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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-4671-2020

ScopusID: 16300705900

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Learning Knowledge

Doctorate 2007 - 2012	Yildiz Technical University, Kimya Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey
Postgraduate 2004 - 2007	Yildiz Technical University, Kimya Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey
Undergraduate 2000 - 2004	Yildiz Technical University, Kimya Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Susam küspesindeki proteinin enzimatik hidrolizinin, çözünürlüğünün, enzim inaktivasyon kinetiğinin ve fonksiyonel özelliklerinin incelenmesi , Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, 2012

Postgraduate, Peynir altı suyundan elde edilen laktozun enzimatik hidrolizinin incelenmesi ve modellenmesi , Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, 2007

Academic Titles / Tasks

Professor 2023 - Continues	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering
Associate Professor 2018 - 2023	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering

Assistant Professor
2017 - 2019

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,
Department Of Chemical Engineering

Assistant Professor
2013 - 2017

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,
Department Of Chemical Engineering

Research Assistant PhD
2012 - 2013

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,
Department Of Chemical Engineering

Research Assistant
2005 - 2012

Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering,
Department Of Chemical Engineering

Supported Projects

1. YILMAZ E., Tako S., Project Supported by Higher Education Institutions, MİKRODALGA EKSTRAKSİYON YÖNTEMİ İLE BERGAMOT BİTKİSİNDEN ESANSİYEL YAĞ ELDESİNİN İNCELENMESİ, 2022 - 2024
2. YILMAZ E., KILMEN G., Project Supported by Higher Education Institutions, Hibrit Nanokompozit Malzemeler ile Atık Sulardaki Boyar Maddelerin Giderilmesi, 2022 - 2024
3. YILMAZ E., Çelik N., Project Supported by Higher Education Institutions, Nano Silika Parçacıkların Kitosan ile Kaplanması ve Adsorban Olarak Kullanımının İncelenmesi, 2018 - 2019
4. YILMAZ E., PERK A., Project Supported by Higher Education Institutions, Adsorban Olarak Kullanılacak Nanoparçacık Sentezi, 2017 - 2019
5. YILMAZ E., YÜCEPUR G., Project Supported by Higher Education Institutions, Mikrodalga Ekstraksiyon Yöntemi ile Bitkilerden Esansiyel Yağ Eldesi, 2016 - 2018
6. YILMAZ E., Project Supported by Higher Education Institutions, Farklı Karakterdeki Adsorbanlar ile Sudaki Kirleticilerin Adsorpsiyonu, 2015 - 2018
7. YILMAZ E., Project Supported by Higher Education Institutions, Sulu Çözeltilerden Adsorpsiyon Yöntemi ile Fosfat Giderimi, 2015 - 2017
8. ÖZBEK B., YILMAZ E., Project Supported by Higher Education Institutions, -Amilaz, alkalaz ve -galaktozidaz enzimlerinin çeşitli adsorban yüzeylerine immobilizasyonunun optimizasyonu ve immobilize enzimlerin sıcaklık, pH ve zaman stabilitelerinin incelenmesi, 2012 - 2017
9. ÖZBEK B., YILMAZ E., Project Supported by Higher Education Institutions, Çeşitli Absorbentlere Protein Adsorpsiyonunun İncelenmesi, 2011 - 2015
10. KILIÇ D., YILMAZ E., Project Supported by Higher Education Institutions, Yapay Substratlarla Kefir Biyokütlesi Üretimi ve Kefir Fermantasyon Kinetiğinin İncelenmesi, 2011 - 2015
11. KILIÇ D., YILMAZ E., Project Supported by Higher Education Institutions, Mısır Gluteni Hidrolizatının Acı Tadının Giderilmesi, 2009 - 2013
12. ÖZBEK B., YILMAZ E., Project Supported by Higher Education Institutions, Susam Küspesindeki Proteinin Hidrolizi: Proses Parametrelerinin Optimizasyonu, Hidroliz, Çözünürlük, Enzim İnaktivasyon Kinetiği ve Fonksiyonel Özelliklerinin İncelenmesi, 2009 - 2012
13. ÖZBEK B., YILMAZ E., Project Supported by Higher Education Institutions, Gıdaların mikrodalga tekniği kullanılarak kurutulması, doku ve renk özelliklerinin incelenmesi ve modellenmesi, 2004 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Assessment of the quality parameters of microwave-dried Ficus carica Linn leaves**

