

# Assoc. Prof. FATMA ZEHRA ÖZÇELİK

## Personal Information

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**Post Address:** Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Bornova-İzmir

## Education Information

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, Turkey 1988 - 1995

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, Turkey 1985 - 1988

Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1978 - 1985

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Synthesis of Heat Integrated Distillation Sequences with Mixed Integer Nonlinear Programming, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, 1995

Post Graduate, Farklı Sıvı-Buhar Denge Modellerinde Destilasyon Kolonlarının İç ve Dış Tasarımı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, 1988

## Research Areas

Chemical Engineering and Technology, Process and Reactor Design, Chemical Process System Engineering, Process Design, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Ege Üniversitesi, Mühendislik Fakültesi, 2013 - Continues

Assistant Professor, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1999 - 2013

Lecturer PhD, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1995 - 1999

Research Assistant, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1986 - 1995

## Professional Experience

Deputy Head of Department, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2001 - 2007

## Courses

Chemical Engineering Economics, Under Graduate, 2017 - 2018

Modeling and Simulation, Under Graduate, 2017 - 2018

Orientation to Chemical Engineering, Under Graduate, 2017 - 2018

Diploma Project, Under Graduate, 2017 - 2018  
Calculus II, Under Graduate, 2017 - 2018  
Mathematics II, Under Graduate, 2017 - 2018  
Chemical Engineering Design, Under Graduate, 2017 - 2018  
Optimization of Chemical Processes, Post Graduate, 2017 - 2018  
Exergy Analysis and Applications for Chemical Processes, Post Graduate, 2017 - 2018  
Operational Research, Under Graduate, 2016 - 2017  
Computer Aided Design, Under Graduate, 2016 - 2017  
Computer Aided Chemical Engineering Design, Post Graduate, 2015 - 2016

## Advising Theses

ÖZÇELİK F. Z. , Hydrogen Pinch Applications in Chemical Industries, Post Graduate, F.Elif(Student), 2018  
ÖZÇELİK F. Z. , ÖZÇELİK Y., Energy integration and supply chain management in petrochemical industry, Post Graduate, S.ARMAY(Student), 2017  
ÖZÇELİK F. Z. , Energy Management Analysis in a Power Generation Plant of a Petrochemical Complex, Doctorate, D.ÇELENK(Student), 2015  
ÖZÇELİK F. Z. , ÖZÇELİK Y., Modeling, simulation and optimization of solar assisted absorption cooling systems under uncertainty, Post Graduate, N.YAŞAR(Student), 2014  
ÖZÇELİK F. Z. , Performance assessment of three different hrsg's in a combined cycle power plant by exergy analysis, Post Graduate, O.ULUDAĞ(Student), 2014  
ÖZÇELİK F. Z. , Debottlenecking and retrofitting by pinch and exergetic analysis in a chemical plant, Post Graduate, N.AKGÜN(Student), 2013  
ÖZÇELİK F. Z. , Multi-Objective Optimization of Fuel Cell Systems, Doctorate, S.Orçun(Student), 2012  
ÖZÇELİK F. Z. , CESUR S., Industrial applications of Pinch analysis, Post Graduate, İ.BİLİR(Student), 2010  
ÖZÇELİK F. Z. , Exergoeconomic analysis of pem fuel cell systems for transportation applications, Post Graduate, S.ORÇUN(Student), 2006  
ÖZÇELİK F. Z. , Exergy and thermoeconomic analysis of adiabatic and distillation columns, Post Graduate, T.ÖZCAN(Student), 2005  
ÖZÇELİK F. Z. , Energy savings for alternative distillation systems, Post Graduate, H.KARATAŞ(Student), 2003  
ÖZÇELİK F. Z. , Applying of pinch and second law analysis for chemical process retrofit, Post Graduate, Ö.LALE(Student), 2003

