

Res. Asst. PhD GÜLŞAH YILAN

Personal Information

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Biography

Gülşah YILAN received her Bachelor of Science degree in 2008 from Chemical Engineering Department of Marmara University. She also had her Master of Science and Philosophy of Doctorate degrees from Marmara University Pure and Applied Sciences Institute in 2011 and 2018, respectively. She is currently working at Chemical Engineering Department of Marmara University.

Education Information

Post Doctorate, Universita Degli Studi di Roma La Sapienza, Economic Policy, Italy 2020 - Continues

Undergraduate, Istanbul University, Open And Distance Education Faculty, Open Education Programs, Turkey 2019 - Continues

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Kimya Mühendisliği (Dr), Turkey 2011 - 2018

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Biyomühendislik (YI) (Tezli), Turkey 2008 - 2011

Undergraduate, Marmara University, Faculty Of Engineering, Chemical Engineering, Turkey 2004 - 2008

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, PEDAGOJİK FORMASYON, Marmara Üniversitesi, 2016

Dissertations

Doctorate, COMPARISON OF LIFE CYCLE ASSESSMENT OF ELECTRICITY PRODUCTION MIX IN TURKEY WITH FUTURE ELECTRICITY PRODUCTION SCENARIOS, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2018

Postgraduate, Microbial adaptation to stress conditions using an integrative modelling and experimental approach, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik (YI) (Tezli), 2011

Research Areas

Chemical Engineering and Technology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty Of Engineering, Chemical Engineering, 2011 - Continues

Courses

CALCULUS II, Undergraduate, 2019 - 2020

CALCULUS II, Undergraduate, 2019 - 2020

CALCULUS I, Undergraduate, 2019 - 2020

CALCULUS I, Undergraduate, 2018 - 2019

Advising Theses

Yılan G., Özcan A., Postgraduate, T.ÇAĞLAR(Student), 2021

Yılan G., Çiftçioğlu G. A. , Life Cycle Assessment of Crude Oil Processing Plant in Sudan, Postgraduate, M.ABDELGADIR(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reconciling human health with the environment while struggling against the COVID-19 pandemic through improved face mask eco-design**
Morone P., YILAN G., Imbert E., Becchetti L.
Scientific reports, vol.12, no.1, pp.2445, 2022 (Journal Indexed in SCI)
- II. **Using fuzzy cognitive maps to identify better policy strategies to valorize organic waste flows: An Italian case study**
Morone P., YILAN G., Imbert E.
Journal of Cleaner Production, vol.319, 2021 (Journal Indexed in SCI)
- III. **Analysis of Electricity Generation Options for Sustainable Energy Decision Making: the Case of Turkey**
Yılan G., Kadirgan M. A. N. , Çiftçioğlu G. A.
RENEWABLE ENERGY, vol.146, pp.519-529, 2020 (Journal Indexed in SCI)
- IV. **Environmental and social life cycle sustainability assessment of different packaging waste collection systems**
Yildiz-Geyhan E., Yılan G., Altun-Ciftcioglu G. A. , Kadirgan M. A. N.
RESOURCES CONSERVATION AND RECYCLING, vol.143, pp.119-132, 2019 (Journal Indexed in SCI)
- V. **Environmental analysis of different packaging waste collection systems for Istanbul - Turkey case study**
Yildiz-Geyhan E., Yilcan-Ciftci G., Altun-Ciftcioglu G. A. , Kadirgan M. A. N.
RESOURCES CONSERVATION AND RECYCLING, vol.107, pp.27-37, 2016 (Journal Indexed in SCI)
- VI. **Interplay of adaptive capabilities of Halomonas sp AAD12 under salt stress**
Ceylan S., Yılan G., Sarıyar Akbulut B., Poli A., Kazan D.
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.114, pp.45-52, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sudan'daki Bir Rafineride Kullanılan İki Farklı Ham Petrol Türünün Karşılaştırmalı Yaşam Döngüsü Değerlendirmesi**
Abdelgadir M., YILAN G., ÇİFTÇİOĞLU G. A.

Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.5, no.1, pp.1-7, 2022 (Other Refereed National Journals)

II. Ambalaj Atığı Toplama Sistemlerinin Karşılaştırmalı Sürdürülebilirlik Analizi

Yıldız Geyhan E., Yılan G., Çiftçioğlu G. A. , Kadırgan M. A. N.