- Yilmaz P., Demirhan E., ÖZBEK B.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.21, pp.27273-27292, 2024 (SCI-Expanded)
2. **Preparation and characterization of chitosan/zeolite composites for Reactive Orange 122 dye removal from aqueous media: isotherm and kinetic studies**
Şanlı G. T., Yilmaz E.
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
 3. **Response surface methodology for optimizing adsorption process parameters for tadalafil removal by raw eggshell**
Halici Z., Yilmaz E.
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
 4. **PMMA/SWCNT Composites with Very Low Electrical Percolation Threshold by Direct Incorporation and Masterbatch Dilution and Characterization of Electrical and Thermoelectrical Properties**
Uçar E., Dogu M., Demirhan E., Krause B.
Nanomaterials, vol.13, no.8, 2023 (SCI-Expanded)
 5. **Development of Ficus carica Linn leaves extract incorporated chitosan films for active food packaging materials and investigation of their properties**
Yilmaz P., Yilmaz E., Özbek B.
FOOD BIOSCIENCE, vol.46, 2022 (SCI-Expanded)
 6. **Microwave drying effect on drying characteristic and energy consumption of Ficus carica Linn leaves**
Yilmaz P., YILMAZ E., ÖZBEK B.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.44, no.10, 2021 (SCI-Expanded)
 7. **Response surface methodology approach for adsorptive removal of Reactive Blue 19 onto green pea pod**
Demirhan Yilmaz E.
WATER SCIENCE AND TECHNOLOGY, vol.81, no.6, pp.1137-1147, 2020 (SCI-Expanded)
 8. **KEFIR GRAIN BIOMASS PRODUCTION: INFLUENCE OF DIFFERENT CULTURING CONDITIONS AND EXAMINATION OF GROWTH KINETIC MODELS**
Apar D., Demirhan Yilmaz E., Özel B., Özbek B.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.40, 2017 (SCI-Expanded)
 9. **BSA adsorption onto commercial activated carbon modified by microwave assisted chemical activation**
Taşkın M. B., Özbek S., Yilmaz E., Özbek B.
Bulgarian Chemical Communications, vol.48, no.2, pp.261-268, 2016 (SCI-Expanded)
 10. **ASCORBIC ACID DEGRADATION KINETIC FOR MICROWAVE DRIED BASIL, PURSLANE AND CELERY LEAVES**
Demirhan E., Akpınar Z., Apar D. K., Özbek B.
LATIN AMERICAN APPLIED RESEARCH, vol.45, no.2, pp.113-118, 2015 (SCI-Expanded)
 11. **EFFECT OF PRETREATMENTS ON SESAME CAKE PROTEIN HYDROLYSIS BY ALCALASE**
Demirhan E., Apar D. K., Özbek B.
LATIN AMERICAN APPLIED RESEARCH, vol.45, pp.81-83, 2015 (SCI-Expanded)
 12. **Color Change Kinetics of Tea Leaves During Microwave Drying**
Demirhan E., ÖZBEK B.
INTERNATIONAL JOURNAL OF FOOD ENGINEERING, vol.11, no.2, 2015 (SCI-Expanded)
 13. **Modeling of the Water Uptake Process for Cowpea Seeds (Vigna Unguiculata L.) under Common Treatment and Microwave Treatment**
Demirhan E., ÖZBEK B.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.37, no.1, pp.1-10, 2015 (SCI-Expanded)
 14. **Influence of vitamin (B-1, B-6, B-9, B-12, C) and ions (Cu²⁺, Mn²⁺, PO₄ (3-)) on kefir grain biomass growth**
Demirhan E., GURSES B., YALCIN B. E., Apar D. K., ÖZBEK B.