## Jury Memberships

Post Graduate, Fatma Elif Alier Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., October, 2018  
Post Graduate, Karwan Moffaq ABDULAZIZ Tez savunma sınavı, Van Yüzüncü Yıl Ün. Kimya Müh. Bölümü, April, 2018  
Post Graduate, Cansu UsTez savunma sınavı, Van Yüzüncü Yıl Ün. Kimya Müh. Bölümü, April, 2018  
Doctoral Examination, Onur Uludağ Doktora Yeterlik Sınavı, Kahramanmaraş Sütçü İmam Üniversitesi, Malzeme Bilimi ve Müh., November, 2017  
Post Graduate, Sinem Armay Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., August, 2017  
Doctorate, Okan Akın Doktora Tez Savunma Jürisi, İYTE, Kimya Müh. Bölümü, June, 2017  
Post Graduate, Alper Reis Tez savunma sınavı, Van Yüzüncü Yıl Ün. Kimya Müh. Bölümü, July, 2016  
Post Graduate, Hüseyin Şahin Tez savunma sınavı, Van Yüzüncü Yıl Ün. Kimya Müh. Bölümü, July, 2016  
Doctorate, Dilek Çelenk Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., January, 2015  
Post Graduate, Onur Uludağ Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., August, 2014  
Doctorate, Yelda MERT Tez savunma sınavı, İYTE, Şehir ve Bölge Planlama Bölümü, March, 2014  
Post Graduate, Nazlı Yaşar Tunca Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., February, 2014  
Post Graduate, Nursen Akgün Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., September, 2013

Doctoral Examination, Erdem Ersayın Doktora yeterlik sınavı, Celal Bayar Üniversitesi, Makine Müh. Böl., June, 2013  
Doctorate, Suha Orçun Mert Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., September, 2012  
Post Graduate, Eda Kalender Tez savunma sınavı, İYTE, Enerji Müh. Bölümü, June, 2011  
Doctorate, Gözde Genç Atıklar Tez savunma sınavı, İYTE, Kimya Müh. Bölümü, June, 2010  
Post Graduate, İlknur Bilir Gülcan Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., February, 2010  
Doctorate, Neslihan Çolak Güneş Tez savunma sınavı, Ege Üniversitesi, Güneş Enerjisi Enstitüsü., January, 2009  
Post Graduate, Suha Orçun Mert Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., August, 2006  
Post Graduate, Tuna Özcan Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., September, 2005  
Post Graduate, Hayriye Karataş Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., February, 2003  
Post Graduate, Özlem Lale Geliş Tez savunma sınavı, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Müh., January, 2003

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

- **Exergoeconomic based multi-objective optimisation of a solid oxide fuel cell system**  
Mert S. O. , Ozcelik Z., Dinçer I.  
INTERNATIONAL JOURNAL OF EXERGY, vol.14, pp.413-429, 2014 (Journal Indexed in SCI)
- **Multi-objective optimization of a direct methanol fuel cell system using a genetic-based algorithm**  
MERT S. O. , Ozcelik Z.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.37, pp.1256-1264, 2013 (Journal Indexed in SCI)
- **Performance investigation of a transportation PEM fuel cell system**  
MERT S. O. , Dinçer İ., Ozcelik Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, pp.623-633, 2012 (Journal Indexed in SCI)
- **Exergoeconomic analysis of a vehicular PEM fuel cell system**  
MERT S. O. , DINCER I., Ozcelik Z.  
JOURNAL OF POWER SOURCES, vol.165, pp.244-252, 2007 (Journal Indexed in SCI)
- **Optimisation of sharp distillation column configurations: A database supported package, PROMAX**  
Ozcelik Z., Ozcelik Y., KURYEL B.  
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.13, pp.159-167, 1999 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Hydrogen Recovery System Design Application in a Petrochemical Refinery**  
Özçelik F. Z. , Karamandal N.  
Petroleum & Coal, International Journal for Petroleum Processing, Petrochemistry and Coal Processing, vol.61, pp.1414-1424, 2019 (Refereed Journals of Other Institutions)
- **Single Objective Supply Chain Network Optimization around Acrylonitrile Plant**  
Özçelik F. Z. , Özçelik Y., Armay S.  
International Journal of Contemporary Economics and Administrative Sciences, vol.9, pp.232-249, 2019 (Journal Indexed in ESCI)
- **Debottlenecking and Retrofitting by Pinch Analysis in a Chemical Plant**  
AKGÜN N., ÖZÇELİK F. Z.  
American Journal of Energy Engineering, vol.5, pp.39-49, 2017 (Refereed Journals of Other Institutions)
- **Endüstriyel Atık Su Minimizasyonu**  
CESUR S., ÖZÇELİK F. Z. , ÖZÇELİK Y., KURYEL B.  
Tekno-Kültür, pp.30-31, 1997 (National Non-Refereed Journal)
- **Üretim Süreçlerinde “Retrofit” Çalışmaları**  
KURYEL B., ÖZÇELİK F. Z.  
VERİMLİLİK DERGİSİ, pp.117-129, 1994 (Other Refereed National Journals)

