLUS®**
KEKİK B., ÖZVEREN U.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.23,

no.2, pp.149-160, 2022 (Peer-Reviewed Journal)

- IV. **An improved machine learning approach to estimate hemicellulose, cellulose, and lignin in biomass**
Kartal F., Özveren U.
Carbohydrate Polymer Technologies and Applications, vol.2, no.100148, 2021 (Peer-Reviewed Journal)
- V. **Novel multistage kinetic models for biomass pyrolysis and CO₂ gasification by means of reaction pathways**
Kartal F., Özveren U.
Bioresource Technology Reports, vol.15, no.100804, 2021 (Scopus)
- VI. **Investigation of Hazelnut Husk Combustion by using A Novel Non-linear Kinetic Model through Thermogravimetric Analysis**
Sezer S., Özveren U.
Sakarya University Journal of Science, vol.25, no.2, 2021 (Peer-Reviewed Journal)
- VII. **A comparative study for biomass gasification in bubbling bed gasifier using Aspen HYSYS**
Kartal F., Özveren U.
Bioresource Technology Reports, vol.13, pp.100615, 2021 (Scopus)
- VIII. **Investigation of Oak Wood Biochar Gasification in Downdraft Gasifier Using Aspen Plus Simulation**
SEZER S., Fuçucu N. N., ÖZVEREN U.
Bioenergy Studies, Black Sea Agricultural Research Institute, vol.1, 2021 (Peer-Reviewed Journal)
- IX. **Synthesis of Polyaniline / Biochar composite material and modeling with nonlinear model for removal of copper (II) heavy metal ions**
Yakışık H., Özveren U.
Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, no.1, pp.291-304, 2021 (Scopus)
- X. **Investigation of Çan Coal Gasification in Entrained Flow Gasifier by using Aspen PLUS®**
Kartal F., Cingiz S., Özveren U.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.67, pp.309-318, 2021 (Peer-Reviewed Journal)
- XI. **Prediction of NO_x Emissions with A Novel ANN Model in Adana**
Sezer S., Kartal F., Yakışık H., Fuçucu N. N., Dalbudak Y., Yaşar S., Özveren U.
Hittite Journal of Science and Engineering, vol.4, no.7, pp.265-270, 2020 (Peer-Reviewed Journal)
- XII. **Energy and Exergy Analysis on Bubbling Fluidized Bed Gasifier Using Aspen Plus Simulation**
Sezer S., Özveren U.
Journal of the Turkish Chemical Society Section B: Chemical Engineering, vol.3, no.2, pp.55-64, 2020 (Peer-Reviewed Journal)
- XIII. **Simulation of rice straw gasification in bubbling bed reactor using ASPEN PLUS**
SEZER S., ÖZVEREN U.
INTERNATIONAL JOURNAL of ENGINEERING and NATURAL SCIENCES (IJENS), vol.2, no.2, pp.7-14, 2019 (Peer-Reviewed Journal)
- XIV. **Investigation of the Chemical Exergy of Torrefied Lignocellulosic Fuels using Artificial Neural Networks**
ÖZVEREN U., DİLMAÇ Ö. F., MERT M. S., KARACA ALBAYRAK F.
Journal of the Turkish Chemical Society, Section B: Chemical Engineering, vol.1, no.1, pp.69-76, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Gasification of Torrefied Microalgae in an Entrained Flow Gasifier by Means of Aspen HYSYS**
Kartal F., Özveren U.
The 6th International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022
- II. **Investigation of Cattle Manure Gasification in a Downdraft Gasifier using Aspen Plus**
Kartal F., Özveren U.

