

Assoc. Prof. Dilek KILIÇ APAR

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, Turkey 2003 - 2008

Post Graduate, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, Turkey 2000 - 2002

Under Graduate, Ege Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, Turkey 1995 - 1999

Research Areas

Environmental Technology, Chemical Engineering and Technology, Biotechnology, Process and Reactor Design, Food Technology

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi/Kimya Mühendisliği Bölümü, Kimya Mühendisliği Bölümü, 2012 - Continues

Courses

Kimya Mühendisliğinde Proses Tasarımı II, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Deneysel Tasarım ve Veri Analizi, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Kim. Müh. Lab.II, Under Graduate, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Kimya Mühendisliğinde Proses Tasarımı I, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Proses Dinamiği ve Kontrol, Under Graduate, 2018 - 2019

Mühendisler için Fiziksel Kimya, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

İleri Reaktör Tasarımı, Post Graduate, 2013 - 2014, 2015 - 2016, 2016 - 2017

Matematiksel Modelleme, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016

Kimya Mühendisliği Uygulamaları, Under Graduate, 2012 - 2013, 2015 - 2016

Kimyasal Reaktör Tasarımı, Under Graduate, 2012 - 2013, 2014 - 2015, 2015 - 2016

Kinetik, Under Graduate, 2013 - 2014

Mesleki İngilizce, Under Graduate, 2013 - 2014

Advising Theses

Kılıç Apar D., Atık Sulardan Kefir Biyokütlesi ile Reaktif Boyar Madde Giderimi, Post Graduate, A.Osman(Student), 2018

Kılıç Apar D., Zenginleştirilmiş peynir altı suyu ile kefir biyokütlesi üretimi: Proses parametrelerinin optimizasyonu ve fermantasyon kinetiğinin incelenmesi, Post Graduate, B.YAVUZ(Student), 2017

Kılıç Apar D., Badem ve kestane kabuğu kullanılarak sulu çözeltilerden bentazon ve metalaxyl pestisitlerinin giderimi:

