

Assoc. Prof. ASLI GÖK

Personal Information

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Address: İstanbul Üniversitesi- Cerrahpaşa Mühendislik Fakültesi Kimya Mühendisliği Bölümü Temel İşlemler ve Termodinamik Anabilim Dalı

Education Information

Doctorate, Istanbul University, Mühendislik Fakültesi/Fen Bilimleri Enstitüsü, Kimya Mühendisliği/Temel İşlemler Ve Termodinamik, Turkey 2007 - 2012

Postgraduate, Istanbul University, Mühendislik Fakültesi/Fen Bilimleri Enstitüsü, Kimya Mühendisliği/Temel İşlemler Ve Termodinamik, Turkey 2005 - 2007

Undergraduate, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Quality Management, iso 9001 iç denetçisi, İnforma Eğitim, 2006

Dissertations

Doctorate, TURUNÇGİLLERDEN FARKLI YÖNTEMLERLE UÇUCU YAĞ ELDE EDİLMESİ VE KİMYASAL BİLEŞİMİNİN İNCELENMESİ, İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği/Temel İşlemler Ve Termodinamik, 2012

Postgraduate, SU-ALKOL-DİBAZİK ESTERLER ÜÇLÜ SİSTEMLERİNİN SIVI-SIVI DENGELERİNİN İNCELENMESİ, İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği/Temel İşlemler Ve Termodinamik, 2007

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Thermodynamics, Heat Transfer, Separation Operations, Mechanical Physical Operations, Chemistry, Biochemistry, Fatty acids, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemical Engineering, 2018 - Continues

Assistant Professor, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2014 - 2018

Courses

Esansiyel Yağlar ve Üretim Teknolojileri, Postgraduate, 2021 - 2022
iş hukuku, Undergraduate, 2019 - 2020
Kozmetik Kimyası ve Üretim Teknolojileri, Postgraduate, 2019 - 2020
kimya müh lab 1, Undergraduate, 2019 - 2020
Isı Transferi, Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Kimya Mğühendisliği Laboratuvarı 1, Undergraduate, 2015 - 2016
Kimya Mühendisliği Laboratuvarı 2, Undergraduate, 2012 - 2013
Isı Transferi, Undergraduate, 2012 - 2013
Kimya Mühendisliği Laboratuvarı 1, Undergraduate, 2012 - 2013
Taşınım Olayları II, Undergraduate, 2009 - 2010, 2010 - 2011, 2011 - 2012
Chem. Eng. Lab. I, Undergraduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
Chem. Eng. Lab. II, Undergraduate, 2007 - 2008, 2008 - 2009, 2009 - 2010

Advising Theses

Gök A., Kırbaşlar Ş. İ. , Mukonik asidin reaktif ekstraksiyonu, Postgraduate, Ö.Demir(Student), Continues
Gök A., Punisik asitce zengin bitki özütü ekstraksiyonu ve optimizasyonu, Postgraduate, H.Uyar(Student), Continues
GÖK A., Reaktif Ekstraksiyon Yöntemi Kullanılarak Bazı Karboksilik Asitlerin Sulu Çözeltiden Geri Kazanımı, Postgraduate, E.Baykal(Student), Continues
GÖK A., PEKTİN ÜRETİMİ ATIKLARINDAN ADSORBAN ELDESİ, KARAKTERİZASYONU VE UYGULAMALARI, Postgraduate, K.Polat(Student), 2019
Gök A., ÇEŞİTLİ FESLEĞEN (OCIMUM SP.) TÜRLERİNDEKİ ETERİK YAĞ VERİMİNİN BELİRLENMESİ ve UYGUN ÜRETİM METODUNUN SEÇİMİ, Postgraduate, G.Akalan(Student), 2018
GÖK A., YENİ EKSTRAKSİYON METODLARIYLA TURUNÇGİL KABUKLARINDAN PEKTİN VE MODİFİYE PEKTİN ÜRETİMİ, Postgraduate, A.SYEITKHAJY(Student), 2017