- FOOD SCIENCE AND BIOTECHNOLOGY, vol.22, no.4, pp.1007-1013, 2013 (SCI-Expanded)
15. **INFLUENCE OF ENZYMATIC HYDROLYSIS ON THE FUNCTIONAL PROPERTIES OF SESAME CAKE PROTEIN**
Demirhan E., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.200, no.5, pp.655-666, 2013 (SCI-Expanded)
 16. **A Modelling study on skimmed milk lactose hydrolysis and beta-galactosidase stability using three reactor types**
AKGUL F. B., Demirhan E., ÖZBEK B.
INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.65, no.2, pp.217-231, 2012 (SCI-Expanded)
 17. **A modelling study on kefir grain biomass growth: Influence of various minerals**
Demirhan E., Apar D. K., Payer G., ÖZBEK B.
INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.64, no.3, pp.402-407, 2011 (SCI-Expanded)
 18. **A Kinetic Study on Sesame Cake Protein Hydrolysis by Alcalase**
Demirhan E., Apar D. K., ÖZBEK B.
JOURNAL OF FOOD SCIENCE, vol.76, no.1, 2011 (SCI-Expanded)
 19. **Sesame cake protein hydrolysis by alcalase: Effects of process parameters on hydrolysis, solubilisation, and enzyme inactivation**
Demirhan E., Apar D., ÖZBEK B.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.28, no.1, pp.195-202, 2011 (SCI-Expanded)
 20. **THIN-LAYER DRYING CHARACTERISTICS AND MODELING OF CELERY LEAVES UNDERGOING MICROWAVE TREATMENT**
Demirhan E., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.198, no.7, pp.957-975, 2011 (SCI-Expanded)
 21. **COLOR CHANGE KINETICS OF CELERY LEAVES UNDERGOING MICROWAVE HEATING**
Demirhan E., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.198, no.10, pp.1189-1205, 2011 (SCI-Expanded)
 22. **Drying kinetics and effective moisture diffusivity of purslane undergoing microwave heat treatment**
Demirhan E., ÖZBEK B.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.27, no.5, pp.1377-1383, 2010 (SCI-Expanded)
 23. **REHYDRATION KINETICS OF MICROWAVE-DRIED BASIL**
Demirhan E., ÖZBEK B.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.34, no.4, pp.664-680, 2010 (SCI-Expanded)
 24. **MICROWAVE-DRYING CHARACTERISTICS OF BASIL**
Demirhan E., ÖZBEK B.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.34, no.3, pp.476-494, 2010 (SCI-Expanded)
 25. **A modelling study on hydrolysis of whey lactose and stability of beta-galactosidase**
Demirhan E., Apar D. K., ÖZBEK B.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.27, no.2, pp.536-545, 2010 (SCI-Expanded)
 26. **REHYDRATION KINETICS OF MICROWAVE-DRIED OKRAS AS AFFECTED BY DRYING CONDITIONS**
Apar D., Demirhan E., ÖZBEK B., DADALI G.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.33, no.5, pp.618-634, 2009 (SCI-Expanded)
 27. **A MODELING STUDY ON HYDROLYSIS OF LACTOSE RECOVERED FROM WHEY AND -GALACTOSIDASE STABILITY UNDER SONIC TREATMENT**
Demirhan E., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.196, no.7, pp.767-787, 2009 (SCI-Expanded)
 28. **Color Change Kinetics of Microwave-Dried Basil**
Demirhan E., ÖZBEK B.
DRYING TECHNOLOGY, vol.27, no.1, pp.156-166, 2009 (SCI-Expanded)
 29. **Effect of drying conditions on rehydration kinetics of microwave dried spinach**
DADALI G., Demirhan E., ÖZBEK B.
FOOD AND BIOPRODUCTS PROCESSING, vol.86, pp.235-241, 2008 (SCI-Expanded)