The 6th International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022

- III. **Problems Faced by Foreign Students While Pursuing a PhD in Chemical Engineering**
Kartal F., Özveren U.
7th International Student Symposium, Samsun, Turkey, 1 - 03 October 2021, pp.69-70
- IV. **Investigation of Oak Wood Biochar Gasification in Downdraft Gasifier Using Aspen Plus Simulation**
Sezer S., Fuçucu N. N., Özveren U.
3rd Bioenergy Studies Symposium, Samsun, Turkey, 20 - 21 May 2021, vol.1, no.1, pp.15-23
- V. **Bakır (II) Ağır Metal İyonlarının Gideriminde Polianilin/Biyokömür Kompozit Malzemenin Sentezi ve Doğrusal Olmayan Model ile Modellenmesi**
YAKIŞIK H., ÖZVEREN U.
31.Ulusal Kimya Kongresi, Turkey, 10 September 2019
- VI. **Modelling and Analysis of Imbat Coal Steam Gasification in Bubbling Fluidized Bed Gasifier**
Sezer S., Özveren U.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), İstanbul, Turkey, 17 - 19 December 2019, pp.1146-1151
- VII. **Thermal Behaviour And Kinetics of Wheat Straw During Oxy-Combustion**
Aydemir M., Özveren U.
5th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, pp.1694-1698
- VIII. **Investigation of Çan Coal Gasification Under CO₂ Atmosphere by Using Aspen Plus**
Kartal F., Özveren U.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), İstanbul, Turkey, 17 - 19 December 2019, pp.1179-1185
- IX. **Investigation of Oil Sludge Gasification of Aspen Plus Software**
Aydemir M., Özveren U.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), İstanbul, Turkey, 17 - 19 December 2019
- X. **KABARCIKLI AKIŞKAN YATAK GAZLAŞTIRICIDA SENTEZ GAZINDAKİ H₂ KONSANTRASYONUNUN YAPAY SİNİR AĞLARI KULLANILARAK İNCELENMESİ**
SEZER S., ÖZVEREN U.
Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2019), Turkey, 12 - 14 December 2019
- XI. **Kabarcıklı Akışkan Yatak Gazlaştırıcıda Sentez Gazındaki H₂ Konsantrasyonunun Yapay Sinir Ağları Kullanılarak İncelenmesi**
Sezer S., Özveren U.
Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2019), Antalya, Turkey, 12 - 14 December 2019, pp.302-309
- XII. **Karbonlaştırılmış Mısır Koçanının Akışkan Yatak Gazlaştırıcıda Aspen Plus Yazılımı Kullanılarak İncelenmesi**
Aydemir M., Özveren U.
Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2019), Antalya, Turkey, 12 - 14 December 2019, pp.310-313
- XIII. **KARBONLAŞTIRILMIŞ MISIR KOÇANININ AKIŞKAN YATAK GAZLAŞTIRICIDA ASPEN PLUS YAZILIMI KULLANILARAK İNCELENMESİ**
AYDEMİR M., ÖZVEREN U.
Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2019), Turkey, 12 - 14 December 2019
- XIV. **Tavuk Gübresinin Buhar Atmosferi Altında Gazlaştırılmasının ASPEN PLUS Kullanılarak İncelenmesi**
Kartal F., Özveren U.
Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2019), Antalya, Turkey, 12 - 14 December 2019, pp.415-419
- XV. **Matlab Yazılımı Kullanılarak Katı Oksit Yakıt Hücresi Performansının İncelenmesi**
Kartal F., Özveren U.

- Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2019), İstanbul, Turkey, 14 - 16 November 2019, pp.325-329
- XVI. **Aspen Plus Programı Kullanılarak Katı Oksit Yakıt Hücrelerinin Çalışma Performansının İncelenmesi**
Sezer S., Özveren U.
Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2019), İstanbul, Turkey, 14 - 16 November 2019, pp.53-57
- XVII. **Fındık Çotanağının Karbonizasyonunun Model Yaklaşım Yöntemi İle Kinetiğinin İncelenmesi**
Öztürk B., Özveren U.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.92
- XVIII. **Aspen Plus Simülasyonu Kullanılarak Kabarcıklı Akışkan Yatak Gazlaştırıcıda Enerji ve Ekserji Analizi**
Sezer S., Özveren U.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.248
- XIX. **Bakır (II) ağır metal iyonlarının gideriminde Polianilin/Biyokömür kompozit malzemenin sentezi ve doğrusal olmayan model ile modellenmesi**
Yakışık H., Özveren U.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.450
- XX. **Modeling of Walnut Shell Gasification in Bubbling Bed Reactor Using ASPEN PLUS**
Sezer S., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019
- XXI. **Theoretical Investigation of PEM Fuel Cell Performance Using MATLAB Simulink Software**
Gök S., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.355
- XXII. **Simulation of Municipal Solid Waste Gasification Using ASPEN PLUS**
Fuçucu N. N., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.233
- XXIII. **Investigation of Torrefaction Temperature for the Removal of Copper Ions From Aqueous Solution Using Almond Shell**
Yaşar S., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.109
- XXIV. **Air Quality Prediction For Afyon Using Artificial Neural Networks**
Dalbudak Y., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.94
- XXV. **Modeling and Simulation of Hazelnut Husk Gasification in A Fluidized Bed Gasifier Using Cycle Tempo**
Öztürk B., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.234
- XXVI. **Modelling of A Biomass Gasification-Solid Oxide Fuel Cell Power System Using Artificial Neural Network**
Sezer S., Özveren U.
35th Turkish Physical Society International Physics Congress (TFD 35), Muğla, Turkey, 4 - 08 September 2019, pp.235
- XXVII. **Simulation of Rice Straw Gasification in Bubbling Bed Reactor Using ASPEN PLUS**
Sezer S., Tumurbat T., Kartal F., Özveren U.
International Conference on Energy and Sustainable Built Environment (ICESBE 2019)), İstanbul, Turkey, 19 - 20 June 2019
- XXVIII. **Simulation of Pine Cone Gasification In Fluidized Bed Gasifier By Using ASPEN PLUS**
Tumurbat T., Kartal F., Karaca Albayrak F., Özveren U.
International Conference on Energy and Sustainable Built Environment (ICESBE 2019), İstanbul, Turkey, 19 - 20

