

## Prof. Fatma Jale GÜLEN

### Personal Information

**Fax Phone:** [+90 212 383 4725](tel:+902123834725)

**Email:** [gulenj@yildiz.edu.tr](mailto:gulenj@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/gulenj>

**Address:** Yıldız Teknik Üniversitesi Kimya Mühendisliği Bölümü Davutpaşa Kampüsü 34210 Esenler - İSTANBUL

### International Researcher IDs

ORCID: 0000-0001-6964-5649

Publons / Web Of Science ResearcherID: H-8739-2019

Yoksis Researcher ID: 26708

### Education Information

Doctorate, Yıldız Technical University, Kimya Müh. Böl., Turkey 1987 - 1993

Postgraduate, Yıldız Technical University, Kimya Müh. Böl., Turkey 1983 - 1986

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Gaz Yakıt Oksijen Ön Karışım Alevlerinden Isı Geçişinin ve Bu Alevlerin Isı Etkinliklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Kimy Met. Fak., Kimya Müh. Böl., 1993

Postgraduate, Alkali ve Toprak Alkali Metal Tuzları Sulu Çözeltilerinin Çeşitli Basınçlarda İncelenmesi, Yıldız Teknik Üniversitesi, Kimy Met. Fak., Kimya Müh. Böl., 1986

### Research Areas

Chemistry, Physical Chemistry, Surface Chemistry, Natural Sciences

### Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2017 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2011 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. The potential capability of treated perlite for removal of penta chloro nitrobenzene

Gülen J., Deler Ö.

Zeitschrift fur Physikalische Chemie, vol.238, no.6, pp.1103-1121, 2024 (SCI-Expanded)

- II. **Green synthesis of iron and silver nanoparticles from aqueous extract of buckwheat husk waste: antibacterial, cytotoxic, and dye decolorization properties**  
Karpuz Ö., Baltacı C., Gül A., Gülen J., Bozbeyoğlu P., Aydoğan N.  
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
- III. **A concise approach for interpreting the removal kinetic of 2,4-D by carbonized peanut shell**  
Gülen J., Karpuz Ö.  
Journal of Dispersion Science and Technology, 2024 (SCI-Expanded)
- IV. **A novel biosorbent for remediation of colored waste water**  
GÜLEN F. J., Gezerman A. O.  
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.4, pp.3227-3235, 2023 (SCI-Expanded)
- V. **Remediation of sulfur in two Turkish lignites under various treatments**  
Gulen J., ÖZTÜRK A. B., Boztepe A.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.44, no.3, pp.6456-6465, 2022 (SCI-Expanded)
- VI. **Carbon monoxide absorption with iron and alcohol solutions via design expert method**  
Kandilci H. G., Özgündüz H. İ., Acaralı N., Gülen J.  
Indian Journal of Chemical Technology, vol.29, no.5, pp.560-565, 2022 (SCI-Expanded)
- VII. **Two-step fermentation of cooked rice with *Aspergillus oryzae* and *Clostridium acetobutylicum* YM1 for biobutanol production**  
Öztürk A. B., Al-Shorgani N. K. N., Cheng S., Arasoğlu T., Gülen F. J., Habaki H., Egashira R., Kalil M. S., Yusoff W. M. W., Cross J. S.  
BIOFUELS-UK, pp.1-8, 2020 (SCI-Expanded)
- VIII. **Chemical beneficiation of two Turkish lignites with various chemical treatments**  
Gülen F. J., Boztepe A., Öztürk A. B., Kaya M., Kumral M.  
Periodico Di Mineralogia, no.89, pp.135-143, 2020 (SCI-Expanded)
- IX. **Adsorption of 2,4-Dichlorophenoxyacetic Acid from Aqueous Solution Using Carbonized Chest Nut as Low Cost Adsorbent: Kinetic and Thermodynamic**  
Gulen J., Aslan S.  
ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS, vol.234, no.3, pp.461-484, 2020 (SCI-Expanded)
- X. **Methylene Blue Adsorption on a Low Cost Adsorbent-Carbonized Peanut Shell**  
Gulen J., Zorbay F.  
WATER ENVIRONMENT RESEARCH, vol.89, no.9, pp.805-816, 2017 (SCI-Expanded)
- XI. **Removal of methylene blue by using porous carbon adsorbent prepared from carbonized chest nut shell**  
GÜLEN F. J., İskeçeli M.  
MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, vol.59, no.2, pp.188-194, 2017 (SCI-Expanded)
- XII. **Removal of amitraz from aqueous solutions on clay by adsorption technique at industrial scale**  
GÜLEN F. J., Altın Z., Özgür M.  
MATERIALS TESTING, vol.59, no.1, pp.94-100, 2017 (SCI-Expanded)
- XIII. **Ultrasonic-assisted adsorption of methylene blue on sumac leaves**  
Gulen J., Akin B., ÖZGÜR M.  
DESALINATION AND WATER TREATMENT, vol.57, no.20, pp.9286-9295, 2016 (SCI-Expanded)
- XIV. **Utilization of petrographic analysis for determination of petroleum coke mixtures**  
Cicioğlu Sütçü E., GÜLEN F. J.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.23, no.6, pp.668-672, 2014 (SCI-Expanded)
- XV. **The Effects of Temperature and Mineral Acids on the Demineralization Degree of Nallihan Lignite**  
Gulen J., DOYMAZ İ., Pişkin S., Ongen S.

- ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, no.3, pp.202-208, 2013 (SCI-Expanded)
- XVI. **Adsorption of amitraz on the clay**  
GÜLEN F. J., ALTIN Z., ÖZGÜR M.  
American Journal of Engineering, vol.2, no.6, pp.1-8, 2013 (SCI-Expanded)
- XVII. **A Pyrolytic Study: The Effects of Heating Rates and Sweeping Gas Flow Rates on Temperatures**  
Gulen J., ARSLAN H.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.31, no.20, pp.1840-1847, 2009 (SCI-Expanded)
- XVIII. **Pyrolysis and Gasification of Cotton Scrap Materials as a Municipal Solid Waste Material**  
Gulen J., ARSLAN H.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.31, no.16, pp.1443-1449, 2009 (SCI-Expanded)
- XIX. **Investigation of the aqueous salt solutions of some first and second group metals at various pressures**  
FILIZ M., Guelen J.  
FLUID PHASE EQUILIBRIA, vol.267, no.1, pp.18-22, 2008 (SCI-Expanded)
- XX. **Adsorption of methylene blue from aqueous solution on pyrolyzed petrified sediment**  
Aroguz A. Z., Gulen J., Evers R. H.  
BIORESOURCE TECHNOLOGY, vol.99, no.6, pp.1503-1508, 2008 (SCI-Expanded)
- XXI. **The effect of aqueous caustic and various acid treatments on the removal of mineral matter in asphaltite**  
DOYMAZ I., Gulen J., Pişkin S., TOPRAK S.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.29, no.4, pp.337-346, 2007 (SCI-Expanded)
- XXII. **Mineral matter identification in Nallihan lignite by leaching with mineral acids**  
Guelen J.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.29, no.3, pp.231-237, 2007 (SCI-Expanded)
- XXIII. **Removal of mineral matter from Silopi-Harput asphaltite by acid treatment**  
Gülen F. J., Doymaz İ., Pişkin S., Toprak S.  
Energy Sources, vol.27, no.15, pp.1457-1464, 2005 (SCI-Expanded)
- XXIV. **Removal of mineral matter from Silopi-Harput asphaltite by acid treatment**  
Gulen J., Doymaz I., Piskin S., Toprak S.  
ENERGY SOURCES, vol.27, no.15, pp.1457-1464, 2005 (SCI-Expanded)
- XXV. **Adsorption kinetics of azinphosmethyl from aqueous solution onto pyrolyzed Horseshoe sea crab shell from the Atlantic Ocean**  
Gulen J., Aroğuz A., Dalgın D.  
BIORESOURCE TECHNOLOGY, vol.96, no.10, pp.1169-1174, 2005 (SCI-Expanded)
- XXVI. **Thermal analysis of borogypsum and its effects on the physical properties of Portland cement**  
Elbeyli I. Y., Derun E., Gülen J., Pişkin S.  
Cement and Concrete Research, vol.33, no.11, pp.1729-1735, 2003 (SCI-Expanded)
- XXVII. **Electrochemical study of the corrosion behaviour of Co-Cr-Mo orthopedic implants**  
Özçelik F., Gulen J., AKDOĞAN A., PISKIN S.  
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.36, no.7, pp.385-391, 1999 (SCI-Expanded)
- XXVIII. **Heat Transfers from Gaseous Fuel Oxygen Flames to Metals**  
GÜLEN F. J., KADIRGAN M. A. N., SARAÇ A.  
Applied Energy, vol.39, pp.201-205, 1991 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Removal of amitrole from aq. solutions by acid activated clay**  
GÜLEN F. J., TURAK F., ÖZGÜR M.  
Eur. Chem. Bull., 2014, 3(6), 537-542, vol.3, pp.537-542, 2014 (Peer-Reviewed Journal)