30. **Effect of hydrolysis products and Mg²⁺, Mn²⁺ and Ca²⁺ ions on whey lactose hydrolysis and beta-galactosidase stability**
Demirhan E., Apar D. K., ÖZBEK B.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.83, no.5, pp.625-636, 2008 (SCI-Expanded)
31. **Product inhibition of whey lactose hydrolysis**
Demirhan E., Apar D. K., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.195, no.3, pp.293-304, 2008 (SCI-Expanded)
32. **Effect of impeller speed and viscosity on whey lactose hydrolysis and beta-galactosidase stability**
Demirhan E., Apar D., Ozbek B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.194, no.8, pp.1078-1093, 2007 (SCI-Expanded)
33. **Color change kinetics of spinach undergoing microwave drying**
DADALI G., Demirhan E., Ozbek B.
DRYING TECHNOLOGY, vol.25, no.10, pp.1713-1723, 2007 (SCI-Expanded)
34. **Microwave heat treatment of spinach: Drying kinetics and effective moisture diffusivity**
DADALI G., Demirhan E., Ozbek B.
DRYING TECHNOLOGY, vol.25, no.10, pp.1703-1712, 2007 (SCI-Expanded)

Articles Published in Other Journals

1. **Adsorption of 2,4-Dichlorophenoxyacetic Acid on Peanut Shells: Effect of Initial Concentration**
DEMİRHAN YILMAZ E., ÇULHAOĞLU E.
Environmental Research & Technology, vol.1, no.1, pp.23-26, 2018 (Peer-Reviewed Journal)
2. **REMOVAL OF REACTIVE BLUE 19 FROM AQUEOUS SOLUTION BY PEANUT SHELL: OPTIMIZATION BY RESPONSE SURFACE METHODOLOGY**
DEMİRHAN YILMAZ E.
Selcuk University Journal of Engineering, Science and Technology, vol.5, no.3, pp.312-321, 2017 (Peer-Reviewed Journal)
3. **pH-STAT CALIBRATION FOR SESAME CAKE PROTEIN HYDROLYSIS BY ALCALASE**
Yılmaz E., Apar D. K., Özbek B.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.30, no.1, pp.1-8, 2012 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

1. **Investigation of the Removal of Methylene Blue Using Magnetic Bioadsorbent**
Namuk İ., Demirhan Yılmaz E.
19th International Scientific Research Congress, Ankara, Turkey, 16 - 17 March 2024, pp.57-58
2. **Metilen Mavisi Boyar Maddesinin Hibrit Nanokompozit ile Atık Sulardan Gideriminin Yanıt Yüzey Yöntemi ile Modellenmesi**
Kilmen Öztürk G., Demirhan Yılmaz E.
6th International Eurasian Conference on Biological and Chemical Sciences , Ankara, Turkey, 11 - 13 October 2023, pp.288
3. **Effect of cherry (Prunus avium L.) stalk methanolic and walnut septum acetonetic extracts on the characteristics of the blend films based on chitosan active food packaging film**
Koçyiğit H. N., Yılmaz P., Yılmaz E., Özbek B.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.37
4. **Production of Ficus carica Linn leave extract loaded chitosan/hydroxyapatite scaffolds with enhanced antioxidant and antimicrobial properties**

Yılmaz P., Yılmaz E., Özbek B.