June 2019

- XXIX. **Prediction of NO_x Emissions With A Novel ANN Model in Adana**
Yakışık H., Yaşar S., Dalbudak Y., Özveren U.
International Conference on Energy and Sustainable Built Environment (ICESBE 2019), İstanbul, Turkey, 19 - 20 June 2019
- XXX. **Yapay Sinir Ağı Kullanarak Tekirdağ Kent Merkezinde SO₂'in Tahmin Edilmesi**
Yakışık H., Tumurbat T., Yaşar S., Özveren U.
7. Ulusal Biyomühendislik Öğrenci Kongresi, İzmir, Turkey, 3 - 04 May 2019
- XXXI. **Yapay Zeka Kullanılarak Gölcük'teki NO₂ Konsantrasyonunun Tahmini**
Yakışık H., Tumurbat T., Dalbudak Y., Özveren U.
7. Ulusal Biyomühendislik Öğrenci Kongresi, İzmir, Turkey, 3 - 04 May 2019
- XXXII. **Yapay Zeka Yaklaşımı ile Antalya'da PM₁₀ Konsantrasyonunun Tahmini**
Yakışık H., Atasoy A. N., Civil M., Özveren U.
7. Ulusal Biyomühendislik Öğrenci Kongresi, İzmir, Turkey, 3 - 04 May 2019
- XXXIII. **Prediction of SO₂ Emissions With A Novel ANN Model in Bursa**
Kartal F., Özveren U., Dalbudak Y., Yakışık H.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019
- XXXIV. **A New Model for the Estimation of NO_x emissions in Bursa**
Uygur D., Özveren U., Yakışık H., Fuçucu N. N.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019
- XXXV. **Estimation of Daily Particle Matter Concentration (PM_{2.5}) in Ankara Kecioren**
Yakışık H., Özveren U.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.16
- XXXVI. **Modeling and Estimation of Cr (VI) Efficiency Using Non-Linear Regression**
Yakışık H., Özveren U.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.15
- XXXVII. **Energy and Exergy Analysis of Air Gasification for Pine Cone in Downdraft Gasifier by Using Cycle Tempo**
Tumurbat T., Özveren U., Karaca Albayrak F.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.8-15
- XXXVIII. **Evaluation of Wheat Straw Gasification in Fluidized bed Gasifier using Aspen Plus**
Uygur D., Özveren U.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.66-72
- XXXIX. **Simulation of Imbat Coal Gasification in Fluidized Bed Using Aspen Plus**
Kartal F., Özveren U.
5th International Conference on Sustainable Development (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.30-37
- XL. **Simulation of Almond Shell Gasification in Circulating Fluidized-bed Gasifier by Using Cycle-Tempo**
Tumurbat T., Özveren U., Karaca Albayrak F., Yakışık H., Dalbudak Y., Kartal F., Öztürk B.
5th International Conference on Sustainable Development, Belgrade, Serbia (ICSD 2019), Belgrade, Serbia, 17 - 21 April 2019, pp.1-7
- XLI. **Investigation of Downdraft Gasifier Modeling By Using Neural Networks**
Özveren U., Yakışık H.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.1189
- XLII. **Assessments of Pyrolysis Kinetics and Mechanisms of Cellulose Using Thermogravimetry**
Özveren U., Dalbudak Y.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.576-579