- II. **Reçineler ve Kullanım Alanları**  
GÜLEN F. J.  
Turkchem,, no.38, pp.26-28, 2014 (Non Peer-Reviewed Journal)
- III. **Bor ve Bor Ürünlerinin Uygulama Alanları**  
GÜLEN F. J., acaralı N., Saraç H.  
Turkchem,, no.36, pp.46-52, 2013 (Non Peer-Reviewed Journal)
- IV. **Adsorption of 2,4-D on carbonized chest nut shell**  
GÜLEN F. J., Arslan S.  
Physical Review&Research International, vol.3, no.4, pp.531-540, 2013 (Non Peer-Reviewed Journal)
- V. **Removal of Amitrole by Activated Clay**  
Gülen F. J., Turak F., Özgür M.  
International Journal of Modern Chemistry, vol.2, no.2, pp.47-56, 2012 (Peer-Reviewed Journal)
- VI. **Biyogaz Hakkında Genel Bilgi ve Yan Ürünlerinin Kullanım Alanları**  
GÜLEN F. J., Çeşmeli Ç.  
EÜFBED Fen Bilimleri Enstitüsü Dergisi, vol.5, no.1, pp.65-84, 2012 (Peer-Reviewed Journal)
- VII. **Zeolitler ve kullanım Alanları**  
GÜLEN F. J., Zorbay F., Aslan S.  
KARAEMLAS FEN VE MÜHENDİSLİK DERGİSİ, vol.2, no.1, pp.63-68, 2012 (Peer-Reviewed Journal)
- VIII. **Removal of 2,4-dichlorofenoxyacetic Acid (2,4-D) with Carbonized Peanut Shell**  
GÜLEN F. J., ErKayacan H.  
A Journal of Modern Chemistry & Chemical Technology, vol.3, pp.28-34, 2012 (Peer-Reviewed Journal)
- IX. **Treatments of Çan Lignite with Some Mineral Acids after Sodyum Hydroxide Washing**  
Gülen F. J., Pişkin S., Doymaz İ.  
International Journal of Chemistry, vol.3, no.3, pp.75-80, 2011 (Peer-Reviewed Journal)
- X. **Treatments of Çan Lignite with Some Mineral Acids after Sodyum Hydroxide Washing**  
GÜLEN F. J., PİŞKİN S., DOYMAZ İ.  
International Journal of Chemistry, vol.3, no.3, pp.75-80, 2011 (Peer-Reviewed Journal)
- XI. **Kömür ve Biyokütle Karışımının Yakılması Sonucu Oluşacak Sıcaklık Dağılımının Modellenmesi**  
Çubuk H., GÜLEN F. J., Tepecik A.  
Fırat Uni. Fen ve Müh. Bil. Dergisi, vol.20, no.4, pp.635-640, 2008 (Peer-Reviewed Journal)
- XII. **Biyogaz**  
GÜLEN F. J., Arslan H.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.4, no.4, pp.121-129, 2005 (Peer-Reviewed Journal)
- XIII. **Briquetting of Fine Size Asphaltite without Binder**  
Ateşok G., Özer M., Burat F., Önal G., GÜLEN F. J.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.26, pp.187-201, 2005 (Scopus)
- XIV. **Ardışık Yöntemlerle Silopi Asfaltitlerdeki Mineral Maddenin Giderilmesi**  
DOYMAZ İ., GÜLEN F. J., PİŞKİN S.  
Yıldız Teknik Üniversitesi Dergisi, vol.2003, no.1, pp.71-77, 2003 (Peer-Reviewed Journal)
- XV. **Investigation of Petrographic and Structural Properties of Some Turkish Lignites**  
GÜLEN F. J., Deniz S., Toprak S., sunu M., Pişkin S.  
Chimica Acta Turcica, vol.28, no.2, pp.7-13, 2000 (Peer-Reviewed Journal)
- XVI. **Gaz Yakıt-Oksijen Ön Karışım Alevlerinin Yanma Hızlarını Ölçmek İçin Bir Yöntem Geliştirilmesi**  
Kocabıyık S., GÜLEN F. J., Kadırgan N.  
Isı Bilimi ve Tekniği Der, vol.13, no.4, pp.13-18, 1990 (Peer-Reviewed Journal)
- XVII. **Saray, Çan, Tunçbilek, Ağaçlı, Seyitömer, Seyitömer (düşük kalorili) Linyitlerinin ve Şırnak**