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.152

5. **Fabrication of hemp seed oil-doped gelatin/sodium alginate nanofibers using the Box-Behnken experimental design**
Usta M., Erol Taygun M. M., Yılmaz E.
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 - 25 November 2022, pp.344
6. **Investigation of the Effect of Microwave Synthesis Conditions on Physical and Optical Properties of Carbon Dots Synthesized Using Ficus Carica Linn Leaves**
Yılmaz Çetiner P., Yılmaz E., Özbek B.
4th International Eurasian Conference on Biological and Chemical Science, Ankara, Turkey, 24 - 26 November 2021, pp.1
7. **Kinetic and Equilibrium Studies on the Adsorption of Remazol Ultra Red RGB Dye from Aqueous Solutions using Palm Leaves**
Sevimli S., Yılmaz Çetiner P., Yılmaz E., Özbek B.
International Conference on Chemical and Biochemical Engineering, 20 - 21 August 2021, pp.37
8. **Optimization Study on the Adsorption of Remazol Ultra Red RGB Dye from Aqueous Solutions using Palm Leaves as Natural Bioadsorbent**
Sevimli S., Yılmaz Çetiner P., Yılmaz E., Özbek B.
International Conference on Chemical and Biochemical Engineering, 20 - 21 August 2021, pp.36
9. **Kinetic Modelling Studies on the Microwave-Dried Blackthorn Fruit Epicarp**
Özden E., Yılmaz Çetiner P., Yılmaz E., Özbek B.
Proceedings of Academics Conference Network (ACN) International Conference-2020, İstanbul, Turkey, 05 April 2020, vol.1, no.1, pp.51
10. **SYNTHESIS AND CHARACTERIZATION OF CHITOSAN/HOLLOW NANO SILICA PARTICLES**
ÇELİK N., YILMAZ E.
FIFTH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2019, 17 - 19 December 2019, pp.1064
11. **CHARACTERIZATION STUDY ON HOLLOW NANOSILICA PARTICLES COATED WITH TITANIUM**
PERK A., YILMAZ E.
FIFTH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2019, İstanbul, Turkey, 17 - 19 December 2019
12. **MICROWAVE EXTRACTION OF ESSENTIAL OILS FROM LAVENDER AND ANISE**
YÜCEPUR G., YILMAZ E.
FIFTH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2019, 17 - 19 December 2019, pp.1065
13. **Investigation of Reactive Blue 19 removal from aqueous solution by using Nigella Sative waste**
ÖZTÜRK N. N., YILMAZ E.
1 Mayıs Uluslararası Sosyal Politikalar ve Bilimsel Araştırmalar Kongresi, Ankara, Turkey, 01 May 2019, pp.467
14. **Removal of Reactive Blue 19 With Flaxseed Cake by Adsorption Method From Aqueous Solutions**
ÇAVAŞ C., YILMAZ E.
4th International Scientific Research Congress, Yalova, Turkey, 14 - 17 February 2019
15. **Removal of Methyl Orange from aqueous solution with chitosan/hollow nano silica particles**
ÇELİK N., YILMAZ E.
International Conference on Recent Advances in Science, Technology Engineering, İstanbul, Turkey, 20 - 21 October 2018, pp.36
16. **Removal of Reactive Blue 19 from aqueous solution by hollow nano silica coated with TiO₂**
PERK A., DEMİRHAN YILMAZ E.
International Conference on Recent Advances in Science, Technology Engineering, İstanbul, Turkey, 20 October 2018, pp.37

17. **Investigation of Reactive Blue 19 Dye Removal Using Corncorb as an Eco-Friendly Biosorbent**
ŞANSLI P., DEMİRHAN YILMAZ E.
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, Ankara, Turkey, 05 October 2017, pp.62
18. **Removal of Reactive Blue 19 from Aqueous Solution Using Low Cost Banana Peel: Optimization by Box Behnken Experimental Design**
ŞANSLI P., DEMİRHAN YILMAZ E.
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, Ankara, Turkey, 05 October 2017, pp.61
19. **Effects of Microwave Output Power and Sample Amount on Drying Kinetics of Melissa Officinalis**
DOĞAN A. E., DEMİRHAN YILMAZ E.
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2017), Nevşehir, Turkey, 15 May 2017, pp.1129
20. **Effect of drying conditions on rehydration kinetics of microwave dried melissa**
YILMAZ E., DOĞAN A. E.
International Conference on Agriculture, Forest, Food Sciences and Technologies(ICAFOF 2017), 15 - 17 May 2017
21. **Experimental study on drying kinetics of rocket leaves undergoing microwave drying**
DEMİRHAN YILMAZ E., ÖZBEK B., Ayata Y.
22nd International Congress of Chemical and Process Engineering (CHISA 2016), Prag, Czech Republic, 27 August 2016
22. **A study on removal of reactive blue 19 from aqueous solutions by using potato shell powder**
DEMİRHAN YILMAZ E., ÖZBEK B., Gemiköz A.
22nd International Congress of Chemical and Process Engineering (CHISA 2016), Prag, Czech Republic, 27 August 2016
23. **Effects of microwave output power and sample amount on drying kinetics of samphire**
ÖZBEK B., Altun E., DEMİRHAN YILMAZ E.
22nd International Congress of Chemical and Process Engineering (CHISA 2016), Prag, Czech Republic, 27 August 2016
24. **Investigation of methylene blue dye removal using mixed fruit pulp an an eco friendly biosorbent**
BALTA İ., DEMİRHAN YILMAZ E.
ISEAC39-International Conference Series on Environmental & Food Monitoring, Hamburg, Germany, 19 July 2016, pp.2
25. **Potential use of mixed fruit pulp as a low cost adsorbent for removal of reactive blue 19 dye.**
KARANFİL E., DEMİRHAN YILMAZ E.
ISEAC39-International Conference Series on Environmental & Food Monitoring, Hamburg, Germany, 19 July 2016, pp.1
26. **Box Behnken Design Optimization for the Removal of Reactive Blue 19 from Aqueous Solution by a Low Cost Adsorbent**
DEMİRHAN YILMAZ E.
6th international Conference on Agricultural, Ecological and Medical Sciences, İstanbul, Turkey, 30 May 2016, pp.99
27. **Effect of initial concentration on adsorption behaviour of 2 4 D pesticide on peanut shells**
DEMİRHAN YILMAZ E., ÇULHAOĞLU E.
EurAsia Waste Management Symposium, İstanbul, Turkey, 02 May 2016, pp.856-860
28. **A study on removal of phosphate in aqueous solutions by clinoptilolite**
DEMİRHAN YILMAZ E., HALICI Z.
10th European Congress of Chemical Engineering (ECCE10), Nice, France, 27 September 2015, pp.1122
29. **Effect of temperature on water absorption process for cowpea seeds**
DEMİRHAN YILMAZ E., ÖZBEK B.
10th European Congress of Chemical Engineering (ECCE10), Nice, France, 27 September 2015, pp.1613
30. **Effect of microwave output power on water absorption process for cowpea seeds undergoing microwave treatment**
ÖZBEK B., DEMİRHAN YILMAZ E.

