

Prof. Saliha ERENTÜRK

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri, Turkey 1997 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kuşburnu Meyvesinin Kurutulmasında Bazı Parametrelerin Kurumaya ve C Vitamini Miktarına Etkisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2002

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Mechanical Physical Operations, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2018 - Continues

Courses

Kurutma Teknikleri ve Teknolojileri, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020

Danışmanlık, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Gıda İşleme Mühendisliği, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018

Kimya Mühendisliği Laboratuvarı-III, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017

Uzmanlık Alan Dersi (Yabancı Uyruklu), Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Taşıma Olayları-I, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Kurutma ve Nemlendirme Prosesleri, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Bitirme Ödevi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Advising Theses

- Erentürk S., Bolkar Cevherlerinden Altın ve Gümüş Kazanımı için Siyanüre alternatif Farklı Bir Kimyasal Çözücü Araştırılması, Postgraduate, Ö.YALÇIN(Student), 2021
- Erentürk S., SANAYİ ÖLÇEKLİ HPL ile CO, Cu, Zn ÜRETİMİ PROSESİNİN MATEMATİKSEL MODELLENMESİ VE PROSES KONTROL YÖNTEMLERİNİN GELİŞTİRİLMESİ, Postgraduate, R.İBRAHİMOV(Student), 2021
- Erentürk S., Sulu ortamdan astrazon yellow 5gl boyar maddesinin fenton ve UV/H2O2 prosesleri ile gideriminin Taguchi metodu kullanılarak optimizasyonu, Postgraduate, N.ERAT(Student), 2018
- Erentürk S., Akut zehirlenmelerin etkisinin azaltılmasında farklı adsorbentlerin etkinliğinin incelenmesi, Doctorate, B.KÖSE(Student), 2015
- Erentürk S., Sulu çözeltilerden Cu(II) ve Pb(II) iyonlarının limon kabuğu ve kömürleşmiş limon kabuğuyla adsorpsiyonu, Postgraduate, H.ŞAHİN(Student), 2010
- Erentürk S., Konvektif ve UV-konvektif kurutucularda ökseotu (*Viscum album L.*) bitkisinin kuruma davranışı, Postgraduate, B.KÖSE(Student), 2008

Jury Memberships

- Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, November, 2021
- Associate Professor Exam, Associate Professor Exam, Ataturk University, October, 2021
- Associate Professor Exam, Associate Professor Exam, Ataturk University, May, 2021
- Appointment to Academic Staff-Professorship, Appointment Academic Staff, Atatürk Üniversitesi, April, 2021
- Associate Professor Exam, Associate Professor Exam, Ataturk University, April, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced fractional-order PI λ D μ control for a forced circulation evaporator system via advanced disturbance observer**
Erentürk K., Erentürk S.
ISA Transactions, vol.131, pp.167-177, 2022 (SCI-Expanded)
- II. **Fractional order calculus approach for drying modeling of eggplants**
Erentürk K., Kose B., Erentürk S.
FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL, vol.26, pp.379-387, 2020 (SCI-Expanded)
- III. **Effectiveness of activated mistalea (*Viscum album L.*) as a heterogeneous catalyst for biodiesel partial hydrogenation**
Erentürk S., Korkut Ö.
RENEWABLE ENERGY, vol.117, pp.374-379, 2018 (SCI-Expanded)
- IV. **Comparisons of novel modeling techniques to analyze thermal performance of unglazed transpired solar collectors**
ERENTÜRK S., ERENTÜRK K.
MEASUREMENT, vol.116, pp.412-421, 2018 (SCI-Expanded)
- V. **Removal of Pb(II) from water by carbonized walnut shell: characterization of adsorbent, adsorption capacity, kinetic, thermodynamic and isotherm studies**
Kose B., ERENTÜRK S.
DESALINATION AND WATER TREATMENT, vol.60, pp.301-309, 2017 (SCI-Expanded)
- VI. **Improving oxidation stability of sunflower biodiesel by partial hydrogenation using a special catalyst**
Korkut Ö., Erentuerk S.
BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR, vol.9, no.3, pp.326-334, 2015 (SCI-Expanded)