## **Asfaltlerinin Termik Özelliklerinin İncelenmesi**

Pişkin S., Kuyulu A., Loç İ., Kın B., GÜLEN F. J., Dinçer S.

Doğa TU Mühendislik ve Çevre Der, vol.13, no.3, pp.390-403, 1989 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Potential Methods for Converting Coal into Gasification Products for Reduced Global Warming,**  
GÜLEN F. J.  
in: Impacts and Solutions to Global Warming, İbrahim Dinçer, Özgür Çolpan, Fethi Kadioğlu, Editor, Springer, Usa, pp.1035-1054, 2014
- II. **Effect of Oxidative Medium on Removal of Sulfur and Mineral Matter from the Çan Lignites**  
GÜLEN F. J.  
in: Global Warming Engineering Solutions Entitled Book, Dinçer, İ., Midilli, A., Hepbaşlı, A., Karakoç, T., Editor, Green Energy And Applied Technology Council (Atc) Series (Isbn 978-1-4419-1016-5), Newyork, pp.347-355, 2010

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Water Purification by a Biomass Adsorbent under Ultrasonic Effec**  
Gülen F. J., Küçük İ., Salt İ., Saygı Yalçın B.  
, 5. International Turkic World Conference on Chemical Science and Technologies, ITWCCST 2019 Conference, Sakarya, Turkey, 25 - 29 October 2019, pp.11-12
- II. **Production of Biobutanol from Cooked-Rice by Two-Step Fermentation**  
Öztürk A. B., Arasoğlu T., Gülen F. J., Cross J. S.  
JAPAN-CHINA-KOREA Joint Symposium on Energy and Environment, Nagano, Japan, 5 - 07 September 2019, pp.1
- III. **Optimization Study of Water-Based Acrylic Coatings for Glass Materials**  
OKTAY R., ACARALI N., GÜLEN F. J.  
Paint istanbul 2018, İstanbul, Turkey, 20 March 2018
- IV. **Optimization Study of Water Based Glass Dyes**  
OKTAY R., ACARALI N., GÜLEN F. J.  
paintistanbul2018, 20 - 21 March 2018
- V. **Examination of the Parameters Affecting the Functional Time of Electrical Primers**  
Dündar M., Özkan D., Şahin A., GÜLEN F. J.  
, International Conference on Advances in Mechanical Engineering ICAME 17, İstanbul, Turkey, 19 December 2017, pp.843-848
- VI. **Agglomerate Modeling Through Discreetly Distrubuted Catalyst Particles for Anion Exchange Membrane Fuel Cells**  
Karpuz Ö., GÜLEN F. J.  
International Conference on Advances in Mechanical Engineering ICAME 17, İstanbul, Turkey, 19 December 2017, pp.855-859
- VII. **A Study on Thermochemical and Biochemical Conversion Technologies for Biomass Residues**  
Özgündüz İ., Acaralı N., Öztürk B., Çakırsoy A., GÜLEN F. J.  
International Conference on Energy Systems Istanbul 2016 ICES 2016, İstanbul, Turkey, 21 December 2016, pp.294-298
- VIII. **A STUDY ON THERMOCHEMICAL AND BIOCHEMICAL CONVERSION TECHNOLOGIES FOR BIOMASS RESIDUES**  
ÖZGÜNDÜZ H. İ., ACARALI N., ÖZTÜRK A. B., ÇAKIRSOY A., GÜLEN F. J.  
2. International Conference on Energy Systems, (ICES-2016), 21 - 23 December 2016
- IX. **Enhancement Biobutanol Tolerance of Clostridium Species and Sustainable Butanol Production Methods**

Öztürk B., Özgündüz İ., Acaralı N., GÜLEN F. J.