- **Kimya Mühendisliği Açısından Boyama Prosesleri**  
ÖZÇELİK F. Z. , ÖZÇELİK Y.  
TEKSTİL VE MÜHENDİS, pp.29-38, 1991 (Other Refereed National Journals)

## Book & Book Chapters

- **Orientation to Chemical Engineering**  
Peker S. M. , ÖZÇELİK F. Z. , ERSÖZ G., Moral A.  
Akademisyen Kitabevi A.Ş., Ankara, 2018
- **Modelling and Simulation and Optimization of Solar-Assisted Absorption Cooling Systems**  
ÖZÇELİK Y., ÖZÇELİK F. Z. , Yaşar Tunca N.  
in: Exergy For a Better Environment and Improved Sustainability 1 Fundamentals, Aloui F., Dincer İ, Editor, Springer International Publishing Ag, Zürich, pp.1047-1071, 2018
- **Exergetic Evaluation for Heat Exchanger Network in a Raw Petroleum Cracking Unit**  
ÖZÇELİK F. Z.  
in: Exergy for A Better Environment and Improved Sustainability 1 Fundamentals, Aloui F., Dincer İ, Editor, Springer International Publishing Ag, Zürich, pp.1073-1087, 2018
- **Life Cycle Impact Assessment Analysis on a Cooling System**  
ÖZÇELİK F. Z. , ÖZÇELİK Y., Yaşar Tunca N.  
in: Engineering Approaches on Sustainability, Can Z.S., Yılmaz B., Genç S., Seçkin C., Editor, International Journal Of Politics & Economics, İstanbul, pp.77-88, 2016
- **Performance Evaluation for Different Configured HRSGs**  
Uludağ O., ÖZÇELİK F. Z.  
in: Progress in Exergy, Energy and the Environment, Dincer I., Midill, A., Kucuk H., Editor, Springer International Publishing, Zürich, pp.343-348, 2014
- **Multi-Objective Optimisation of a PEM Fuel Cell System**  
MERT S. O. , ÖZÇELİK F. Z. , ÖZÇELİK Y., Dinçer İ.  
in: PRES 2010: 13TH INTERNATIONAL CONFERENCE ON PROCESS INTEGRATION, MODELLING AND OPTIMISATION FOR ENERGY SAVING AND POLLUTION REDUCTION, Klemes, JJ; Lam, HL; Varbanov, PS, Editor, Chemical Engineering Transactions, Aidic Servizi Srl, Milano, pp.877-882, 2010

## Refereed Congress / Symposium Publications in Proceedings

- **Design of efficient heat integration by pinch and exergy hybrid methodology**  
Kutlu Ö., Özçelik F. Z.  
4th International Energy and Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, pp.913-927
- **Energy – exergy efficient applications and what-if scenarios on a power generation plant**  
ÇELENK BAZ D., ÖZÇELİK F. Z.  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 November 2018, pp.152
- **Exergetic performance investigation of a cement production facility**  
Şahin H., MERT S. O. , ÖZÇELİK F. Z.  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 November 2018, pp.155
- **Çimento Üretiminde Döner Fırın Prosesinin Enerji, Ekserji Ve Eksergoekonomik Analizi**  
MERT S. O. , ÖZÇELİK F. Z. , Şahin H.  
13. Ulusal Kimya Mühendisliği Kongresi, Van Yüzüncü Yıl Üniversitesi, Van, Turkey, 03 September 2018, pp.137
- **Hidrojen Pinch ve Ekserji Analizinin Entegre Kullanımı ile Ağın İyileştirilmesi**  
ALYER F. E. , ÖZÇELİK F. Z.  
13. Ulusal Kimya Mühendisliği Kongresi, Van Yüzüncü Yıl Üniversitesi, Van, Turkey, 03 September 2018, pp.160
- **Retrofitting of a Power Plant Steam Headers in a Petrochemical Complex using Exergy Analysis**  
KALYONCU G., ÇELENK D., ÖZÇELİK F. Z.

