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International Researcher IDs

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Education Information

- I. Post Doctorate, Institut Francilien des Sciences Appliquées, Environmental Chemistry, France 2022 - 2022
- II. Post Doctorate, Université Gustave Eiffel, Institut Francilien des Sciences Appliquées, Environmental Chemistry, France 2021 - 2022
- III. Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2010 - 2016
- IV. Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2007 - 2010
- V. Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2002 - 2007

Foreign Languages

- I. English, C1 Advanced

Dissertations

- I. Doctorate, Kağıt endüstrisi atıksularının elektrokimyasal yöntemle arıtılması, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2016
- II. Postgraduate, Su bazlı boya üretim tesislerinin atık sularının arıtılmasında genelleştirilmiş minimum değişmeli (GMV) algoritma ile pH kontrolü, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2010

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

- I. Research Assistant PhD, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2009 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heterogeneous electro-Fenton treatment of chemotherapeutic drug busulfan using magnetic nanocomposites as catalyst**
CAMCIOĞLU Ş., ÖZYURT B., Oturan N., Portehault D., Trellu C., Oturan M. A.

Chemosphere, vol.341, 2023 (SCI-Expanded)

- II. **Fast and Complete Destruction of the Anti-Cancer Drug Cytarabine from Water by Electrocatalytic Oxidation Using Electro-Fenton Process**
CAMCIOĞLU Ş., ÖZYURT B., Oturan N., Trellu C., Oturan M. A.
CATALYSTS, vol.12, no.12, 2022 (SCI-Expanded)
- III. **Treatment of sunflower oil industry wastewater by coagulation-flocculation and electro-Fenton methods**
ÖZYURT B., CAMCIOĞLU Ş., Karatokus T., Yuksek C., HAPOĞLU H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.275-290, 2021 (SCI-Expanded)
- IV. **Evaluation of electro-Fenton method on cheese whey treatment: optimization through response surface methodology**
Camcioglu Ş., Özyurt B., Sengul S., Hapoglu H.
DESALINATION AND WATER TREATMENT, vol.172, pp.270-280, 2019 (SCI-Expanded)
- V. **Boron removal from industrial wastewaters by means of optimized sequential chemical precipitation and coagulation processes**
ÖZYURT B., CAMCIOĞLU Ş., Firtin M., Ates C., HAPOĞLU H.
DESALINATION AND WATER TREATMENT, vol.172, pp.292-300, 2019 (SCI-Expanded)
- VI. **An efficient dark fermentative hydrogen production by GMV control of pH**
ÖZYURT B., SOYSAL F., YILMAZER HİTİT Z., CAMCIOĞLU Ş., AKAY B., ERTUNÇ S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.36, pp.19709-19718, 2019 (SCI-Expanded)
- VII. **Real-time experimental generalized minimum variance control of operating parameters in an electrocoagulation process**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
DESALINATION AND WATER TREATMENT, vol.139, pp.305-318, 2019 (SCI-Expanded)
- VIII. **Determination of suitable operating conditions for biohydrogen production from potato production medium by dark fermentation and kinetic analysis**
ÖZYURT B., YILMAZER HİTİT Z., SOYSAL F., CAMCIOĞLU Ş., AKAY B., ERTUNÇ S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.4, pp.1475-1491, 2018 (SCI-Expanded)
- IX. **Enclosed coastal waters quality monitoring with bacterial indicator phase-plane analysis**
HAPOĞLU H., CAMCIOĞLU Ş., ÖZYURT B., YILDIRIM P., Yilmaz N., BALAS L.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.4, pp.1419-1431, 2018 (SCI-Expanded)
- X. **Application of response surface methodology as a new PID tuning method in an electrocoagulation process control case**
Camcioglu Ş., ÖZYURT B., Dogan I. C., Hapoglu H.
WATER SCIENCE AND TECHNOLOGY, vol.76, no.12, pp.3410-3427, 2017 (SCI-Expanded)
- XI. **Effect of process control on optimization of pulp and paper mill wastewater treatment by electrocoagulation**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.111, pp.300-319, 2017 (SCI-Expanded)
- XII. **MIMO control application for pulp and paper mill wastewater treatment by electrocoagulation**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
DESALINATION AND WATER TREATMENT, vol.93, pp.200-213, 2017 (SCI-Expanded)
- XIII. **A consecutive electrocoagulation and electro-oxidation treatment for pulp and paper mill wastewater**
ÖZYURT B., CAMCIOĞLU Ş., HAPOĞLU H.
DESALINATION AND WATER TREATMENT, vol.93, pp.214-228, 2017 (SCI-Expanded)
- XIV. **Experimental application of one step ahead advanced pH control to water-based paint wastewater treatment**