4th Macro Trend Conference, Paris, France, 20 December 2016, pp.20

- X. **Enhancement biobutanol tolerance of Clostridium species and sustainable butanol production methods**  
Öztürk A. B., Özgündüz H. İ., Acaralı N., Gülen F. J.  
4 th Macrotrend Conference Paris 2016, Paris, France, 20 - 21 December 2016
- XI. **Removal of a Cationic Dye by a Biomass Adsorbent**  
GÜLEN F. J., Serdar E.  
2nd International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 May 2016, pp.697-700
- XII. **Investigation of Briquetting Performance of Yeniköy Lignite by Using Humic Acid**  
Boztepe A., GÜLEN F. J., Saraç H.  
2nd International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 May 2016, pp.806-811
- XIII. **Losses of Alloying Elements in Metallurgical Applications**  
GÜLEN F. J., Gür M.  
international Conference on Advances in Mechanical Engineering, Ankara, Turkey, 13 May 2015, pp.796-801
- XIV. **Investigation of Briquetting of A Turkish Lignite by Using Additives**  
Boztepe A., GÜLEN F. J., Saraç h.  
international Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 13 May 2015, pp.898-901
- XV. **Removal of Monocrotophos by Clay**  
GÜLEN F. J., Karademir S.  
Eurasia 2014 Waste Management Symposium, İstanbul, Turkey, 28 April 2014, pp.1097-1103
- XVI. **Eurasia 2014 Waste Management Symposium**  
GÜLEN F. J., Karademir S.  
01 April 2014, pp.1097-1103
- XVII. **Adsorption of Naproxen Sodium by Clay**  
GÜLEN F. J., Demir Ö.  
International Solid Waste, Water and Waste Water Congress, İstanbul, Turkey, 22 May 2013, pp.397
- XVIII. **Petrokok Kullanımı, Tanınması ve Düşündürdükleri**  
Toprak S., Sütçü E., Ulaş A., Oğuz N., GÜLEN F. J.  
19th International Petroleum and Natural Gas Congress and Exhibition of Turkey, Ankara, Turkey, 15 May 2013, pp.362-365
- XIX. **Some Processes Applied for Coal Converting into Valuable Gasification Products,**  
GÜLEN F. J.  
Global Conference on Global Warming (GCGW 2012, İstanbul, Turkey, 08 July 2016, pp.395-399
- XX. **Chemical Treatments for Decreasing of Sulfur and Mineral Matter in Nallıhan Lignite**  
GÜLEN F. J.  
Global Conference on Global Warming (GCGW 2012, İstanbul, Turkey, 08 July 2016, pp.389-394
- XXI. **Removal of Pesticide by Activated Carbon**  
GÜLEN F. J., Çeşmeli Ç.  
Eurasia Waste Management Symposium, İstanbul, Turkey, 14 November 2011
- XXII. **Removal of Pesticide by Perlite**  
GÜLEN F. J., Deler Ö.  
Eurasia Waste Management Symposium, İstanbul, Turkey, 14 November 2011
- XXIII. **Boyar Madde Giderimi**  
GÜLEN F. J., Zorbay F.  
9. Ulusal Kimya Kongresi, Ankara, Turkey, 22 June 2010
- XXIV. **Metilen Mavisi Giderimi**  
GÜLEN F. J., İskeçeli M.  
9. Ulusal Kimya Kongresi, Ankara, Turkey, 22 June 2010
- XXV. **Desulphurization Methods of Flue Gases**  
GÜLEN F. J.