- VII. **Drying characteristics of mistletoe (*Viscum album* L.) in convective and UV combined convective type dryers**
Kose B., ERENTÜRK S.
INDUSTRIAL CROPS AND PRODUCTS, vol.32, no.3, pp.394-399, 2010 (SCI-Expanded)
- VIII. **Experimental determination of effective moisture diffusivities of whole- and cut-rosehips in convective drying**
ERENTÜRK S., GÜLABOĞLU M., Gultekin S.
FOOD AND BIOPRODUCTS PROCESSING, vol.88, pp.99-104, 2010 (SCI-Expanded)
- IX. **Removal of lead(II) by adsorption onto *Viscum album* L.: Effect of temperature and equilibrium isotherm analyses**
Erenturk S., Malkoc E.
APPLIED SURFACE SCIENCE, vol.253, no.10, pp.4727-4733, 2007 (SCI-Expanded)
- X. **Comparison of genetic algorithm and neural network approaches for the drying process of carrot**
Erenturk S., Erenturk K.
JOURNAL OF FOOD ENGINEERING, vol.78, no.3, pp.905-912, 2007 (SCI-Expanded)
- XI. **The effects of cutting and drying medium on the vitamin C content of rosehip during drying**
Erenturk S., Gulaboglu M. Ş., GÜLTEKİN S.
JOURNAL OF FOOD ENGINEERING, vol.68, no.4, pp.513-518, 2005 (SCI-Expanded)
- XII. **A comparative study for the estimation of dynamical drying behavior of *Echinacea angustifolia*: regression analysis and neural network**
Erenturk K., Erenturk S., TABIL L. G.
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.45, pp.71-90, 2004 (SCI-Expanded)
- XIII. **The thin-layer drying characteristics of rosehip**
Erenturk S., Gulaboglu M. Ş., GÜLTEKİN S.
BIOSYSTEMS ENGINEERING, vol.89, no.2, pp.159-166, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **ÖKSEOTU(VISCUM ALBUM L.) BİTKİSİNDEN AKTİF KÖMÜR ELDESİ, KARAKTERİZASYONU ve SULU ÇÖZELTİDEN KURŞUN GİDERİMİNDE KULLANILABİLİRLİĞİNİN İNCELENMESİ**
Erentürk S., Köse B., Erentürk K.
Journal of scientific reports-A (Online), no.006, pp.24-35, 2022 (Peer-Reviewed Journal)
- II. **Design and Application of Grey Predictor for Unglazed Transpired Solar Collector**
ERENTÜRK S., ERENTÜRK K.
International Journal of Engineering and Applied Sciences, 2018 (Peer-Reviewed Journal)
- III. **Investigation of the Ni(II) Adsorption, in Respect to Kinetics and Thermodynamics, by Carbonized Walnut Shell from Aqueous Solution**
KÖSE B., ERENTÜRK S.
International Journal of Engineering and Applied Sciences, vol.4, pp.55-57, 2017 (Peer-Reviewed Journal)
- IV. **Investigation of the Ni(II) Adsorption, in Respect to Kinetics and Thermodynamics, by Carbonized Walnut Shell from Aqueous Solution**
BİRCAN K., ERENTÜRK S.
International Journal of Engineering and Applied Sciences, vol.4, pp.55-57, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ökseotu(*Viscum album* L.) Bitkisinden Aktif Kömür Eldesi, Karakterizasyonu ve Sulu Çözeltilerden Kurşun Gideriminde Kullanılabilirliğinin İncelenmesi**
Erentürk S., Köse B., Erentürk K.