Articles Published in Other Journals

- I. **Optimization and PID Control of pH and Temperature in an Electrocoagulation Process**
CAMCIOĞLU Ş., ÖZYURT B.
Journal of the Turkish Chemical Society Section B: Chemical Engineering, vol.71, no.1, pp.13-24, 2024 (Peer-Reviewed Journal)
- II. **Discrete-time dynamic water quality index model in coastal water**
Hapoglu H., Camcioglu Ş., Ozyurt B., Yildirim P., Balas L.
GLOBAL JOURNAL OF ENVIRONMENTAL SCIENCE AND MANAGEMENT-GJESM, vol.7, no.2, pp.197-210, 2021 (ESCI)
- III. **ELEKTROKOAGÜLASYON YÖNTEMİYLE KAĞIT ATIK SUYU ARITIMINDA pH KONTROLÜ**
Camcioğlu Ş., Özyurt B., Hapoğlu H.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.16, no.2, pp.107, 2015 (Peer-Reviewed Journal)
- IV. **Experimental design of wastewater treatment with electro-coagulation**
CAMCIOĞLU Ş., Pekel L. C., POLAT K., HAPOĞLU H.
Management of Environmental Quality: An International Journal, vol.25, no.1, pp.86-95, 2014 (Scopus)
- V. **Aluminium electrode dissolution in electrocoagulation process**
Giwa S., Pekel C., CAMCIOĞLU Ş., ERTUNÇ S., Alpbaz M., HAPOĞLU H.
International Journal of Advanced Scientific and Technical Research, vol.4, no.3, pp.127-136, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Applications of Combined Electrocoagulation and Electrooxidation Treatment to Industrial Wastewaters**
ÖZYURT B., CAMCIOĞLU Ş.
in: Wastewater and water quality, Yonar, Taner, Editor, Intechopen, Londrina, pp.71-88, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **AKTİF KARBON DESTEKLİ Fe₃O₄ KATALİZÖRÜN KULLANILDIĞI HETEROJEN ELEKTRO-FENTON PROSESİ İLE AMOKSİSİLİN MİNERALİZASYONU**
ÖZYURT B., CAMCIOĞLU Ş.
6. ULUSLARARASI MARMARA BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, İstanbul, Turkey, 7 - 08 October 2023
- II. **Effect of the cathode material on the efficiency of the electro-Fenton process for the electrocatalytic destruction of azo dye methyl orange**
CAMCIOĞLU Ş.
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), 11 October 2023
- III. **Sentetik boyar maddelerin elektrokimyasal ileri oksidasyon prosesleri ile arıtımı**
CAMCIOĞLU Ş.