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Removal of Bentazon and Metalaxyl pesticides from aqueous solutions by using chestnut shells: Process optimization by experimental design, adsorption kinetics and isotherm analysis**
Diler B., KILIÇ APAR D.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, pp.1155-1161, 2019 (Journal Indexed in SCI)
- II. **Bioremoval of reactive dye Remazol Navy by kefir grains**
Erdoğdular A. O. , Kılıç Apar D.
Applied Biological Chemistry, vol.62, pp.1-11, 2019 (Journal Indexed in SCI Expanded)
- III. **KEFIR GRAIN BIOMASS PRODUCTION: INFLUENCE OF DIFFERENT CULTURING CONDITIONS AND EXAMINATION OF GROWTH KINETIC MODELS**
Apar D., Demirhan Yılmaz E., Özel B., Özbek B.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.40, 2017 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **ASCORBIC ACID DEGRADATION KINETIC FOR MICROWAVE DRIED BASIL, PURSLANE AND CELERY LEAVES**
Demirhan E., AKPINAR Z., Apar D. K. , ÖZBEK B.
LATIN AMERICAN APPLIED RESEARCH, vol.45, pp.113-118, 2015 (Journal Indexed in SCI)
- VI. **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, pp.1007-1013, 2013 (Journal Indexed in SCI)
- VII. **Corn gluten hydrolysis by Alcalase: Calibration of pH-stat**
Apar D., ÖZBEK B.
FOOD AND BIOPRODUCTS PROCESSING, vol.89, pp.500-503, 2011 (Journal Indexed in SCI)
- VIII. **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, pp.402-407, 2011 (Journal Indexed in SCI)
- IX. **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, pp.195-202, 2011 (Journal Indexed in SCI)
- X. **A Kinetic Study on Sesame Cake Protein Hydrolysis by Alcalase**
Demirhan E., Apar D. K. , ÖZBEK B.
JOURNAL OF FOOD SCIENCE, vol.76, 2011 (Journal Indexed in SCI)
- XI. **Gas-liquid mass transfer studies for biomass support materials in a bioreactor**
Apar D.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.85, pp.668-673, 2010 (Journal Indexed in SCI)
- XII. **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, pp.536-545, 2010 (Journal Indexed in SCI)
- XIII. **CORN GLUTEN HYDROLYSIS BY ALCALASE: KINETICS OF HYDROLYSIS**
Apar D., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.197, pp.963-973, 2010 (Journal Indexed in SCI)
- XIV. **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, pp.618-634, 2009 (Journal Indexed in SCI)
- XV. **A Kinetic Study on Corn Gluten Hydrolysis**
Apar D., ÖZBEK B.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.32, pp.673-675, 2009 (Journal Indexed in SCI)
- XVI. **Corn gluten hydrolysis by Alcalase: Effects of process parameters on hydrolysis solubilization and enzyme inactivation**
Apar D., ÖZBEK B.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.22, pp.203-212, 2008 (Journal Indexed in SCI)
- XVII. **Milk lactose hydrolysis in a batch reactor: Optimisation of process parameters, kinetics of hydrolysis and enzyme inactivation**
SENER N., Apar D., Demirhan E., ÖZBEK B.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.22, pp.185-193, 2008 (Journal Indexed in SCI)
- XVIII. **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, pp.625-636, 2008 (Journal Indexed in SCI)
- XIX. **Protein releasing kinetics of bakers' yeast cells by ultrasound**
Apar D., ÖZBEK B.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.22, pp.113-118, 2008 (Journal Indexed in SCI)
- XX. **Product inhibition of whey lactose hydrolysis**
Demirhan E., Apar D. K., ÖZBEK B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.195, pp.293-304, 2008 (Journal Indexed in SCI)
- XXI. **Hydrolysis and solubilization of corn gluten by Neutralse**
Apar D., Ozbek B.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.82, pp.1107-1114, 2007 (Journal Indexed in SCI)
- XXII. **Estimation of kinetic parameters for rice starch hydrolysis inhibited by added materials**
Apar D., Ozbek B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.194, pp.334-344, 2007 (Journal Indexed in SCI)
- XXIII. **Color change kinetics of okra undergoing microwave drying**
Dadali G., Apar D., Ozbek B.
DRYING TECHNOLOGY, vol.25, pp.925-936, 2007 (Journal Indexed in SCI)
- XXIV. **Estimation of effective moisture diffusivity of okra for microwave drying**
Dadali G., Apar D., Ozbek B.
DRYING TECHNOLOGY, vol.25, pp.1445-1450, 2007 (Journal Indexed in SCI)
- XXV. **Microwave drying kinetics of okra**
Dadali G., Apar D., Ozbek B.
DRYING TECHNOLOGY, vol.25, pp.917-924, 2007 (Journal Indexed in SCI)
- XXVI. **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, pp.1078-1093, 2007 (Journal Indexed in SCI)
- XXVII. **Enzymatic hydrolysis of starch by using a sonifier**
Apar D., Turhan M., Ozbek B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.193, pp.1117-1126, 2006 (Journal Indexed in SCI)
- XXVIII. **A modelling study on milk lactose hydrolysis and beta-galactosidase stability under sonication**
Sener N., Apar D., Ozbek B.
PROCESS BIOCHEMISTRY, vol.41, pp.1493-1500, 2006 (Journal Indexed in SCI)
- XXIX. **alpha-amylase inactivation during rice starch hydrolysis**
Apar D., Ozbek B.
PROCESS BIOCHEMISTRY, vol.40, pp.1367-1379, 2005 (Journal Indexed in SCI)

