

Personal Information

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Education Information

Post Doctorate, Clemson University, Environmental engineering and Earth Sciences, Environmental Engineering, United States Of America 2022 - 2023

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2009 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2006 - 2009

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2001 - 2008

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2004 - 2006

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2001 - 2006

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Büyüme faktörlerini sıralı salan kitosan doku iskelelerinin üretimi ve kemik doku mühendisliği uygulamaları, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2014

Postgraduate, Tip 1 Diyabetler için DOğrusal Olmayan Model Öngörmeli Kontrol, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2009

Research Areas

Chemical Process System Engineering

Academic Titles / Tasks

Research Assistant, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2007 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. OPTIMIZATION OF HYDRODISTILLATION OF ESSENTIAL OIL FROM MENTHA SPICATA L. BY USING RESPONSE SURFACE METHODOLOGY

Göz E.

LATIN AMERICAN APPLIED RESEARCH, vol.53, no.3, pp.203-213, 2023 (SCI-Expanded)

- II. Kinetic and artificial neural network modeling techniques to predict the drying kinetics of Mentha

spicata L.

Karakaplan N., GÖZ E., TOSUN E., YÜCEER A. M.

JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.43, no.10, 2019 (SCI-Expanded)

- III. **Prediction of Bromate Removal in Drinking Water Using Artificial Neural Networks**
KARADURMUŞ E., Taskin N., GÖZ E., YÜCEER A. M.
OZONE-SCIENCE & ENGINEERING, vol.41, no.2, pp.118-127, 2019 (SCI-Expanded)
- IV. **FRACTIONAL-ORDER CONTROL STRATEGIES FOR THE ACTIVATED SLUDGE PROCESS**
GÖZ E., YÜCEER A. M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.12, pp.8071-8080, 2018 (SCI-Expanded)
- V. **Prediction of characteristic properties of crude oil blending with ANN**
KARADURMUŞ E., AKYAZI H., GÖZ E., YÜCEER A. M.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.39, no.9, pp.1236-1243, 2018 (SCI-Expanded)
- VI. **Effect of emulsification-diffusion parameters on the formation of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) particles**
GÖZ E., KARAKEÇİLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.1, pp.226-234, 2016 (SCI-Expanded)
- VII. **Combined delivery of PDGF-BB and BMP-6 for enhanced osteoblastic differentiation**
Demirtas T. T., GÖZ E., KARAKEÇİLİ A., GÜMÜŞDERELİOĞLU M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.27, no.1, 2016 (SCI-Expanded)
- VIII. **COMPARISON OF CONTROL STRATEGIES FOR DISSOLVED OXYGEN CONCENTRATION IN ACTIVATED SLUDGE PROCESS**
Akyurek E., KARADURMUŞ E., YÜCEER A. M., GÖZ E., Atasoy I., Berber R.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.6, pp.2099-2112, 2016 (SCI-Expanded)
- IX. **AN INTERACTIVE GIS-BASED SOFTWARE FOR DYNAMIC MONITORING OF RIVERS**
Yetik M. K., YÜCEER A. M., Karadurmus E., Semizer E., Calimli A., Berber R.
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.15, no.4, pp.1767-1778, 2014 (SCI-Expanded)
- X. **Comparison of control algorithms for the blood glucose concentration in a virtual patient with an artificial pancreas**
Semizer E., YÜCEER A. M., Atasoy I., Berber R.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.90, no.7, pp.926-937, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **BROMATE REMOVAL PREDICTION IN DRINKING WATER BY USING THE LEAST SQUARES SUPPORT VECTOR MACHINE (LS-SVM)**
Karadurnius E., GÖZ E., Taskin N., YÜCEER A. M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.4, pp.2145-2153, 2020 (ESCI)