15.Ulusal Kimya Mühendisliği Kongresi, Turkey, 04 September 2023

- IV. **CATALYTIC ACTIVITY OF HETEROGENEOUS ELECTRO-FENTON PROCESSES: A COMPARATIVE STUDY FOR DEGRADATION OF CYTARABINE**
Camcioğlu Ş., Özyurt B., Oturan N., Portehault D., Trelu C., Oturan M. A.
31st International Materials Research Congress 2023, Cancun, Mexico, 13 - 18 August 2023, pp.3
- V. **APPLICATION OF rGO-Fe₃O₄-TiO₂ NANOCOMPOSITE AS A HETEROGENEOUS CATALYST FOR THE DEGRADATION AND MINERALIZATION OF HERBICIDE DALAPON BY PHOTOELECTRO-FENTON PROCESS**
Özyurt B., Camcioğlu Ş., Oturan N., Portehault D., Trelu C., Oturan M. A.
31st International Materials Research Congress 2023, Cancun, Mexico, 13 - 18 August 2023, pp.44
- VI. **DEGRADATION AND MINERALIZATION OF CYCLOHEXIMIDE IN AQUEOUS SOLUTION BY ADVANCED OXIDATION PROCESSES: A COMPARATIVE STUDY**
Oturan N., Özyurt B., Camcioğlu Ş., Trelu C., Oturan M. A.
31st International Materials Research Congress 2023, Cancun, Mexico, 13 - 18 August 2023, pp.28-29
- VII. **Simultaneous reduced graphene oxide production and chemical oxygen demand removal from domestic wastewater**
SOYSAL F., ÇIPLAK Z., ÖZYURT B., CAMCIOĞLU Ş., HAPOĞLU H., YILDIZ N.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Turkey, 19 - 20 March 2020
- VIII. **Process parameters optimization of graphite-graphite electro-Fenton system for the treatment of sunflower oil refining industry**
ÖZYURT B., CAMCIOĞLU Ş., FIRTIN M., HAPOĞLU H.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018
- IX. **Evaluation of electro-Fenton method on cheese whey treatment: Optimization through Response Surface Methodology**
ÖZYURT B., CAMCIOĞLU Ş., FIRTIN M., HAPOĞLU H.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018
- X. **Boron removal from industrial wastewaters by means of optimized sequential chemical precipitation and coagulation processes**
ÖZYURT B., CAMCIOĞLU Ş., FIRTIN M., HAPOĞLU H.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018
- XI. **Optimization of combined electrocoagulation/electrooxidation process for treatment of sunflower oil industry wastewater**
ÖZYURT B., CAMCIOĞLU Ş., FIRTIN M., HAPOĞLU H.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018
- XII. **Experimental Treatment of Sunflower Oil Refinery Wastewater by Means of Electrochemical Methods**
CAMCIOĞLU Ş., ÖZYURT B., FIRTIN M., HAPOĞLU H.
International Congress on Chemistry and Material Sciences, Ankara, Turkey, 5 - 07 October 2017
- XIII. **Effect of Initial pH on Boron Removal from Industrial Wastewater by Means of Consecutive Chemical and Electrochemical Coagulation**
ÖZYURT B., ATEŞ Ç., CAMCIOĞLU Ş., HAPOĞLU H.
International Congress on Chemistry and Material Sciences, Ankara, Turkey, 5 - 07 October 2017
- XIV. **Reaction Kinetics of Electrochemical Sunflower Oil Refinery Wastewater Treatment**
ÖZYURT B., CAMCIOĞLU Ş., FIRTIN M., HAPOĞLU H.
International Congress on Chemistry and Material Sciences, Ankara, Turkey, 5 - 07 October 2017
- XV. **Chemometric Evaluation of Effective Process Parameters on Electrocoagulation Treatment of Pulp and Paper Mill Wastewater**
CAMCIOĞLU Ş., ÖZYURT B., FIRTIN M., HAPOĞLU H.
International Congress on Chemistry and Material Sciences, Ankara, Turkey, 5 - 07 October 2017
- XVI. **NARX model based nonlinear dynamic system identification of an electrocoagulation process using artificial neural networks**