- XXX. **alpha-amylase inactivation during corn starch hydrolysis process**
Apar D., Ozbek B.
PROCESS BIOCHEMISTRY, vol.39, pp.1877-1892, 2004 (Journal Indexed in SCI)
- XXXI. **alpha-Amylase inactivation by temperature during starch hydrolysis**
Apar D., Ozbek B.
PROCESS BIOCHEMISTRY, vol.39, pp.1137-1144, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **pH-Stat Calibration for Sesame Cake Protein Hydrolysis by Alcalase**
Demirhan E., Kılıç Apar D., Özbek B.
SIGMA Journal of Engineering and Natural Sciences, vol.30, pp.1-8, 2012 (National Refreed University Journal)
- II. **Corn, Rice and Wheat Starch Hydrolysis by Using Various Alpha-Amylase Enzymes at Temperature 40 C**
KILIÇ APAR D., ÖZBEK B.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.22, pp.55-67, 2004 (National Refreed University Journal)
- III. **Corn Rice and Wheat Starch Hydrolysis by Using Various Alpha Amylase Enzymes at Temperature 40 0C**
Kılıç Apar D., Özbek B.
Sigma Journal of Engineering and Natural Sciences, vol.22, pp.55-67, 2004 (National Refreed University Journal)
- IV. **Enzim Üretimi**
Kılıç Apar D., Özbek B.
Biyoteknoloji Sektör Dergisi-BİYOTEK, vol.14, pp.27-29, 2003 (Other Refereed National Journals)

Books & Book Chapters

- I. **Kimya Mühendisliğine Giriş: Bugünden Yarına Temel Bilgiler**
HASANOĞLU A. M. , Kılıç Apar D.
Literatür Yayıncılık, İstanbul, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Biosorption of Remazol Orange RGB by Kefir Biomass Under Sonication**
Mutlu H., Kılıç Apar D.
5th International Conference on New Trends in Chemistry, Athens, Greece, 22 - 24 April 2019, pp.53
- II. **Removal of Bentazon and Metalaxyl Pesticides from Aqueous Solutions by Almond and Chestnut Shells: Optimization, Kinetics and Isotherm Studies**
Diler B., Kılıç Apar D.
5th International Conference on New trends in Chemistry, Athens, Greece, 22 - 24 April 2019, pp.52
- III. **Biosorption of Reactive Dyes by Kefir Grains**
Erdoğdular A. O. , Kılıç Apar D.
4th International Conference on New trends in Chemistry, Sankt-Peterburg, Russia, 11 - 13 May 2018, pp.34
- IV. **Bioremoval of Reactive dye Remazol Navy by Kefir Grains**
Erdoğdular A. O. , Kılıç Apar D.
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- V. **Optimization of Removal of Metalaxyl from Aqueous Solutions by Adsorption on Almond Shell**
Diler B., Kılıç Apar D.

10th European Congress of Chemical Engineering, Nice, France, 27 September - 01 October 2015, pp.1657