- Conference on Global Warming 2009, İstanbul, Turkey, 05 July 2009, pp.1029-1033
- XXVI. **Various Applications for Decreasing of Sulfur in Lignite**  
GÜLEN F. J.  
Global Conference on Global Warming 2009, İstanbul, Turkey, 05 July 2009, pp.1034-1039
- XXVII. **Killerle Pestisit Giderimi**  
GÜLEN F. J., Özgür M.  
8. Ulusal Kimya Kongresi, Malatya, Turkey, 26 August 2008, pp.267-268
- XXVIII. **The Effect of Oxidative Medium for Decreasing of Sulfur & Mineral Matter of Çan Lignite**  
GÜLEN F. J.  
Global Conference on Global Warming 2008, İstanbul, Turkey, 06 July 2008, pp.33-42
- XXIX. **The Effect of Reductive Medium for Decreasing of Undesired Parts of Çan Lignite**  
GÜLEN F. J.  
Global Conference on Global Warming 2008, İstanbul, Turkey, 06 July 2008, pp.1003-1012
- XXX. **Pestisit Adsorpsiyonu İçin Bitkisel Kabuktan Faydalanma**  
GÜLEN F. J., Erkayacan H.  
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 04 July 2007, pp.74
- XXXI. **Thermodynamic Aspects of the Adsorption of Dye on Sediment**  
Aroğuz Z., GÜLEN F. J., Evers R.  
Second International Conference on Applied Thermodynamics, İstanbul, Turkey, 18 May 2005, pp.695-697
- XXXII. **Utilization of Borax Waste as an Additive in Building Brick Production**  
Elbeyli İ., Kalpaklı Y., GÜLEN F. J., Pişkin M., Pişkin S.  
Second International Boron Symposium, Eskişehir, Turkey, 23 September 2004, pp.431-436
- XXXIII. **Utilization of Borax Waste, Fly Ash and Silica Fume in Manufacturing of Building Brick**  
Elbeyli İ., Kalpaklı Y., GÜLEN F. J., Pişkin M., Pişkin S.  
Second International Boron Symposium, Eskişehir, Turkey, 23 September 2004, pp.449-454
- XXXIV. **Mathematical Relationship for Co-Firing of Sweet Sorghum (10%) and Lignite (90%) Mixture**  
Çubuk H., GÜLEN F. J., Tepecik A.  
The First Cappodocia International Mechanical Engineering Symposium- CMES 04, Nevşehir, Turkey, 14 July 2004, pp.128-131
- XXXV. **Tekstil Atıklarının Değerlendirilmesi**  
GÜLEN F. J., Arslan H.  
V. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 26 May 2004, pp.963-968
- XXXVI. **Model Development for Co-Firing of Biomass and Lignite (Orhaneli)**  
Çubuk H., GÜLEN F. J., Tepecik A.  
Utilization of Borax Waste, Fly Ash and Silica Fume in Manufacturing of Building Brick, İzmir, Turkey, 13 July 2003, pp.941-943
- XXXVII. **Leaching of Nallıhan Lignites with Some Acids**  
GÜLEN F. J., DOYMAZ İ., PİŞKİN M. B., Özgen S., PİŞKİN S.  
Proceedings of X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 June 2003, pp.303-307
- XXXVIII. **Türkiye'nin Hidroelektrik Potansiyeli ve Çevresel Etkileri**  
GÜLEN F. J., Pişkin S.  
IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 October 2002, pp.549-556
- XXXIX. **Değişik Reaktifler Kullanarak Nallıhan Linyitinin Demineralizasyonu**  
GÜLEN F. J., DOYMAZ İ., PİŞKİN S.  
V. Ulusal Kimya Mühendisliği Kongresi (UKMK-5), Ankara, Turkey, 02 May 2002
- XL. **Demineralization of Asphaltite with Different Acids after Treating Sodium Hydroxide**  
GÜLEN F. J., DOYMAZ İ., PİŞKİN S.  
Proceedings of The 9th Balkan Mineral Processing Congress, İstanbul, Turkey, 11 September 2001, pp.413-416
- XLI. **Silopi-Harpur Asfaltitlerinin Flotasyon ve Demineralizasyonla Zenginleştirilmesi**  
Doymaz İ., GÜLEN F. J., Pişkin S.  
XV. Ulusal Kimya Kongresi, Boğaziçi Üniversitesi, İstanbul, Turkey, 04 September 2001