International Conference on Engineering Technologies (ICENTE'17), Konya, Turkey, 7 - 09 December 2017

- **Single Objective Supply Chain Network Optimization in Petrochemical Industry**  
ARMAY S., ÖZÇELİK F. Z. , ÖZÇELİK Y.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017
- **Enhancement of Efficiency on Hydrogen Network via Pinch and Exergy Analysis**  
ÖZÇELİK F. Z. , ALYER F.  
2nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017
- **Life Cycle Impact Assessment Analysis on a Cooling System**  
ÖZÇELİK F. Z. , ÖZÇELİK Y., TUNCA N. Y.  
International Sustainability Congress by ICS, 1 - 03 December 2016
- **Retrofitting on Hydrogen Demand supply Processes via Pinch Approach**  
ALYER F. E. , ÖZÇELİK F. Z.  
The 1st International Conference on Alternative Fuels: Future and Challenges, 2 - 04 December 2016
- **Kimyasal Süreçlerde Hidrojen Pinch Uygulaması**  
ALYER F. E. , ÖZÇELİK F. Z.  
12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 August 2016, pp.62-63
- **Exergetic evaluation for heat exchanger network in a raw petroleum cracking unit**  
Özçelik F. Z.  
The Seventh International Exergy, Energy and Environment Symposium, IEEEES7, University of Valenciennes et du Hainaut-Cambrésis - ENSIAME, Valence, France, 27 April 2015, pp.113
- **Performance Evaluation for Different Configured HRSGs**  
Uludağ O., ÖZÇELİK F. Z.  
The Sixth International Exergy, Energy and Environment Symposium, Rize, Turkey, 01 July 2013, pp.1018-1023
- **Retrofitting of a Heat Exchanger Network by using Exergy Analysis**  
AKGÜN N., ÖZÇELİK F. Z. , KURYEL B.  
The Sixth International Exergy, Energy and Environment Symposium, Rize, Turkey, 01 July 2013, pp.141-153
- **Genetic Algorithm Based Multi-objective Optimization for Fuel Cell Applications**  
MERT S. O. , ÖZÇELİK F. Z.  
2nd International Conference on Computation for Science and Technology, Niğde, Turkey, 09 July 2012, pp.68
- **Multi-objective Optimization of a Solid Oxide Fuel Cell (SOFC) System**  
MERT S. O. , ÖZÇELİK F. Z. , Dinçer İ.  
6th International Ege Energy Symposium & Exhibition, İzmir, Turkey, 28 June 2012, pp.1-11
- **Energy Improvement in an Acrylonitrile Plant**  
ARMAY S., Tuncer B., ÖZÇELİK F. Z. , ÖZÇELİK Y.  
6th International Ege Energy Symposium & Exhibition, İzmir, Turkey, 28 June 2012, pp.21-30
- **Exergy Analysis of a Direct Methanol Fuel Cell System**  
Durmuş G., Çabuk C., MERT S. O. , ÖZÇELİK F. Z.  
SET11, 10th International Conference on Sustainable Energy Technologies, İstanbul, Turkey, 04 September 2011, pp.1-6
- **Multi-Objective Optimization of a PEM Fuel Cell System**  
MERT S. O. , ÖZÇELİK F. Z. , ÖZÇELİK Y., DINCER İ.  
13th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES-2010,organized in collaboration with CHISA 2010 and ECCE-7), Prague, Czech Republic, 28 August 2010, pp.1617-1618
- **Pinch Analysis in Nitric Acid Production Alternative Processes**  
B. Gülcan İ., CESUR S., ÖZÇELİK F. Z.  
Fifth International Ege Energy Symposium and Exhibition (IEESE-5), Denizli, Turkey, 27 June 2010, pp.110-118
- **Multi-Objective Optimization of a Fuel Cell System for Transportation Application**  
MERT S. O. , ÖZÇELİK F. Z. , ÖZÇELİK Y., DINCER İ.  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 07 March 2010, pp.241
- **Evaluation of Nitric Acid Production by Process Integration**

B. Gülcan İ., CESUR S., ÖZÇELİK F. Z.

6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 07 March 2010, pp.295

- **Performance Investigation of a Ballard PEM Fuel Cell System for Transportation Vehicles**

MERT S. O. , DINCER I., ÖZÇELİK F. Z.