- VI. **Optimization of Adsorption of Bentazon on Chestnut Shell Using Box-Behnken Design**
Diler B., Kılıç Apar D.
International Conference on Chemical, Civil and Environmental Engineering, İstanbul, Turkey, 5 - 06 June 2015, pp.95
- VII. **Debittering of corn gluten hydrolysate: Kinetics of hydrophobic peptide adsorption**
Kılıç Apar D., Demirhan E., Özbek B.
21st International Congress Of Chemical and Process Engineering, Praha, Czech Republic, 23 - 27 August 2014, pp.185
- VIII. **A modeling study on kefir grain growth in whey enriched with additives**
Kılıç Apar D., Özel B., Demirhan E., Özbek B.
21st International Congress Of Chemical and Process Engineering, Praha, Czech Republic, 23 - 27 August 2014, pp.184
- IX. **Removal of Remazol Ultra Red RGB Dye from Aqueous Solutions by Adsorption onto Raw Lentil Husk**
Kurt Z., Ünal Ş., Demirhan E., Kılıç Apar D., Özbek B.
2nd International Conference on Environmental Science and Technology, Antalya, Turkey, 14 - 17 May 2014
- X. **Removal of ibuprofen and paracetamol from aqueous solutions by adsorption on lentil and rice husk**
Çelik A., Altun E., Kılıç Apar D., Özbek B.
2nd International Conference on Environmental Science and Technology, Antalya, Turkey, 14 - 17 May 2014, pp.44-45
- XI. **Kefir Biomass Production with Enriched Whey**
Apar D. K. , ÖZBEK B.
1st International Chemistry and Chemical Engineering Conference (CCE-2013), Baku, Azerbaijan, 17 April 2013, vol.1, pp.73
- XII. **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
- XIII. **Removing of Bitterness of Corn Gluten Hydrolysate**
KILIÇ APAR D., DEMİRHAN YILMAZ E., ÖZBEK B.
Agrochemical and Food Technology, ANQUE ICCE 2012, Sevilla, Spain, 24 June 2012, pp.1
- XIV. **The Effect of Microwave Drying on the Degradation of Vitamin C in Basil, Purslane and Celery Leaves**
DEMİRHAN YILMAZ E., KILIÇ APAR D., Akpınar Z., ÖZBEK B.
4th International Congress on Food and Nutrition, İstanbul, Turkey, 12 October 2011, pp.198
- XV. **An Experimental Study on the Influence of Cu², Mn² and PO₄(³) Ions on the Kefir Grain Biomass Increase**
DEMİRHAN YILMAZ E., KILIÇ APAR D., YALCIN B. E. , ÖZEL B., ÖZBEK B.
4th International Congress on Food and Nutrition, İstanbul, Turkey, 12 October 2011, pp.157
- XVI. **Effect of Temperature and pH on Kinetics of Sesame Cake Hydrolysis**
Demirhan Yılmaz E., Kılıç Apar D., Özbek B.
European Biotechnology Congress 2011, İstanbul, Turkey, 28 September - 01 October 2011, pp.81
- XVII. **Experimental Study on the Effect of Mg², Zn², Ca² and Fe³ Ions on Kefir Grain Biomass Propagation**
Payer G., Kılıç Apar D., Demirhan Yılmaz E., Özbek B.
European Biotechnology Congress 2011, İstanbul, Turkey, 28 September - 01 October 2011, pp.93
- XVIII. **Effect of biomass support materials on oxygen mass transfer**
Kılıç Apar D.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, pp.60
- XIX. **Product Inhibition of Sesame Cake Protein Hydrolysis**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.