- XLII. Demineralization of Silopi-Harpur Asphaltite**  
GÜLEN F. J., DOYMAZ İ., PİŞKİN S.  
The Fourth International Thermal Energy Congress, İzmir, Turkey, 08 July 2001, pp.23-28
- XLIII. Usage of Boron Concentration Wastes in Some Industries such as Brick, Cement, etc.**  
Elbeyli İ., GÜLEN F. J., Möröydor E., Pişkin S.  
Euro Environment European Conference, Aalborg, Denmark, 18 October 2000
- XLIV. Talk Cevherinin Flotasyonla Zenginleştirilmesi ve Değerlendirilmesi**  
GÜLEN F. J., Möröydor E., Yakar İ., Pişkin S.  
Dördüncü Ulusal Kimya Mühendisliği Kongresi, İstanbul, Turkey, 04 September 2000
- XLV. Talk Cevherinin Boyut Analizine Göre Yapısal İncelenmesi**  
Yakar İ., Möröydor E., GÜLEN F. J., Pişkin S.  
Dördüncü Ulusal Kimya Mühendisliği Kongresi, İstanbul, Turkey, 04 September 2000
- XLVI. Fiziksel Özelliklerin Kömürün Kalitesine ve Termik Özelliklerine Etkisi**  
Sütcü H., Yakar İ., GÜLEN F. J., Pişkin S.  
12. Ulusal Isı Bilimi ve Tekniği Kongresi, Sakarya, Turkey, 28 February 2000, vol.2, pp.757-761
- XLVII. Usage of Gypsum Waste Containing Boron in Plaster Production**  
Kalpaklı Y., GÜLEN F. J., Elbeyli İ., Pişkin S.  
The 15th International Conference on Solid Waste Technology and Management, Philadelphia, United States Of America, 12 December 1999
- XLVIII. Enrichment of Shales of Bituminous Coal**  
Sütcü H., GÜLEN F. J., Elbeyli İ., Pişkin S.  
The 15th International Conference On Solid Waste Technology and Management, Philadelphia, United States Of America, 12 December 1999
- XLIX. Evaluation of Solid Wastes Containing Boron in Cement Industry**  
Elbeyli İ., GÜLEN F. J., Özbek E., Pişkin S.  
The Fifteenth International Conference On Solid Waste Technology and Management, Philadelphia, United States Of America, 12 December 1999
- L. Bor İçerikli Jips Atığının Endüstriyel Alanda Değerlendirilmesi**  
GÜLEN F. J., Yakar İ., Pişkin S.  
XIII. Ulusal Kimya Kongresi, Samsun, Turkey, 31 August 1999, pp.508
- LI. Boraks ve Borik Asit Üretiminde Açığa Çıkan Katı Atıkların Çimento Sanayinde Değerlendirilmesi**  
Yakar İ., GÜLEN F. J., Pişkin S.  
XIII. Ulusal Kimya Kongresi, Samsun, Turkey, 31 August 1999, pp.507
- LII. Evaluation of Boron Waste, Fly Ash and Silica Fume in Building Brick Industry**  
GÜLEN F. J., Elbeyli İ., Kalpaklı Y., Pişkin S.  
The Kriton Curi International Symposium on Environmental Management in the Mediterranean Region, Antalya, Turkey, 18 June 1999, pp.325-336
- LIII. Elektro Kimyasal Yöntemle Ortopedik Metalik İmplant Co-Cr-Mo Alaşımının Korozyon Davranışının İncelenmesi**  
GÜLEN F. J., Özçelik F., Pişkin S.  
1. Elektro Kimya Günleri, Bolu, Turkey, 31 January 1999
- LIV. Bazı Türk Linyitlerinin Petrografik ve Yapısal Özelliklerini İncelenmesi**  
GÜLEN F. J., Toprak S., Deniz S., Altın Z., Pişkin S.  
Üçüncü Ulusal Kimya Mühendisliği Kongresi, Erzurum, Turkey, 01 September 1998, pp.31-36
- LV. Doğal Gazın Performansının Diğer Yakıtlarla Kıyaslanması**  
GÜLEN F. J., Kadırgan N.  
Türkiye Altıncı Enerji Kongresi, İzmir, Turkey, 17 October 1994, vol.3, pp.5-9
- LVI. Gaz Yakıt-Oksijen Ön Karışım Alevlerinden Metal ve Cam Çubuklara Isı İletiminin Kıyaslanması**  
GÜLEN F. J., Kadırgan N.  
IX. Kimya ve Kimya Mühendisliği Sempozyumu, Trabzon, Turkey, 20 September 1993, pp.445
- LVII. Gaz Yakıtların Yanma Hızlarının İncelenmesi**