The Third International Energy, Exergy and Environment Symposium, Evora, Portugal, 01 July 2007, pp.1-13

- **Modeling and Simulation Application of a Triple-Pressure Heat Recovery Steam Generator**

MERT S. O. , ÖZÇELİK F. Z.

The Third International Energy, Exergy and Environment Symposium, Evora, Portugal, 01 July 2007, pp.1-9

- **Exergoeconomic Analysis of a Pem Fuel Cell System for Vehicles**

MERT S. O. , DINCER I., ÖZÇELİK F. Z.

The Second International green Energy Conference, Oshawa, Ontario-Canada, Oshawa, Ontario, Canada, 25 June 2006, pp.242-255

- **Comparison of Diabatic and Adiabatic Multicomponent Distillation via Exergy Analysis**

Özcan T., ÖZÇELİK F. Z.

The Second International Exergy, Energy and Environment Symposium, Kos, Greece, 03 July 2005, pp.1-5

- **A Thermo-economic Application on the Natural Gas Combined Cycle Power Plant**

MERT S. O. , ÖZÇELİK F. Z.

The Second International Exergy, Energy and Environment Symposium, Kos, Greece, 03 July 2005, pp.1-5

- **Dynamic Modelling and Prediction of Optimal Condition of Batch Plate Distillation Column**

CESUR S., ÖZÇELİK Y., ÖZÇELİK F. Z. , KURYEL B.

International Conference Functional Differential-Difference Equations and Applications, Antalya, Turkey, 18 August 1997, pp.35-36

- **Flowsheet Optimization by a Random Search Algorithm**

KURYEL B., ÖZÇELİK Y., ÖZÇELİK F. Z.

Jordanian Chemical Engineering Conference I, Amman, Jordan, 19 October 1993, pp.520-532

## Supported Projects

ÖZÇELİK F. Z. , Project Supported by Higher Education Institutions, YAKIT PİLİ SİSTEMLERİNİN ÇOK AMAÇLI OPTİMİZASYONU, 2009 - 2011

## Memberships / Tasks in Scientific Organizations

Member, 1990 - Continues

Yönetim Kurulu Üyesi, Member, 1998 - 2000

## Scientific Refereeing

Energy Conversion and Management (ECM-D-18-06246), SCI Journal, November 2018

Energy Conversion and Management (ECM-D-18-06988), SCI Journal, November 2018

Energy Conversion and Management (ECM-D-18-06154R2), SCI Journal, November 2018

International Journal of Scientific and Technological Research (JSTR\_2018\_196), Other Indexed Journal, October 2018

Energy Conversion and Management (ECM-D-18-06154), SCI Journal, October 2018

Journal of Renewable Energy (2678050), Other Indexed Journal, October 2018

Energy Conversion and Management (ECM-D-18-04490), SCI Journal, July 2018

Energy Conversion and Management (ECM-D-18-00037R2), SCI Journal, June 2018

Energy Conversion and Management (ECM-D-18-01631), SCI Journal, March 2018

Energy Conversion and Management (ECM-D-18-00037), SCI Journal, January 2018

## Scientific Consultations

TÜBİTAK- ARDEB, Project Consultancy, Ege Üniversitesi, Mühendislik Fakültesi, Turkey, 2015 - 2018  
TÜBİTAK- ARDEB, Project Consultancy, Ege Üniversitesi, Mühendislik Fakültesi, Turkey, 2015 - 2018  
TÜBİTAK BİDEB - BİLİM İNSANI DESTEKLEME DAİRE BAŞKANLIĞI, Other, Ege Üniversitesi, Mühendislik Fakültesi, Turkey, 2015 - 2015