- 1st European Congress of Applied Biotechnology (ECAB 2011), Berlin, Germany, 25 September 2011, pp.20
- XX. **An Experimental Study on Skimmed Milk Lactose Hydrolysis in Various Reactor Types**
AKGUL F. B. , DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
1st European Congress of Applied Biotechnology (ECAB 2011), Berlin, Germany, 25 September 2011, pp.21
- XXI. **Influence of Temperature and pH on Sesame Cake Protein Hydrolysis and Alcalase Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
1st European Congress of Applied Biotechnology (ECAB 2011), Berlin, Germany, 25 September 2011, pp.19
- XXII. **Effect of Substrate and Enzyme Concentration on Sesame Cake Protein Hydrolysis and Alcalase Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
8th European Symposium on Biochemical Engineering Science (ESBES-8), Bologna, Italy, 05 September 2010, vol.1, pp.251
- XXIII. **pH-Stat Calibration for Sesame Cake Protein Hydrolysis by Alcalase**
Yılmaz E., Kılıç Apar D., Özbek B.
8th European Symposium on Biochemical Engineering Science (ESBES-8), Bologna, Italy, 5 - 08 September 2010, pp.252
- XXIV. **Corn Gluten Hydrolysis by Neutralse: Kinetics of Hydrolysis and Solubilization**
KILIÇ APAR D., ÖZBEK B.
International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.113
- XXV. **Kinetics of Corn Gluten Hydrolysis by Alcalase**
KILIÇ APAR D., ÖZBEK B.
International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.116
- XXVI. **Effects of Pretreatments on Corn Gluten Hydrolysis and Enzyme Stability**
KILIÇ APAR D., ÖZBEK B.
International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.115
- XXVII. **Kinetics of Wheat Gluten Hydrolysis by Alcalase**
Kılıç Apar D., Atmaca A., Özbek B.
International Enzyme Engineering Symposium (IEES'08), Aydın, Turkey, 1 - 05 October 2008, pp.112
- XXVIII. **Sonikasyon Parametrelerinin Sütteki Laktoz ve Paynır Altı Suyundan Elde Edilen Laktozun Hidrolizi ve Enzim Aktivitesine Etkisinin İncelenmesi**
DEMİRHAN YILMAZ E., Şener N., KILIÇ APAR D., ÖZBEK B.
15. Ulusal Biyoteknoloji Kongresi (BİYOTEKNOLOJİ 2007), Antalya, Turkey, 28 October 2007, pp.50
- XXIX. **Porosity Analysis of Spinach and Okra Dried Under Microwave Treatment**
Dadaş G., YILMAZ E., KILIÇ APAR D., ÖZBEK B.
2nd International Congress on Food and Nutrition (ICFN-2), İstanbul, Turkey, 24 October 2007, vol.1, pp.229
- XXX. **Estimation of Kinetic Parameters for Whey Lactose Hydrolysis Inhibited by Glucose and Galactose**
Demirhan Yılmaz E., Kılıç Apar D., Özbek B.
13th European Congress on Biotechnology (ECB-13), Barcelona, Spain, 16 - 19 September 2007
- XXXI. **Microwave Drying Kinetics of Okra and Spinach**
Dadaş G., KILIÇ APAR D., YILMAZ E., ÖZBEK B.
17th International Congress of chemical and process engineering (CHISA 2006), Prag, Czech Republic, 27 August 2006, pp.1408
- XXXII. **Colour Change Kinetics of Okra and Spinach During Microwave Drying**
Dadaş G., KILIÇ APAR D., DEMİRHAN YILMAZ E., ÖZBEK B.
17th International Congress of chemical and process engineering (CHISA 2006), Prag, Czech Republic, 27 August 2006, vol.1, pp.1407
- XXXIII. **Rehydration Kinetics of Okra and Spinach During Microwave Drying**
Dadaş G., KILIÇ APAR D., DEMİRHAN YILMAZ E., ÖZBEK B.
17th International Congress of chemical and process engineering (CHISA 2006), Prag, Czech Republic, 27 August 2006, vol.1, pp.1409
- XXXIV. **Effect of Substrate and Enzyme Concentration on Corn Gluten Hydrolysis and Alcalase Stability**

- KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.128
- XXXV. **Effect of Hydrolysis Products of Whey Lactose on Hydrolysis and Enzyme Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.131
- XXXVI. **Influence of Mg, Mn and Ca Ions on Whey Lactose Hydrolysis and Enzyme Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.132
- XXXVII. **Temperature and pH effect on Corn Gluten Hydrolysis and Alcalase Stability**
KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.127
- XXXVIII. **Product Inhibition Kinetics for Corn Gluten Hydrolysis**
KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.129
- XXXIX. **Effect of Process Variables on Whey Lactose Hydrolysis and Enzyme Stability**
DEMİRHAN YILMAZ E., KILIÇ APAR D., ÖZBEK B.
6th European Symposium on Biochemical Engineering Science (ESBES-6), Salzburg, Austria, 27 August 2006, vol.1, pp.130
- XL. **Effect of Temperature, pH and Viscosity on Enzymatic Hydrolysis of Corn Gluten**
Kılıç Apar D., Özbek B.
12th European Congress on Biotechnology (ECB12), Kobenhavn, Denmark, 21 August 2005, vol.1
- XLI. **Effect of Substrate, Enzyme and Hydrolysate Concentration on Corn Gluten Hydrolysis**
Kılıç Apar D., Özbek B.
12th European Congress on Biotechnology (ECB12), Kobenhavn, Denmark, 21 - 24 August 2005
- XLII. **A Modelling Study on Enzymatic Hydrolysis of Milk Lactose by a Sonifier**
Şener N., Kılıç Apar D., Özbek B.
12th European Congress on Biotechnology (ECB12), Kobenhavn, Denmark, 21 - 24 August 2005
- XLIII. **Protein Releasing from Baker's Yeast Cells Disrupted by a Sonifier**
KILIÇ APAR D., ÖZBEK B.
5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 08 September 2004, pp.128
- XLIV. **Enzymatic Hydrolysis of Lactose Recovered from Whey**
Dırak E., KILIÇ APAR D., Şener N., ÖZBEK B.
5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 08 September 2004, vol.1, pp.137
- XLV. **Effects of Process Parameters on Oxygen Mass Transfer Coefficient by Using Activated Carbon in a Bioreactor**
Berkyürek G., KILIÇ APAR D., ÖZBEK B.
5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 08 September 2004, vol.1, pp.133-134
- XLVI. **Investigation of Hydrolysis of Wheat Starch and Stability of Alpha-Amylase by a Sonifier**
KILIÇ APAR D., Turhan M., ÖZBEK B.
5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 08 September 2004, vol.1, pp.135-136
- XLVII. **A Modelling Study on Enzymatic Hydrolysis of Milk Lactose in a Batch Reactor**
Şener N., KILIÇ APAR D., ÖZBEK B.