2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.1203-1212

- II. **Konvektif Kurutucuda Kurutulan Muzun Kuruma Davranışının Modellenmesi için Kesir Dereceli Modelleme Tekniği Uygulaması**
Erentürk K., Erentürk S.
1st ICEANS2022, Konya, Turkey, 10 - 13 May 2022, pp.2118-2122
- III. **MATHEMATICAL MODELING OF THE MICROWAVE DRYING OF EGGPLANT (SOLANOM MELONGENA)**
Erentürk S., Köse B., Erentürk K.
Uluslararası Antalya Bilimsel Araştırmalar ve Yenilikçi Çalışmalar Kongresi, Antalya, Turkey, 18 - 21 December 2021, pp.267-271
- IV. **A RESEARCH ABOUT THE CONTENT AND USAGE AREAS OF THE MEDLAR PLANT (MESPIBUS GERMANICA L.)**
Erentürk S., Erentürk K.
International Antalya Scientific Research and Innovative Studies Congress , Antalya, Turkey, 18 - 21 December 2021, pp.272-279
- V. **MİKRO SEBEKE UYGULAMALARI İÇİN SİNERJİK DENETLEYİCİ TASARIMI**
Erentürk K., Erentürk S.
8.Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, İstanbul, Turkey, 6 - 07 December 2021, pp.213-217
- VI. **GÜNEŞ PANELİ BULUNAN MİKRO ŞEBEKE ENERJİ DEPOLAMA SİSTEMLERİNİN TERMİNAL SİNERJİK DENETLEYİCİ İLE KONTROLÜ**
Erentürk K., Erentürk S.
8.ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 6 - 07 December 2021, pp.109-115
- VII. **SULU ORTAMDAN ASTRAZON YELLOW 5GL BOYAR MADDESİNİNUV/H2O2 PROSESİ İLE GİDERİMİNİN TAGUCHİ METODUKULLANILARAK OPTİMİZASYONU**
Erat N., ERENTÜRK S.
HOCA AHMET YESEVİ2. ULUSLARARASI BİLİMSELARAŞTIRMALAR KONGRESİ, 6 - 08 December 2019
- VIII. **TAGUCHİ OPTİMİZASYON METODU KULLANILARAK SULUORTAMDAN ASTRAZON YELLOW 5GL BOYAR MADDESİNİN FENTON PROSESİ İLE GİDERİMİ**
Erat N., ERENTÜRK S.
HOCA AHMET YESEVİ2. ULUSLARARASI BİLİMSELARAŞTIRMALAR KONGRESİ, 6 December - 08 October 2019
- IX. **THE EFFECTS OF TEMPERATURE AND DYECONCENTRATION ON THE REMOVAL OF ASTRAZON YELLOW 5GL DYE BY USING FENTON PROCESS**
Erat N., ERENTÜRK S.
MAS EUROPEAN INTERNATIONAL CONGRESS ON MATHEMATICS-ENGINEERING-NATURAL MEDICAL SCIENCES-VIII, 11 - 13 October 2019
- X. **THE EFFECTS OF SOME PARAMETERS ON REMOVAL OFASTRAZON YELLOW 5GL DYE FROM AQUA MEADIA BY FENTON PROCESS**
Erat N., ERENTÜRK S.
MAS EUROPEAN INTERNATIONAL CONGRESS ON MATHEMATICS-ENGINEERING-NATURAL MEDICAL SCIENCES-VIII, 11 - 13 October 2019
- XI. **Controller Design for an Islanded Microgrid Energy System with ESS**
ERENTÜRK K., ERENTÜRK S.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, 19 - 21 October 2018
- XII. **Application of Artificial Intelligent Approaches in Drying Phenomena**
ERENTÜRK S., ERENTÜRK K.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, 19 - 21 October 2018
- XIII. **Determination of Effective Moisture Diffusivities of Sliced Bananas in Different Drying Systems**
ERENTÜRK S., ERENTÜRK K.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, 19 - 21 October 2018
- XIV. **Designing and Mathematical Modeling of Unglazed Transpired Solar Collector Experimental Setup**

