

Asst. Prof. ECEM MÜGE ANDOĞLU ÇOSKUN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Chemical Engineering, Turkey 2015 - 2022

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Chemical Engineering, Turkey 2012 - 2015

Undergraduate, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Chemical and Process Engineering, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Claus prosesi reaksiyon firını ve atık ısı kazanının modellenmesi ve optimizasyonu, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, Determination of a low-cost agent for sulfate removal in anodic oxidation process, İstanbul Technical University, Fen Bilimleri Enstitüsü, 2015

Research Areas

Chemical Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Bilecik Seyh Edebali University, Meslek Yüksekokulu, Gıda İşleme, 2023 - Continues

Research Assistant, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Kimya Mühendisliği, 2013 - 2022

Courses

Unit Operations in Food Processing, Associate Degree, 2023 - 2024

Environmental Management Systems, Associate Degree, 2023 - 2024

Instrumental Analysis and Applications Foods, Associate Degree, 2023 - 2024

Instrumental Analysis in Foods, Associate Degree, 2023 - 2024

Unit Operations in Food Processing, Associate Degree, 2023 - 2024

Mathematical Modeling, Undergraduate, 2022 - 2023

Advanced Chemical Engineering Thermodynamics, Doctorate, 2022 - 2023

Chemical Engineering Laboratory II, Undergraduate, 2020 - 2021

Articles Published in Other Journals

- I. **A machine-learning reduced kinetic model for H₂S thermal conversion process**
Dell'Angelo A., ANDOĞLU E. M., Kaytakoglu S., Manenti F.
Chemical Product and Process Modeling, vol.18, no.1, pp.117-133, 2023 (ESCI)
- II. **Mitigating carbon dioxide impact of fossil/bio-refineries by acid gas to syngas technology: Sensitivity analysis and techno-economic assessment**
Dell'angelo A., Andoglu E. M., Bozzano G., Kaytakoglu S., Manenti F.
Journal of Sustainable Development of Energy, Water and Environment Systems, vol.9, no.3, 2021 (ESCI)
- III. **Methanol production from biomass gasification: Techno-economic assessment of different feedstocks**
Amaral A. F., Previtali D., Dell'Angelo A., Bisotti F., Pretoro A. D., Andoglu E. M., Colombo S., Manenti F.
Chemical Engineering Transactions, vol.74, pp.1237-1242, 2019 (Scopus)
- IV. **Smart implementation of bender equation of state**
Bisotti F., di Pretoro A., Dell'Angelo A., Previtali D., Amaral A. F., ANDOĞLU E. M., Manenti F.
Chemical Engineering Transactions, vol.74, pp.715-720, 2019 (Scopus)
- V. **Reduced and detailed kinetic models comparison for thermal furnace of sulfur recovery units**
Andoglu E. M., Dell'Angelo A., Ranzi E., Kaytakoglu S., Manenti F.
Chemical Engineering Transactions, vol.74, pp.649-654, 2019 (Scopus)
- VI. **Chemical Composition of Turkish Okra Seeds Hibiscusesculenta L and The Total Phenolic Contents of Okra Seeds Flour**
AÇIKGÖZ Ç., AKPINAR BORAZAN A., GÖKDAİ D., ANDOĞLU E. M.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.17, no.5, pp.766-774, 2016 (Peer-Reviewed Journal)
- VII. **A case study of effective factors on the right industrial lubricating oil choosing**
AKPINAR BORAZAN A., AÇIKGÖZ Ç., ANDOĞLU E. M.
JOURNAL OF ENGINEERING RESEARCH AND APPLIED SCIENCE, vol.2, no.2, pp.161-166, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kinetic parameter estimation of Claus reaction**
ANDOĞLU E. M., KAYTAKOĞLU S.
2018 Optimization Days, Montreal, Canada, 7 - 09 May 2018
- II. **A review on the optimization studies of sulfur recovery unit**
ANDOĞLU E. M., KAYTAKOĞLU S.
2018 Optimization Days, Montreal, Canada, 7 - 09 May 2018
- III. **An investigation into Changes in Lubricant Oil Properties after a Long-Term Usage**
ANDOĞLU E. M., AKPINAR BORAZAN A.
ISAS 2018 Antalya/Turkey, Turkey, 11 - 13 April 2018
- IV. **Glazing Recipe Selection with AHP for Ceramic Floor Tiles**
AKPINAR BORAZAN A., AÇIKGÖZ Ç., GÖKDAİ D., ANDOĞLU E. M.