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

- I. **Optimization of protocatechuic acid adsorption onto weak basic anion exchange resins: kinetic, mass transfer, isotherm, and thermodynamic study**
Demir O., Gok A., Kirbaslar S. I.
BIOMASS CONVERSION AND BIOREFINERY, 2022 (Journal Indexed in SCI)
- II. **Reactive extraction of cis,cis-muconic acid from aqueous solution using phosphorus-bonded extractants, tri-n-octylphosphineoxide and tri-n-butyl phosphate: Equilibrium and thermodynamic study**
Demir Ö., GÖK A., Uslu H., KIRBAŞLAR Ş. İ.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.272, 2021 (Journal Indexed in SCI)
- III. **Study on Oxalic Acid Extraction by Tripropylamine: Equilibrium and Computational COSMO-SAC Analysis**
Uslu H., Baykal E., GÖK A., KIRBAŞLAR Ş. İ. , Santos D.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.65, no.9, pp.4347-4353, 2020 (Journal Indexed in SCI)
- IV. **Enhanced adsorption of nicotinic acid by different types of Mg/Al layered double hydroxides: synthesis, equilibrium, kinetics, and thermodynamics**
Gok A.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.41, no.5, pp.779-786, 2020 (Journal Indexed in SCI)
- V. **Swelling behaviors of poly(dodecyl methacrylate-co-methyl eugenol) and poly(dodecyl methacrylate-co-methyl chavicol) gels in essential oil components**

SEVGİLİ L. M. , GÖK A., Kayman U., ÇAVUŞ S.

CHEMICAL PAPERS, vol.71, no.8, pp.1399-1408, 2017 (Journal Indexed in SCI)

- VI. **Investigation of Ternary Phase Diagrams of (Water plus Butyric Acid plus Phenyl Acetate) at Different Temperatures**
Bayazit K., Uslu H., Gok A., Kirbaslar S. I. , SANTOS D., BAMUFLEH H. S.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.61, no.3, pp.1313-1320, 2016 (Journal Indexed in SCI)
- VII. **Investigation of Lactic Acid Separation by Layered Double Hydroxide: Equilibrium, Kinetics, and Thermodynamics**
Lalikoğlu M., Gok A., Gok M. K. , Asci Y. S.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.60, no.11, pp.3159-3165, 2015 (Journal Indexed in SCI)
- VIII. **Effect of Diluents on the Extraction of Fumaric Acid by Tridodecyl Amine (TDA)**
Gemici A., Uslu H., Gok A., Kirbaslar S. I.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.60, no.3, pp.919-924, 2015 (Journal Indexed in SCI)
- IX. **Comparison of lemon oil composition after using different extraction methods**
Gok A., Kirbaslar S. I. , Kirbaslar F. G.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.27, no.1, pp.17-22, 2015 (Journal Indexed in SCI)
- X. **Reactive Extraction of (E)-Butenedioic Acid (Fumaric Acid) by Nontoxic Diluents**
Uslu H., Gemici A., Gok A., Kirbaslar S. I.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.59, no.11, pp.3767-3772, 2014 (Journal Indexed in SCI)
- XI. **Phase equilibria of (water plus butyric acid plus butyl acetate) ternary systems at different temperatures**
Bayazit K., Gok A., Uslu H., Kirbaslar S. I.
FLUID PHASE EQUILIBRIA, vol.379, pp.185-190, 2014 (Journal Indexed in SCI)
- XII. **Equilibrium, kinetics and thermodynamic studies for separation of malic acid on layered double hydroxide (LDH)**
Gok A., Gok M. K. , Asci Y. S. , Lalikoğlu M.
FLUID PHASE EQUILIBRIA, vol.372, pp.15-20, 2014 (Journal Indexed in SCI)
- XIII. **Volatiles in Turkish clementine (Citrus clementina Hort.) peel**
Kirbaslar S. I. , Gok A., Kirbaslar F. G. , Tepe S.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.24, no.2, pp.153-157, 2012 (Journal Indexed in SCI)
- XIV. **Liquid-liquid equilibria of (water plus butyric acid plus diethyl succinate or diethyl glutarate or diethyl adipate) ternary systems**
Gok A., Kirbaslar S. I. , Uslu H., Gilani H. G.
FLUID PHASE EQUILIBRIA, vol.303, no.1, pp.71-75, 2011 (Journal Indexed in SCI)
- XV. **Liquid-Liquid Equilibria of the (Water plus Ethanol plus Linalyl Acetate) Ternary System at Different Temperatures**
Gok A., Cebeci F., Uslu H., Kirbaslar S. I.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.56, no.3, pp.521-526, 2011 (Journal Indexed in SCI)
- XVI. **Phase equilibria of (water plus levulinic acid plus dibasic esters) ternary systems**
Uslu H., Gok A., Kirbaslar S. I.
FLUID PHASE EQUILIBRIA, vol.282, no.1, pp.20-24, 2009 (Journal Indexed in SCI)
- XVII. **Phase equilibria of (water plus levulinic acid plus alcohol) ternary systems**
Uslu H., Gok A., Kirbaslar S. I.
FLUID PHASE EQUILIBRIA, vol.273, pp.21-26, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Experimental Design of Reactive Extraction of Levulinic Acid Using Green Solvents**