## Invited Congress and Symposium Activities

1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Attendee, Ankara, Turkey, 2018  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Session Moderator, Ankara, Turkey, 2018  
13. Ulusal Kimya Mühendisliği Kongresi, Attendee, Van, Turkey, 2018  
International Conference on Engineering Technologies (ICENTE'17), Attendee, Konya, Turkey, 2017  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Attendee, Turkey, 2017  
2nd International Hydrogen Technologies Congress, Attendee, Adana, Turkey, 2017  
The 1st International Conference on Alternative Fuels: Future and Challenges, Attendee, Kayseri, Turkey, 2016  
International Sustainability Congress, Attendee, İstanbul, Turkey, 2016  
12. Ulusal Kimya Mühendisliği Kongresi, Attendee, İzmir, Turkey, 2016  
TÜBİTAK- MAG - MÜHENDİSLİK ARAŞTIRMA DESTEK GRUBU, Panelists, Ankara, Turkey, 2015  
The Seventh International Exergy, Energy and Environment Symposium, IEEEES7, Attendee, Valence, France, 2015  
TÜBİTAK- MAG - MÜHENDİSLİK ARAŞTIRMA DESTEK GRUBU, Panelists, Ankara, Turkey, 2014  
11. Ulusal Kimya Mühendisliği Kongresi, Attendee, Eskişehir, Turkey, 2014  
International Conference on Energy Management-ICEM-2014, Attendee, İstanbul, Turkey, 2014  
12th Joint European Thermodynamics Conference, Brescia-Italy, Attendee, Brescia, Italy, 2013  
The Sixth International Exergy, Energy and Environment Symposium, Attendee, Rize, Turkey, 2013  
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi, Attendee, Ankara, Turkey, 2013  
The 2nd International Conference on Computation for Science and Technology, Attendee, Niğde, Turkey, 2012  
6th International Ege Energy Symposium & Exhibition, Attendee, İzmir, Turkey, 2012  
SET11, 10th International Conference on Sustainable Energy Technologies, Attendee, İstanbul, Turkey, 2011  
13th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES-2010, organized in collaboration with CHISA 2010 and ECCE-7), Attendee, Praha, Czech Republic, 2010  
Fifth International Ege Energy Symposium and Exhibition (IEESE-5), Attendee, Denizli, Turkey, 2010  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Attendee, Antalya, Turkey, 2010  
The Third International Energy, Exergy and Environment Symposium, Attendee, Evora, Portugal, 2007  
16. Ulusal ısı Bilimi ve Tekniği Kongresi, Attendee, Kayseri, Turkey, 2007  
The Second International green Energy Conference, Attendee, Oshawa, Canada, 2006  
Short Course on Exergy Analysis of Advanced Energy Systems, Ege University Science Technology and Application Center (EBİLTEM), Invited Speaker, İzmir, Turkey, 2005  
Short Course on Exergy Analysis of Advanced Energy Systems, Attendee, Turkey, 2005  
The Second International Exergy, Energy and Environment Symposium, Attendee, Kozani, Greece, 2005  
AR-GE Proje Pazarı 04, Ege Üniversitesi Bilim-Teknoloji Uygulama ve Araştırma Merkezi, Attendee, izmir, Turkey, 2004  
6. Ulusal Kimya Mühendisliği Kongresi, Attendee, İzmir, Turkey, 2004  
16th International Congress of Chemical and Process Engineering CHISA- 2004, Attendee, Praha, Czech Republic, 2004  
Short Course on Exergy and its Applications, , Ege University Science Technology and Application Center (EBİLTEM), Invited Speaker, İzmir, Turkey, 2004  
Short Course on Exergy and its Applications, Ege University Science Technology and Application Center (EBİLTEM), Invited Speaker, İzmir, Turkey, 2004  
Short Course on Exergy and its Applications, Attendee, İzmir, Turkey, 2004  
First Cappadocia International Mechanical Engineering Symposium (CMES-04), Attendee, Niğde, Turkey, 2004

II. Ulusal Ege Enerji Sempozyumu ve Sergisi, Attendee, Kütahya, Turkey, 2004  
5. Ulusal Kimya Mühendisliği Kongresi, Attendee, Turkey, 2002  
Yöneylem Araştırması ve Endüstri Mühendisliği XXII. Ulusal Kongresi, Attendee, Ankara, Turkey, 2001  
XIV. Ulusal Kimya Kongresi, Attendee, Diyarbakır, Turkey, 2000  
”, ULIBTK'99, Uluslararası Katılımla 12. Ulusal Isı Bilimi ve Tekniği Kongresi, Attendee, Sakarya, Turkey, 2000  
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h-index (WOS):4