- XLIII. Kinetic and Thermogravimetric Investigation of the Co-Combustion of Almond Shells and Imbat Coal Blend**
Özveren U., Kartal F.
4th Conference on Advances In Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.1126
- XLIV. Partial Combustion Behavior and Kinetic Analysis of Sunflower**
Fuçucu N. N., Özveren U.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018
- XLV. Kinetic Analysis of Wheat Straw Pyrolysis Using Model Free Methods**
Özveren U., Uygur D.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.1090
- XLVI. Estimation of Zn(II) Removal Efficiency from Waste Water By Using Non-Linear Regression Model**
Özveren U., Aydoğan E.
4th Conference On Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.646
- XLVII. Prediction of As(III) Removal Efficiency From Water Using Non-Linear Regression Model**
Özveren U., Kilmén G.
4th Conference on Advances in Mechanical Engineering (ICAME2018), İstanbul, Turkey, 19 - 21 December 2018, pp.654
- XLVIII. Prediction of Syngas Heating Value for Downdraft Gasifier By Using Artificial Intelligence Approach**
Özveren U., Fuçucu N. N.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018
- XLIX. Modeling and Estimation of Methyl Orange Removal Efficiency Using Non-Linear Regression**
Yakışık H., Dalbudak Y., Kyzy P. B., Özveren U.
4th Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 - 21 December 2018, pp.764
- L. Investigation of Downdraft Gasifier Modeling By Using Neural Network**
YAKIŞIK H., ÖZVEREN U.
4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Turkey, 19 December 2018
- LI. Investigation of Gas Engine for A Biomass Feedstock Downdraft Gasifier Fueled with Hazelnut Shells**
Fuçucu N. N., Özveren U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 5 - 09 September 2018, pp.502
- LII. Investigation of Biomass Gasification Gas Cleaning for Downdraft Gasifier By Using Cycle-Tempo**
Dalbudak Y., Özveren U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 5 - 09 September 2018, pp.502
- LIII. Co-gasification of Tuncbilek Lignite with Hazelnut Shells in Fluidized Bed Reactor using Aspen Plus**
Bayar N., Özveren U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 5 - 09 September 2018, pp.319
- LIV. Syngas Production from Downdraft Gasification of Hazelnut Shells**
Dalbudak Y., Özveren U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 5 - 09 September 2018, pp.324
- LV. Performance Assessment of A Solid Oxide Fuel Cell Fed By Syngas From Hazelnut Shells Feedstock in A Downdraft Gasifier**
Fuçucu N. N., Özveren U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 5 - 09 September 2018,

- LVI. **A New Non-Linear Estimation Algorithm for Thermal Resistance of Cotton Fabrics**
Dalbudak Y., Fuçucu N. N., Özveren U.
4th International Symposium on Composite Materials (KOMPEGE 2018), İstanbul, Turkey, 6 - 08 September 2018, pp.78
- LVII. **Improved Estimation of Ionic Conductivity for Solid Polymer Electrolyte System**
Fuçucu N. N., Dalbudak Y., Aydın M. A., Özveren U.
4th International Symposium on Composite Materials (KOMPEGE 2018), İzmir, Turkey, 6 - 08 September 2018, pp.126
- LVIII. **Estimation of Pb(II) And Cu(II) Removal Efficiency By Using Non-Linear Regression Model**
Uygur D., Çetinbaş S., Kartal F., Özveren U.
4th International Symposium on Composite Materials (KOMPEGE 2018), İzmir, Turkey, 6 - 08 September 2018, pp.113
- LIX. **Prediction of Phosphate Removal Efficiency for The Hydrated Ferric Oxide-based Nanocomposite by Using Non-linear Regression Model**
Ergün E., Aydoğan E., Kilmen G., Özveren U.
4th International Symposium on Composite Materials (KOMPEGE 2018), İzmir, Turkey, 6 - 08 September 2018, pp.51
- LX. **Performance Assessment of A Solide Oxide Fuel Cell Fed By Syngas From Hazelnut Shells Feedstock in A Downdraft Gasifier**
Fuçucu N. N., ÖZVEREN U.
34th Turkish Physical Society International Physics Congress (TFD 34), Muğla, Turkey, 05 September 2018
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Citation (Scopus): 153

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Awards

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Kartal F., Özveren U., Third Best Poster Presentation Entitled "Forecast of Lower Heating Value of Municipal Solid Waste via Adaptive Neuro-Fuzzy Inference System", 3Rd Bioenergy Studies Symposium, May 2021

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