GÖK A.

Süleyman Demirel University Journal of Natural and Applied Sciences, vol.23, no.3, pp.878-884, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Essential Oil Yield in Various Sweet Basil (*Ocimum spp.*) Species and Selection of Suitable Production Method**
Akalan N. G. , Bilgin M., Gök A.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), İstanbul, Turkey, 16 - 18 December 2020, pp.111
- II. **Preparation, characterization and application of the adsorbent from pectin production wastes**
Polat K., Gök A., Emik S., Kırbaşlar Ş. İ.
1 st International Symposium on Graduate Research in Science: Focus on Entrepreneurship and innovation, İstanbul, Turkey, 4 - 06 October 2019
- III. **Comparison of Different Extraction Techniques on Essential Oil Production**
Kıralı İ., GÖK A., KIRBAŞLAR Ş. İ.
1 st International Symposium on Graduate Research in Science: Focus on Entrepreneurship and innovation, İstanbul, Turkey, 4 - 05 October 2019
- IV. **Tripropil Kullanılarak Sulu Çözeltilerinden Maleik Asidin Reaktif Ekstraksiyonu**
KIRBAŞLAR Ş. İ. , Baykal E., Gök A., Uslu H.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.304
- V. **Tripropil Amin Kullanılarak Sulu Çözeltilerden Sitrik Asitin Reaktif Ekstraksiyonu**
KIRBAŞLAR Ş. İ. , Uslu H., Gök A., Baykal e.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.305
- VI. **Reactive Extraction of Oxalic Acid from Its Aqueous Solutions**
baykal e., GÖK A., KIRBAŞLAR Ş. İ.
2 nd International Eurasian Conference on Biological and Chemical Sciences, İstanbul, Turkey, 28 - 29 June 2019
- VII. **MODELING OXALIC ACID REMOVAL BY ADSORPTION FROM WATER USING RESPONSE SURFACE METHODOLOGY-ARTIFICIAL NEURAL NETWORK APPROACH**
GÖK A., AŞÇI Y. S. , GÖK M. K. , gamsızkan h.
4 INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 23 - 24 April 2019, pp.15
- VIII. **Modified Pectin Production from Banana Peel with Ultrasound Assisted Extraction**
GÖK A.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.17
- IX. **Swelling behaviors of poly(dodecyl methacrylate-co-methyl eugenol) and poly(dodecyl methacrylate-co-methyl chavicol) gels in essential oil components and in solvents with different functional groups**
SEVGİLİ L. M. , GÖK A., KAYMAN Ü., ÇAVUŞ S.
BIT's 1st Annual Conference of Quatum World 2017, Changsha, China, 16 - 18 October 2017, pp.82
- X. **The effects of freshly obtained hazelnut extract-loaded layered double hydroxide for cryopreservation of ram semen**
DEMİR K., ARICI R., GÖK M. K. , GÖK A., Yağcıoğlu S., PABUCCUOĞLU S. Ö. , PABUCCUOĞLU S.
3 rd. International VETİstanbul Group Congress, Sarajevo, Bosnia And Herzegovina, 17 - 20 May 2016, vol.1, pp.87
- XI. **Investigation of Lactic Acid Separation by Layered Double Hydroxide; Equilibrium, Kinetics and Thermodynamics**
LALİKOĞLU M., GÖK A., GÖK M. K. , AŞÇI Y. S.
41st Conference on Phase Equilibria, Coimbra, Portugal, 25 - 27 March 2015, pp.103
- XII. **Evaluation of composition of bitter orange leaf oil obtained by hydrodistillation methods and antioxidant activity**