- ERENTÜRK S., ERENTÜRK K.
2nd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017
- XV. **Deep Learning and Its Applications in Engineering Applications**
ERENTÜRK K., ERENTÜRK S.
2nd International Conference on Advanced Engineering Technologies (ICADET'xx17), Bayburt, Turkey, 21 - 23 September 2017
- XVI. **Konvektif ve mikrodalga kurutucularda muzun kuruma davranışının incelenmesi**
ERENTÜRK S.
IMSEC 2016, 26 - 28 October 2016
- XVII. **Preparation of an Adsorbent from Walnut Shell and Its Adsorption of Ni II In Aqueous Solution**
KÖSE B., ERENTÜRK S.
ICONSETE 2016, 14 - 16 October 2016
- XVIII. **Investigation of the Cu II Adsorption in Respect to Kinetics and Thermodynamics by Carbonized Walnut Shell from Aqueous Solution**
KÖSE B., ERENTÜRK S.
ICONSETE 2016, 14 - 16 October 2016
- XIX. **Modeling of drying process using fractional order calculus**
ERENTÜRK K., ERENTÜRK S.
1st International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 26 - 28 October 2016
- XX. **REMOVAL OF MANGANESE II IONS FROM AQUEOUS SOLUTIONS BY ADSORPTION ON CARBONIZED WALNUT SHELL**
KÖSE B., ERENTÜRK S.
1st IBCCESS, 31 August - 03 September 2016
- XXI. **PREPARATION OF ADSORBENTS FROM HAZELNUT SHELLS AND APRICOT SEED SHELLS AND THEIR ADSORPTION BEHAVIORS FOR THE REMOVAL OF Cu II**
KÖSE B., ERENTÜRK S.
1st IBCCESS, 31 August - 03 September 2016
- XXII. **Fractional Order Modeling and Control of Renewable Energy Systems**
ERENTÜRK K., ERENTÜRK S.
KINETIC 2016, 3 - 04 April 2016
- XXIII. **Fractional Order Modeling and Control of Renewable Energy Systems**
ERENTÜRK K., ERENTÜRK S.
3rd Kuwait Industrial Exhibition & Technical Conference (KINETIC- 2016), 3 - 04 April 2016
- XXIV. **Kinetic and thermodynamic studies of adsorption of Pb II from aqueous solution onto Carbonized Walnut Shell**
KÖSE B., ERENTÜRK S.
ICONSETE 2015, 25 - 28 August 2015
- XXV. **Adsorption capacity and isotherm study of Pb II by using Carbonized Walnut Shell**
KÖSE B., ERENTÜRK S.
ICONSETE 2015, 25 - 28 August 2015
- XXVI. **Upgrading Corn oil Biodiesel Oxidation Stability with Partial Hydrogenation Using A Special Catalyst**
KORKUT Ö., ERENTÜRK S.
Second International Conference on Environmental Science and Technology ICOEST, 14 May - 17 October 2014
- XXVII. **Kurşun Ve Bakır İyonlarının Sulu Çözeltilerden Kömürleşmiş Limon Kabuğu Kullanarak Adsorpsiyonu**
Şahin Özli H., Erentürk S.
1. Uluslararası Endüstriyel Su Teknolojileri Sempozyum ve Fuarı, 6 - 09 December 2012, pp.215-221
- XXVIII. **Sulu Çözeltide 1:1 Oranında Bulunan Kurşun Ve Bakırın Öğütülmüş Limon Kabuğu İle Adsorpsiyonu**
Şahin Özli H., Erentürk S.
1. Uluslararası Endüstriyel Su Teknolojileri Sempozyum ve Fuarı, Bursa, Turkey, 6 - 09 December 2012, pp.150-155

Supported Projects

ERENTÜRK S., Project Supported by Higher Education Institutions, AĞIZ YOLUYLA ALINAN METALİK ZEHİRLERİN ETKİSİNİN AZALTILMASINDA FARKLI ADSORBENTLERİN ETKİNLİĞİNİN İNCELENMESİ, 2013 - 2014

Activities in Scientific Journals

Themes in Applied Sciences Research , Committee Member, 2020 - Continues

American Journal of Chemical Engineering, Committee Member, 2020 - Continues

Metrics

Publication: 47

Citation (WoS): 512

Citation (Scopus): 596

H-Index (WoS): 9

H-Index (Scopus): 9

Scholarships

DAAD Almanya, Other International Organizations, 2003 - 2005

Tubitak Bayg Bilim adamı Yetiştirme Bursu, TUBITAK, 1991 - 1994

Awards

Erentürk S., Köse B., Fen Bilimleri Enstitüsü Tez Makalesi Danışmanlığı Enstitü III.lük Ödülü , Atatürk Üniversitesi, April 2011

Erentürk S., Köse B., Fen Bilimleri Enstitüsü Tez Makalesi Danışmanlığı Mühendislik Fakültesi. cilik, Atatürk Üniversitesi, April 2011

Representation and Promotion Activities

Institutional Representation, Nato, Turkey, İzmir, 2004 - 2004

Non Academic Experience

Atatürk Üniversitesi