- 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), 4 - 08 October 2017
- V. **The effect of storage on secondary metabolites of selected IQF fruits**
ANDOĞLU E. M., AKPINAR BORAZAN A.
3rd International Conference on Science, Ecology and Technology (ICONSETE 2017), Roma, 14 - 16 August 2017
- VI. **Sulfate Ions Removal from Anodizing Wastewater**
ANDOĞLU E. M., ELNEKAVE M.
1st International Black Sea Congress on Environmental Sciences (IBCESS-2016), Giresun, Turkey, 31 August - 03 September 2016
- VII. **EFFECT OF MARBLE HOP WASTE RATIOS ON MECHANICAL PROPERTIES OF POLYESTER MATRIX COMPOSITES**
ANDOĞLU E. M., AKPINAR BORAZAN A., AÇIKBAŞ G.
Proceedings of the 14th International Conference on Environmental Science and Technology (CEST2015), 3 - 05 September 2015
- VIII. **Operating cost optimization in industrial wastewater treatment a case study for aluminum plant**
ANDOĞLU E. M., ELNEKAVE M.
14th Conference on Environmental Science and Technology (CEST 2015), Rhodes, Greece, 3 - 05 September 2015
- IX. **Micelle Behaviors of Anionic Surfactant Linear Alkyl Benzene Sulphonic Acid LABSA and Nonionic Surfactant Tergitol NP 10 in Aqueous Solution on Carbon Black**
BALBAY Ş., ANDOĞLU E. M.
The 6th International Congress of Energy and Environment Engineering and Management (CIIEM15), 22 - 24 July 2015
- X. **Şerbetçiotu Humulus lupulus L ve Atığının Değerlendirmelerinde Alternatif Uygulamalar**
AKPINAR BORAZAN A., ANDOĞLU E. M., AÇIKGÖZ Ç.
EKOLOJİ 2015 SEMPOZYUMU, Turkey, 6 - 09 May 2015
- XI. **The Influence Factors on Decision Making to Choose the Right Industrial Lubricating Oil a Research in Bilecik Industry**
AKPINAR BORAZAN A., ANDOĞLU E. M.
Eurasia Waste Management Symposium (EURASIA 2014), 28 - 30 April 2014
- XII. **Commercial Apple Juices with a Controlled Phenolic Content and Antioxidant Capacity**
ANDOĞLU E. M., AKPINAR BORAZAN A.
Food Integrity Traceability Conference 2014 (ASSET2014), 6 April - 11 June 2014
- XIII. **Ekstraksiyon Koşullarının Şerbetçiotu Humulus Lupus L Peletlerinden Elde Edilen Yağ Verimi Üzerine Etkileri**
AKPINAR BORAZAN A., ANDOĞLU E. M.
Türkiye 11. gıda Kongresi, Turkey, 10 - 12 October 2012
- XIV. **Ekstraksiyon Koşullarının Şerbetçiotu Humulus lupulus L Peletlerinden Elde Edilen Yağ Verimi Üzerine Etkileri**
AKPINAR BORAZAN A., ANDOĞLU E. M.
11. gıda Kongresi, Hatay, Turkey, 10 - 12 October 2012
- XV. **Phenolic Content and Their Antiradical Activity of The Hops (*Humulus lupulus L.*) Varieties Cultivated in Turkey**
AKPINAR BORAZAN A., ANDOĞLU E. M.
15th European Congress On Biotechnology (Ecb15), 23 - 26 September 2012, vol.29, pp.121-122
- XVI. **Türkiye de Yetiştirilen Bazı Şerbetçiotu Humulus lupulus L Türlerde Fenolik Madde İçeriği ve Antioksidan Aktivitesi**
AKPINAR BORAZAN A., ANDOĞLU E. M.
17.Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 23 - 26 September 2012
- XVII. **Şerbetçiotu Humulus lupulus L Yağının Çözücü Ekstraksiyonu**
AKPINAR BORAZAN A., ANDOĞLU E. M.
10.Uluslararası Kimya Mühendisliği Kongresi (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012

Scientific Refereeing

APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, January 2023

Scholarships

Modeling and Optimization of Thermal Stage of Sulfur Recovery Unit, TUBITAK, 2018 - 2019