International Journal of Advances in Engineering and Pure Sciences, vol.33, no.4, pp.511-525, 2021 (Other Refereed National Journals)

III. Transition to a Circular, Sustainable, and Equitable Fashion Industry in a Global North/South Perspective

Morone P., Yılan G., Encino-Muñoz A. G.

Africa e Mediterraneo, vol.94, no.1, pp.7-15, 2021 (Refereed Journals of Other Institutions)

IV. A paradigm shift in sustainability: from lines to circles

Morone P., Yılan G.

Acta Innovations, no.36, pp.17-32, 2020 (Refereed Journals of Other Institutions)

V. The Importance of Daily Life Phenomena in Chemical Engineering Education

Çiftçioğlu G. A. , Kunter F., Yılan G., Kadırgan M. A. N.

International Journal of Information and Education Technology, vol.7, pp.837-843, 2017 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. Tracing Waste to Assess Circular Economy Gaps from a Global Perspective

Morone P., YILAN G., Ana Gabriela E.

Sustainable Solutions at Times of Transition (SuST), Nisyros, Greece, 14 July 2022

II. The pursuit of an ethical, circular, and sustainable fashion sector: the Cartiera case study

Morone P., YILAN G., Imbert E.

9th International Conference on Sustainable Solid Waste Management, Corfu, Greece, 15 June 2022

III. A Comparative Life Cycle Assessment of Two Different Crude Oil Types For a Refinery in Sudan

Abdelgadir M., YILAN G., ÇİFTÇİOĞLU G. A.

International Online Engineering and Natural Sciences Conference (IOCENS'21), Turkey, 05 July 2021

IV. The Assessment of Environmental Impacts: A Case Study of a Crude Oil Refinery in Sudan

Abdelgadir M., YILAN G., ÇİFTÇİOĞLU G. A.

International Online Engineering and Natural Sciences Conference (IOCENS'21), Turkey, 5 - 06 July 2021

V. Sustainable cardboard label production

Yılan G., Özcan A., Çağlar T.

International Symposium on Graphic Engineering and Design GRID 2020, Novi-Sad, Serbia, 12 - 14 November 2020, pp.153-159

VI. Discourse Analysis of the Sustainability Transition for the Organic Fraction of Italian Municipal Waste

Morone P., YILAN G., Imbert E.

Workshop on Accelerating Green Innovations, Bremen, Germany, 1 - 02 October 2020

VII. Yangın Kimyası ve Yanma Mekanizmaları

YILAN G., YILDIZ GEYHAN E., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.

Yangın Sempozyumu ve Sergisi, Kocaeli, Turkey, 14 - 15 November 2019

VIII. Yangın Söndürücülerin Etki Mekanizmaları

YILAN G., YILDIZ GEYHAN E., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.

Yangın Sempozyumu ve Sergisi, Kocaeli, Turkey, 14 - 15 November 2019

IX. Yıkıntı Atıklarından Kaynaklı Asbestin Potansiyel Tehlike Analizi

YıldızGeyhan E., YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.

ULUSLARARASI ÇEVRE MÜHENDİSLİĞİ KONGRESİ, 10 - 12 October 2019, pp.434-439

X. YIKINTI ATIKLARINDAN KAYNAKLI ASBESTİN POTANSİYEL TEHLİKE ANALİZİ

yıldız geyhan e., YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.