- ÖZYURT B., CAMCIOĞLU Ş., HAPOĞLU H.
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016
- XVII. **A consecutive electrocoagulation and electro oxidation treatment for pulp and paper mill wastewater**
ÖZYURT B., CAMCIOĞLU Ş., HAPOĞLU H.
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016
- XVIII. **MIMO control application for pulp and paper mill wastewater treatment by electrocoagulation**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016
- XIX. **Application of response surface methodology as a new PID tuning method in an electrocoagulation process control case**
CAMCIOĞLU Ş., Doğan İ. C., ÖZYURT B., HAPOĞLU H.
3rd International Conference on Recycling and Reuse, 28-30 September 2016, İstanbul Turkey, İstanbul, Turkey, 28 - 30 September 2016
- XX. **Elektrokoagülasyon Yöntemiyle Kağıt Atık Suyu Arıtımında pH Kontrolü**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014
- XXI. **Effect of MIMO pH and temperature control in pulp and paper mill wastewater treatment with electrocoagulation process**
CAMCIOĞLU Ş., ÖZYURT B., HAPOĞLU H.
2nd International Conference on Recycling and Reuse, 4 - 06 June 2014
- XXII. **Electrocoagulation treatment of textile wastewater**
Pekel L. C., Camcioğlu Ş., Polat K., Hapoğlu H., Alpbaz M.
İstanbul International Solid Waste, Water and Wastewater Congress, İstanbul, Turkey, 22 - 24 May 2013, pp.313
- XXIII. **Aluminium electrode dissolution in electrocoagulation process**
Giwa S. O., Pekel L. C., Camcioğlu Ş., Ertunç S., Alpbaz M., Hapoğlu H.
İstanbul International Solid Waste, Water and Wastewater Congress, İstanbul, Turkey, 22 - 24 May 2013, pp.273-274
- XXIV. **Application of statistical experimental design methodology to pulp and paper mill wastewaters treatment process**
Camcioğlu Ş., Pekel L. C., Polat K., Hapoğlu H.
International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.248
- XXV. **Investigation of current density NaCl concentration and electrolysis time effects for the treatment of pulp and paper wastewater with electrocoagulation**
CAMCIOĞLU Ş., POLAT K., ZEYBEK Z., TOĞRUL H., HAPOĞLU H.
Proceedings on the 7th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries-EMCC7 April 27-May 1 2012, Corfu Greece, KORFU, Greece, 27 April - 01 May 2012
- XXVI. **Turbidity removal from petrochemical wastewater by electrocoagulation**
Olanipekun S., CAMCIOĞLU Ş., ERTUNÇ S., HAPOĞLU H., ALDEMİR A.
7th Chemical Engineering conference for Collaborative Research in Eastern Mediterranean Countries (EMCC7), Corfu, Greece, 27 April - 01 May 2012, pp.69
- XXVII. **The dynamic analysis of wastewater treatment with electrocoagulation method in pulp and paper making industry**
CAMCIOĞLU Ş., NİLÜFER V., POLAT K., MUSTAFA A., HAPOĞLU H.
9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 - 29 September 2011
- XXVIII. **Generalized Minimum Variance (GMV) Control in Waterborne Wastewater Treatment**
CAMCIOĞLU Ş., ZEYBEK Z., HAPOĞLU H., Alpbaz M., Akpınar A.
13th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, Prague, Czech Republic, 28 August - 01 September 2010, vol.21, pp.823-828

Scientific Refereeing

- I. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, SCI Journal, September 2023
- II. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, SCI Journal, July 2023
- III. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, SCI Journal, June 2023
- IV. ENVIRONMENTAL GEOCHEMISTRY AND HEALTH OFFICIAL JOURNAL OF THE SOCIETY FOR ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, SCI Journal, January 2023
- V. CLEAN - SOIL, AIR, WATER, SCI Journal, August 2022
- VI. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, SCI Journal, November 2020
- VII. WATER SUPPLY, SCI Journal, August 2020
- VIII. WATER SUPPLY, SCI Journal, February 2020
- IX. COMPUTERS AND ELECTRONICS IN AGRICULTURE AN INTERNATIONAL JOURNAL, SCI Journal, February 2020
- X. WATER SUPPLY, SCI Journal, September 2019
- XI. Journal of Environmental Health Science and Engineering, SCI Journal, March 2019
- XII. CHEMICAL ENGINEERING JOURNAL, SCI Journal, June 2018
- XIII. INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, SCI Journal, September 2017
- XIV. CLEAN - SOIL, AIR, WATER, SCI Journal, December 2015

Metrics

Publication: 48
Citation (WoS): 103
Citation (Scopus): 98
H-Index (WoS): 6
H-Index (Scopus): 6

Congress and Symposium Activities

- I. 6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Attendee, Ankara, Turkey, 2023
- II. 6. ULUSLARARASI MARMARA BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, Attendee, İstanbul, Turkey, 2023
- III. 15.Ulusal Kimya Mühendisliği Kongresi, Attendee, Çanakkale, Turkey, 2023
- IV. 31st International Materials Research Congress 2023, Invited Speaker, Cancun, Mexico, 2023
- V. 31st International Materials Research Congress 2023, Attendee, Cancun, Mexico, 2023
- VI. 31st International Materials Research Congress 2023, Attendee, Cancun, Mexico, 2023

Scholarships

- I. Sejour Scientifique de Haut Niveau, Official Institutions of Foreign Countries, 2022 - 2022
- II. 2219 YURT DIŞI DOKTORA SONRASI ARAŞTIRMA BURS PROGRAMI , TUBITAK, 2021 - 2022