Books & Book Chapters

- I. **chapter 4**
GÖZ E., KARADURMUŞ E., YÜCEER A. M.
in: A comprehensive Guide to Neural Network modeling, Stefen Skaar, Editor, Nova Science Publisher, New York, pp.123-153, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **GRAPHICAL USER INTERFACE DESIGN FOR REMOVAL OF OUTLIERS DATA: YESILIRMAK RIVER EXAMPLE**
ZENGÜL Z., GÖZ E., KARADURMUŞ E., YÜCEER A. M.
International Symposium for Environmental Science and Engineering Research 2023, Konya, Turkey, 18 October 2023
- II. **Artificial Neural Network Modeling for Drying Kinetics of Mentha piperita L**
TAŞTAN B., GÖZ E., YÜCEER A. M.
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Turkey, 11 October 2023
- III. **PREDICTION OF SULPHATE CONCENTRATION IN DRINKING WATER**
KELEŞ C., GÖZ E., KARADURMUŞ E., YÜCEER A. M.
2nd International Integrated Pollution Prevention and Control Symposium (EKOK METAL), Karabük, Turkey, 06 October 2021
- IV. **ARTIFICIAL NEURAL NETWORK MODELLING FOR O₃ PREDICTION FOR AIR QUALITY**
GÖZ E., UĞUZ G., KAYA S., AKYAZI H., KARADURMUŞ E., YÜCEER A. M.
2nd International Integrated Pollution Prevention and Control Symposium (EKOK METAL), Karabük, Turkey, 06 October 2021
- V. **En Küçük Kareler Destek Vektör Makinaları Yöntemi Kullanılarak İçme Suyundan Bromat Gideriminin Öngörülmesi**
KARADURMUŞ E., TAŞKIN N., GÖZ E., YÜCEER A. M.
3. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 12 - 15 November 2019
- VI. **En Küçük Kareler Destek Vektör Makinaları Kullanılarak İçme Suyundan Bramat Gideriminin Öngörülmesi**
KARADURMUŞ E., GÖZ E., Taşkın N., YÜCEER A. M.
3rd International Water and Health Congress, Antalya, Turkey, 12 - 15 November 2019, pp.636-640
- VII. **Yapay Sinir Ağı Kullanılarak Tuz Kalitesinin Öngörülmesi**
Atılgan O., GÖZ E., KARADURMUŞ E., YÜCEER A. M.
10. Ulusal Hidroloji Kongresi, Muğla, Turkey, 9 - 12 October 2019, pp.881-884
- VIII. **Machine Learning Application of Dissolved Oxygen Prediction in River Water Quality**
GÖZ E., YÜCEER A. M., KARADURMUŞ E.
4thWorld Congress on Civil, Structural, and Environmental Engineering (CSEE'19), ICEPTP119, Roma, Italy, 7 - 09 April 2019
- IX. **Total Organic Carbon Prediction with Artificial Intelligence Techniques**
GÖZ E., YÜCEER A. M., KARADURMUŞ E.
29th European Symposium on Computer-Aided Process Engineering (ESCAPE), Eindhoven, Netherlands, 16 - 19 June 2019, vol.46, pp.889-894
- X. **Modeling of salt quality by using extreme learning machine**
KARADURMUŞ E., GÖZ E., Atılgan O., YÜCEER A. M.
EGTEIG Environment, Green Tegnology Engineering, 18 - 20 June 2018
- XI. **KERNEL BASED EXTREME LEARNING MACHINE FOR TOTAL ORGANIC CARBON PREDICTION IN YESILIRMAK RIVER**
GÖZ E., YÜCEER A. M., KARADURMUŞ E., YETİK M. K.
3rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST), Budapest, Hungary, 19 - 23 October 2017, pp.183
- XII. **ARTIFICIAL NEURAL NETWORK MODELING FOR PREDICTING BROMATE REMOVAL IN DRINKING WATER**
KARADURMUŞ E., TAŞKIN N., GÖZ E., YÜCEER A. M.
3rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST), Budapest, Hungary, 19 - 23 October 2017, pp.121
- XIII. **Kernel Based Extreme Learning Machine for Total Organic Carbon Prediction in Yeşilırmak River**
GÖZ E., YÜCEER A. M., KARADURMUŞ E., YETİK M. K.

3rd International Conference on Environmental Science and Technology ICOEST, Budapest, Hungary, 19 - 23 October 2017