- GÜLEN F. J., Kadirgan N.  
Üçüncü Yanma Sempozyumu, Bursa, Turkey, 19 July 1993, pp.237-240
- LVIII. **Asetilen Oksijen Ön Karışım Alevlerinin Yanma Hızlarının İncelenmesi**  
Kocabıyık S., GÜLEN F. J., Kadirgan N.  
VII. Kimya Kimya Mühendisliği Sempozyumu, Gazimagusa, Turkey, 02 April 1991, pp.78-79
- LIX. **Gaz Yakıt Oksijen Alevlerinden Metallerin Isı İletiminin Ölçülmesi İçin Bir Yöntem**  
GÜLEN F. J., Kadirgan N., Saraç A.  
Türkiye 5. Enerji Kongresi, Ankara, Turkey, 22 October 1990, pp.321-327
- LX. **Gaz Yakıt Oksijen Alevlerinin Metal Çubukları Kesme Sürelerini Ölçerek Bu Alevlerden Isı İletiminin Kıyaslanması**  
GÜLEN F. J., Saraç A., Kadirgan N.  
VI. Kimya Kimya Mühendisliği Sempozyumu, İzmir, Turkey, 09 October 1989, pp.50-51
- LXI. **Bazı Alkali ve Toprak Alkali Metal Tuzları Sulu Çözeltilerinin, Çözelti Basıncı/Çözücü Basıncı İlişkisinin Çeşitli Basınçlarda İncelenmesi**  
Filiz M., GÜLEN F. J.  
Ülkemizin Kalkınmasında Mühendisliğin Rolü Sempozyumu, İstanbul, Turkey, 20 June 1988, pp.107-117

## Other Publications

- I. **Aktif Alümina**  
GÜLEN F. J., Boztepe A.  
Other, pp.7-13, 2015
- II. **Bor Elementi ve Taşıtlarda Kullanımı**  
GÜLEN F. J., Saraç H., Özgündüz İ.  
Other, pp.82-92, 2014
- III. **Aktif Karbon Üretimi**  
GÜLEN F. J., İskeçeli M.  
Other, pp.52-53, 2012
- IV. **Aktif Karbon Tanımı ve Karakterizasyonu**  
GÜLEN F. J., İskeçeli M.  
Other, pp.70-72, 2012
- V. **Perlit Cevheri ve Genel Özellikleri**  
GÜLEN F. J., Deler Ö.  
Other, pp.13-16, 2010
- VI. **Katı Atıklar ve Değerlendirme Teknolojileri**  
GÜLEN F. J., Arslan H.  
Other, pp.33-41, 2005

## Supported Projects

- GÜLEN F. J., ÖZTÜRK A. B., ARASOĞLU T., Project Supported by Higher Education Institutions, İki Adımlı Fermantasyon ile Atık Pirinçten Sürdürülebilir Biyoyakıt Üretimi, 2020 - 2022
- GÜLEN F. J., Project Supported by Higher Education Institutions, Soma Linyit Toz Kömürlerinin Katkı Maddeleriyle Briketlenmesi, 2014 - 2017
- GÜLEN F. J., Project Supported by Higher Education Institutions, Ultrasonic Yöntemle Boyar Madde Giderimi, 2011 - 2013
- GÜLEN F. J., Project Supported by Higher Education Institutions, Killerle Pestisit Giderimi, 2008 - 2011
- GÜLEN F. J., Project Supported by Higher Education Institutions, Bitkisel Kabukların Adsorban Olarak Kullanımı, 2007 - 2008

GÜLEN F. J., Project Supported by Higher Education Institutions, Endüstriyel Atık Maddelerin Karbonizasyonu ve Elde Edilen Katı Ürünlerin İncelenmesi, 2003 - 2006

GÜLEN F. J., Other International Funding Programs, Endüstriyel Atık Maddelerin Karbonizasyonu, 2002 - 2005

## **Metrics**

Publication: 120

Citation (WoS): 168

Citation (Scopus): 190

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

Yıldız Teknik Üni