- 10th European Congress of Chemical Engineering (ECCE10), Nice, France, 27 September 2015, pp.1612
31. **Effect of microwave output power and sample amount on colour change kinetics of tea leaves during microwave drying**
ÖZBEK B., DEMİRHAN YILMAZ E.
10th European Congress of Chemical Engineering (ECCE10), Nice, France, 27 September 2015, pp.1611
32. **An experimental study on phosphate adsorption in aqueous solutions by low cost adsorbent**
HALICI Z., DEMİRHAN YILMAZ E.
International Conference on Chemical, Civil and Environmental Engineering (CCEE-2015), İstanbul, Turkey, 05 June 2015, pp.99
33. **A modeling study on kefir grain growth in whey enriched with additives**
KILIÇ APAR D., ÖZEL B., YILMAZ E., ÖZBEK B.
21st International Congress of Chemical and Process Engineering (CHISA 2014), 23 - 27 August 2014, pp.184
34. **Debiting of corn gluten hydrolysate Kinetics of hydrophobic peptide adsorption**
KILIÇ APAR D., YILMAZ E., ÖZBEK B.
21st International Congress of Chemical and Process Engineering (CHISA 2014), 23 - 27 August 2014, pp.185
35. **An experimental study on adsorption of ibuprofen on peanut shell**
ÖZBEK B., YILDIRIM E. E., ÖZEREN H. D., YILMAZ E.
21st International Congress of Chemical and Process Engineering (CHISA 2014), 23 - 27 August 2014, pp.103
36. **A study on adsorption of nickel(II) from aqueous solutions onto pistachio shell**
DEMİRHAN YILMAZ E., Şen T., Baharçiçek Z.
21st International Congress of Chemical and Process Engineering (CHISA 2014), Prag, Czech Republic, 23 August 2014, pp.102
37. **Removal of Remazol Ultra Red RGB Dye from Aqueous Solutions by Adsorption onto Raw Lentil Husk**
KURT Z., ÜNAL Ş., YILMAZ E., KILIÇ APAR D., ÖZBEK B.
2nd International Conference on Environmental Science and Technology-2014, 14 - 17 May 2014, pp.175
38. **An Experimental Study on Removal of Reactive Blue 19 from Aqueous Solutions by Adsorption on Peanut Shell**
DEMİRHAN YILMAZ E., Yücel Ö., Salmi B.
2nd International Conference on Environmental Science and Technology – 2014 (ICOEST'2014 - SIDE), Antalya, Turkey, 14 May 2014, pp.133
39. **An Experimental Study on Drying Kinetics of Tea Leaves Undergoing Microwave Heat Treatment**
Demirhan Yılmaz E., Özbek B., Sert G., Harmanlı S. H.
1th International Chemistry and Chemical Engineering Conference (CCE-2013), Baku, Azerbaijan, 17 - 21 April 2013, pp.74
40. **Effects of Pretreatments on Sesame Cake Protein Hydrolysis, Solubilization and Enzyme Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
1st International Chemistry and Chemical Engineering Conference (CCE-2013), Baku, Azerbaijan, 17 April 2013, pp.101
41. **Optimization of Rehydration Process of Dry Beans Phaseolus Vulgaris L under Ultrasonic Treatment by Using Response Surface Methodolgy**
COŞKUN P. S., YILMAZ E., ÖZBEK B.
1th International Chemistry and Chemical Engineering Conference (CCE-2013), 17 - 21 April 2013, pp.97
42. **Effect of Hydrolysis Degree on Functional Properties of Sesame Cake Protein Hydrolysates**
DEMİRHAN YILMAZ E., ÖZBEK B.
New Biotechnology -15th European Congress on Biotechnology (ECB 2012), İstanbul, Turkey, 23 September 2012, pp.164
43. **Susam Küspesi Protein Hidrolizatlarının Fonksiyonel Özelliklerine Hidroliz Derecesinin Etkisinin İncelenmesi**
DEMİRHAN YILMAZ E., ÖZBEK B.
17. Ulusal Biyoteknoloji Kongresi (BİYOTEKNOLOJİ 2012), İstanbul, Turkey, 23 September 2012, pp.112-116