5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 08 September 2004, vol.1, pp.131-132

XLVIII. Estimation of Kinetic Parameters for Rice Starch Hydrolysis Inhibited by Added Materials

Kılıç Apar D., Özbek B.

5th European Symposium on Biochemical Engineering Science (ESBES-5), Stuttgart, Germany, 8 - 11 September 2004, pp.129-130

XLIX. The Investigation of the Hydrolysis of Starch and Stability of Alpha-Amylase Enzyme by a Sonifier

KILIÇ APAR D., ÖZBEK B.

11th European Congress on Biotechnology (ECB11), Basel, Switzerland, 24 August 2003, vol.1, pp.170

L. The Effects of the Process Parameters on Alpha Amylase Enzyme Activity During Rice Starch Hydrolysis Process

Kılıç Apar D., Özbek B.

27th International Exhibition-Congress on Chemical Engineering, Environmental Protection and Biotechnology, Frankfurt, Germany, 19 - 24 May 2003, vol.1, pp.61

LI. Piriñ ve Mısıı Niřastalarının Hidrolizlenmesinde; Hidrolizat, Glikoz, Maltoz, Etanol ve CaCl₂nin Alfa-Amilaz Enzim Aktivitesine Etkilerinin İncelenmesi

KILIÇ APAR D., ÖZBEK B.

Beşinci Ulusal Kimya Mühendisliđi Kongresi, Ankara, Turkey, 02 September 2002, vol.1, pp.4

LII. The Effects of Hydrolysate, Glucose, Maltose, Ethanol and CaCl₂ on the Alpha Amylase Enzyme Activity During Corn Starch Hydrolysis Process

KILIÇ APAR D., ÖZBEK B.

4th European Symposium on Biochemical Engineering Science (ESBES-4), Delft, Netherlands, 28 August 2002, vol.1, pp.143

LIII. The Effect of Temperature on the Activities of Alpha Amylase Enzymes during Hydrolysis Process of Wheat, Corn and Rice Starch

KILIÇ APAR D., ÖZBEK B.

4th European Symposium on Biochemical Engineering Science (ESBES-4), Delft, Netherlands, 28 August 2002, vol.1, pp.142

LIV. Investigation of the Effects of the Process Parameters on the Alpha Amylase Enzyme Activity During Corn Starch Hydrolysis Process

Kılıç Apar D., Özbek B.

4th European Symposium on Biochemical Engineering Science (ESBES-4), Rotterdam, Netherlands, 28 - 31 August 2002, pp.141

LV. The Effects of Hydrolysate, Glucose, Maltose, Ethanol and CaCl₂ on the Alpha Amylase Enzyme Activity During Rice Starch Hydrolysis Process

Kılıç Apar D., Özbek B.

4th European Symposium on Biochemical Engineering Science (ESBES-4), Rotterdam, Netherlands, 28 - 31 August 2002, pp.144

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