- XIV. **Trend Analysis of Water Quality Monitoring Data for Yeşilırmak River**
GÖZ E., KARADURMUŞ E., YÜCEER A. M., YETİK M. K.
Uluslararası Su ve Atık Su Yönetimi Sempozyumu, Malatya, Turkey, 26 - 28 October 2016
- XV. **Detection of Outliers in Water Quality Parameters from Monitoring Stations in Yeşilırmak River**
KARADURMUŞ E., GÖZ E., YÜCEER A. M., Atasoy Emre İ.
Uluslararası Kentsel Su ve Atık Su Yönetimi Sempozyumu, Malatya, Turkey, 26 - 28 October 2016
- XVI. **BÜYÜME FAKTÖRLERİNİ KONTROLLÜ SALAN KİTOSAN DOKU İSKELELERİNİN ÜRETİMİ VE KEMİK DOKU MÜHENDİSLİĞİ UYGULAMALARI**
GÖZ E., Demirtaş T., KARAKEÇİLİ A., GÜMÜŞDERELİOĞLU M.
12. Ulusal kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016
- XVII. **Combined delivery of BMP 6 and PDGF BB From Chitosan Scaffolds for Osteoblastic Differentiation**
GÖZ E., DEMİRTAŞ T., KARAKEÇİLİ A., GÜMÜŞDERELİOĞLU M.
9th nanocongress for next generation, Manchester, United Kingdom, 1 - 02 August 2016, vol.7
- XVIII. **Synthesis of PHBV Nanoparticles and BSA Release Kinetics.**
GÖZ E., KARAKEÇİLİ A.
1st International Symposium on Nanoparticles/Nanomaterials Applications, 19 - 22 January 2014
- XIX. **Preperation and Characterization of EGF loaded PLGA Nanofibrous Membranes**
YÜKSEL E., GÖZ E., KARAKEÇİLİ A.
1st International Symposium on Nanoparticles/Nanomaterials Applications, 19 - 22 January 2014
- XX. **Production and Characterization of EGF loaded PLGA Nanofibrous Membranes**
YÜKSEL E., KARAKEÇİLİ A., GÖZ E.
. 9 th Nanoscience and Nanotechnology Conference (NANOTR-9), Turkey, 24 - 28 June 2013
- XXI. **Poli(3-hidroksibütirik asit-ko-3-hidroksivalerik asit) (PHBV) Nanokürelerin Hazırlanması ve Karakterizasyonu.**
GÖZ E., KARAKEÇİLİ A.
10. Ulusal Kimya Mühendisliği Kongresi (UKMK-10), Turkey, 3 - 06 September 2012
- XXII. **Toplam Organik Karbon Derişiminin En Küçük Kareler Destek Vektör Makineleri ile Modellenmesi**
YÜCEER A. M., KARADURMUŞ E., COŞKUN M. A., GÖZ E., ATASOY İ., ÇALIMLI A., BERBER R.
10. Ulusal Kimya Mühendisliği Kongresi (UKMK-10), Turkey, 3 - 06 September 2012
- XXIII. **. Online Monitoring and Total Organic Carbon (TOC) Modeling of Yeşilırmak River.**
GÖZ E., YÜCEER A. M., KARADURMUŞ E., ATASOY İ., ÇALIMLI A., BERBER R.
20 th International Congress of Chemical and Process Engineering, 25 - 29 August 2012
- XXIV. **Support Vector Machine is a Good Tool to Predict Blood Glucose in Diabetes Studies**
GÖZ E., YÜCEER A. M., TURAN B., Çalimli A.
International Symposium NACD 2011: New Approaches in Cardiovascular Disorders From Genes&Molecules to Clinical Applications, 4 - 08 May 2011
- XXV. **Yeşilırmak Nehri İcin Toplam Organik Karbon Öngörü Modelleri**
YÜCEER A. M., ATASOY İ., GÖZ E., KARADURMUŞ E., YETİK M. K., ÇALIMLI A., BERBER R.
Ulusal Kimya Mühendisliği UKMK 9, Turkey, 22 - 25 June 2010
- XXVI. **Nehir Su Kalitesi için Trend Analizi**
ATASOY İ., YÜCEER A. M., GÖZ E., KARADURMUŞ E., YETİK M. K., ÇALIMLI A., BERBER R.
9. Ulusal Kimya Mühendisliği UKMK 9, Turkey, 22 - 25 June 2010
- XXVII. **Tip I Diyabetler için Kan Şekeri Kontrol Algoritmaları**
GÖZ E., YÜCEER A. M., ATASOY İ., BERBER R.
Ulusal Kimya Mühendisliği UKMK 9, Turkey, 22 - 25 June 2010
- XXVIII. **Nehir Su Kalitesi Veri Yönetimi: Hatalı Verilerin Ayıklanması**
ATASOY İ., YÜCEER A. M., GÖZ E., KARADURMUŞ E., YETİK M. K., ÇALIMLI A., BERBER R.
Ulusal Kimya Mühendisliği UKMK 9, Turkey, 22 - 25 June 2010
- XXIX. **Blood Glucose Control Algorithms for Type 1 Diabetes**

GÖZ E., YÜCEER A. M., atasoy i., berber r.

On-Line Monitoring System for Yeşilırmak River Water Quality”, EMCC-6, 7 - 12 March 2010

XXX. . **A central on-line river water quality monitoring system**

BERBER R., KARADURMUŞ E., YÜCEER A. M., ATASOY İ., GÖZ E., AKYÜREK E.

World Water Forum, 16 - 22 March 2009

XXXI. **A Central River Water Quality Monitoring System for Yeşilırmak, Regional Meeting on Mediterranean Basin**

BERBER R., KARADURMUŞ E., YÜCEER A. M., ATASOY İ., GÖZ E., AKYÜREK E., GIWA A.

Regional Meeting on Mediterranean Basin, 9 - 11 November 2008

Supported Projects

Göz E., TUBITAK Project, Makine Öğrenmesi Yöntemleriyle Atıksu Arıtım Tesisinin modellenmesi, 2022 - 2023

TUBITAK Project, Development of Infection Resistant and Bioactive Materials by Using Antimicrobial Peptides and Growth Factors, 2011 - 2015

Karakeçili A., GÖZ E., Project Supported by Higher Education Institutions, Büyüme Faktörlerini Sıralı Salan Kitosan Doku İskelelerinin Üretimi ve Periodontal Doku Mühendisliği Uygulamaları, 2011 - 2014

Göz E., EU Supported Other Project, A Teaching on Innovation Module for Engineering Programs Leonardo da Vinci Partnership Project, 2008 - 2010

TUBITAK Project, Merkezi Gerçek Zamanlı Nehir İzleme ve Kirlilik kontrol Sistemi, 2006 - 2009

Scientific Refereeing

JOURNAL OF WATER PROCESS ENGINEERING, SCI Journal, March 2022

Metrics

Publication: 44

Citation (WoS): 85

Citation (Scopus): 61

H-Index (WoS): 6

H-Index (Scopus): 6

Scholarships

2219-International Postdoctoral Research Fellowship Program for Turkish Citizens, TUBITAK, 2022 - 2023