44. **Susam ve Susam Küspesi Substratlarının Hidroliz, Çözünürlük ve Enzim Aktivite Değerlerinin Karşılaştırılması**
DEMİRHAN YILMAZ E., ÖZBEK B.
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Academic and Administrative Experience

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Courses

Graduation Thesis, Undergraduate, 2018 - 2019, 2016 - 2017
 Chemical Reaction Engineering, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016
 Computer Applications in Chemical Engineering, Undergraduate, 2018 - 2019, 2016 - 2017
 Preparation of Industrial and Drinkable Water, Postgraduate, 2018 - 2019, 2015 - 2016
 Chemical Engineering Lab. 1, Undergraduate, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014
 Chemical Engineering Lab. 2, Undergraduate, 2018 - 2019
 Occupational Health and Safety 1, Undergraduate, 2018 - 2019
 Process Dynamic and Control, Undergraduate, 2018 - 2019, 2016 - 2017
 Graduation Thesis, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
 Chemical Engineering Lab. 1, Undergraduate, 2016 - 2017
 OCCUPATIONAL HEALTH AND SAFETY IN CHEMICAL INDUSTRY, Undergraduate, 2016 - 2017, 2015 - 2016
 Chemical Engineering Lab. 2, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
 Chemical Reaction Engineering, Undergraduate, 2014 - 2015, 2013 - 2014
 Process Dynamic and Control, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

Advising Theses

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 Yılmaz E., Mikrodalga ekstraksiyon yöntemi ile bitkilerden esansiyel yağ eldesi, Postgraduate, G.YÜCEPUR(Student), 2018
 Yılmaz E., Metilen Mavi ve Remazol Ultra Kırmızı Boyar Maddelerinin Meyve Posası Kullanılarak Sulu Çözeltilerden Adsorpsiyon Yöntemi ile Giderilmesi, Postgraduate, İ.BALTA(Student), 2017
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 Yılmaz E., Melisa yapraklarının mikrodalga tekniği kullanılarak kuruma, rehidratasyon ve renk değişim kinetiğinin incelenmesi ve modellenmesi, Postgraduate, A.ERGUN(Student), 2017
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Research Areas

Chemical Engineering and Technology, Biotechnology, Biochemical Reaction Engineering, Biotechnological Processes and Fermentation Technology, Process and Reactor Design, Chemical Reaction Engineering, Food Technology, Engineering and Technology