1. Uluslararası Çevre Mühendisliği Kongresi-2019, 10 - 12 October 2019, pp.434-439

- XI. **Environmental Impact Assessment of Electricity Generation in Turkey**
YILAN G., YILDIZ GEYHAN E., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
4th International Conference on Viable Energy Trends (InVenT-2019), İstanbul, Turkey, 26 - 28 April 2019
- XII. **A Country-based Comparison of Global Warming Potential of National Electricity Generation**
YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
The 2nd International Conference on Applications in Chemistry and Chemical Engineering(ICACChE), Belgrade, Serbia And Montenegro, 10 - 14 October 2018
- XIII. **Electricity Sector Investments in Turkey with the Comparison of Environmental Burdens Generated**
YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
The 2nd International Conference on Applications in Chemistry and Chemical Engineering (ICACChE), Belgrade, Serbia And Montenegro, 10 - 14 October 2018
- XIV. **Türkiye’deki Geri Dönüştürülebilir Ambalaj Atıklarının Toplama Senaryolarının Küresel Isınma Potansiyeli Açısından Değerlendirilmesi**
YILDIZ GEYHAN E., YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018
- XV. **Türkiye’nin Elektrik Üretiminden Kaynaklanan Küresel Isınma Potansiyelinin Gelecek Senaryolarıyla Kıyaslanması**
YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018
- XVI. **Comparison of Electricity Generation Technologies Using Life Cycle Assessment**
YILAN G., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017
- XVII. **Multi Criteria Decision Analysis MCDA of Electricity Generation Options for Sustainable Energy Decision Making (DM): The Turkey Case**
YILAN G., KADIRGAN M. A. N. , ÇİFTÇİOĞLU G. A.
10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, Croatia, 27 September - 02 October 2015
- XVIII. **The Importance of Daily Life Phenomena in Chemical Engineering Education**
ÇİFTÇİOĞLU G. A. , KUNTER F., YILAN G., KADIRGAN M. A. N.
3rd International Conference on Education and Social Sciences (ICESS 2016), BANGKOK, Thailand, 9 - 11 October 2016
- XIX. **Parameters to Compare Renewable Energy Sources with Non Renewable Energy Sources for Power Production**
YILAN G., BURCUM T., SOMUNCU T., SELEN H., ÇİFTÇİOĞLU G. A. , KADIRGAN M. A. N.
3RD International 100 Renewable Energy Conference (IRENEC 2013), İstanbul, Turkey, 27 - 29 June 2013
- XX. **İdeal Olmayan Piston Akışlı Reaktörlerde Eksensel Dispersiyonun Ürün Dönüşümüne Etkisinin Dağıtılmış Parametreler Modeli Kullanılarak İncelenmesi**
YILAN G., ÖZDEMİR O., KÜÇÜKADA K.
Ulusal Kimya Mühendisliği Kongresi 2012 (UKMK – 10), İstanbul, Turkey, 3 - 06 September 2012
- XXI. **Analysis of the Osmolyte Strategy of the Moderately Halophilic Halomonas sp AAD12**
SARIYAR AKBULUT B., CEYLAN S., YILAN G., KAZAN D.
The 12th International Conference on Systems Biology (ICSB 2011), Heidelberg, Germany, 28 August - 01 September 2011
- XXII. **Understanding of Microbial Adaptation to High Salt Concentrations**
YILAN G., AKMAN Ş. U. , SARIYAR AKBULUT B.
Istanbul Conference on Mathematical Methods and Modelling in Life Sciences and Biomedicine 2009 (ICMMM-LSB), İstanbul, Turkey, 17 - 21 August 2009
- XXIII. **Bir İş Merkezinin Güneş Enerjisiyle Soğutulması Ulusal Kimya Mühendisliği Kongresi 2008 UKMK 8**
26 29 Ağustos 2008 İnönü Üniversitesi Malatya

KADIRGAN M. A. N. , ÇİFTÇİOĞLU G. A. , SEVENCAN S., YILAN G.

Ulusal Kimya Mühendisliği Kongresi 2008 (UKMK – 8), Malatya, Turkey, 26 - 29 August 2008

Supported Projects

Yılan G., Morone P., EU Supported Other Project, Assessing the Italian sustainability transition towards a circular bioeconomy (BIOTOP), 2020 - 2021

Yılan G., Çiftçioğlu G. A. , Project Supported by Higher Education Institutions, Türkiyedeki Elektrik Üretimi Karışımının Gelecekteki Üretim Senaryolarıyla Karşılaştırılmasının Yaşam Döngüsü Değerlendirilmesi, 2013 - 2018

Activities in Scientific Journals

CURRENT OPINION IN GREEN AND SUSTAINABLE CHEMISTRY, Assistant Editor, 2021 - Continues

Scientific Refereeing

ENERGY EXPLORATION & EXPLOITATION, SCI Journal, October 2021

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, August 2021

Global Journal of Flexible Systems Management, Other Indexed Journal, August 2021

APPLIED ENERGY, SCI Journal, March 2020

Citations

Total Citations (WOS):91

h-index (WOS):5

Invited Talks

A Combined Application of LCA and MCDA Methodologies on Sustainability Assessment Studies, Seminar, Università Degli Studi di Roma La Sapienza, Italy, January 2020