KIRBAŞLAR Ş. İ., İLBAY Z., KIRBAŞLAR F. G., Boyanay K. Ö., GÖK A.

International Symposium on Essential Oils, İstanbul, Turkey, 7 - 10 September 2014, pp.192

- XIII. **Extractive Separation of Fumaric Acid By Tridodecyl Amine And Tributyl Amine in different Solvents**
KIRBAŞLAR Ş. İ., Gemici A., GÖK A., Uslu H.
44 th World Chemistry Congress, Turkey, 1 - 04 October 2013, pp.1023
- XIV. **Extractive Separation of Nicotinic Acid by Tridodecyl Amine and Triisooctyl Amine in different Solvents**
Gemici A., KIRBAŞLAR Ş. İ., GÖK A., Uslu H.
44 th World Chemistry Congress, Turkey, 1 - 04 October 2013, pp.1267
- XV. **Extractive Separation of Glyoxylic Acid By Tridodecyl Amine in Different Solvent**
GÖK A., Gemici A., KIRBAŞLAR Ş. İ., Uslu H.
44 th World Chemistry Congress, Turkey, 1 - 04 October 2013, pp.1251
- XVI. **Extractive Separation of Glyoxylic Acid By Tridodecyl Amine and Trioctyl Amine in Different Solvent**
GÖK A., Gemici A., KIRBAŞLAR Ş. İ., Uslu H.
44 th World Chemistry Congress, Turkey, 1 - 04 October 2013, pp.1251
- XVII. **Investigation of Composition of Grapefruit peel oil obtained by supercritical CO₂ Extraction, Cold Pressing and Hydrodistillation Methods**
KIRBAŞLAR F. G., KIRBAŞLAR Ş. İ., GÖK A.
44 th International Symposium on Essential Oils, Hungary, pp.141
- XVIII. **Analysis of lemon oil obtained by supercritical CO₂ extraction, cold pressing and hydrodistillation methods**
KIRBAŞLAR Ş. İ., GÖK A., KIRBAŞLAR F. G.
44 th International Symposium on Essential Oils, Hungary, pp.55
- XIX. **ANALYSIS OF TURKISH ORANGE (CITRUS SINENSIS (L.) OSBECK) PEEL OILS OBTAINED BY SUPERCRITICAL CO₂ EXTRACTION, COLD PRESSING AND HYDRODISTILLATION METHODS**
GÖK A., KIRBAŞLAR Ş. İ., KIRBAŞLAR F. G.
44 th International Symposium on Essential Oils, Hungary, pp.139
- XX. **Dodecyl Methacrylate-Methyl Eugenol and Dodecyl Methacrylate-Methyl Chavicol Gels: Separation of Phenyl Propanoid and Terpenoid Mixtures from Ethanol**
ÇAVUŞ S., GÖK A., SEVGİLİ L. M., Kayman Ü.
EPF2013-European Polymer Federation, Italy, 1 - 04 June 2013, pp.1-20
- XXI. **Supercritical CO₂ Extraction of Turkish Bergamot Peel Oil**
GÖK A., KIRBAŞLAR Ş. İ., KIRBAŞLAR F. G., TURGUTOĞLU E.
42. International Symposium on Essential Oils, Turkey
- XXII. **Liquid-Liquid Equilibria of the (Water+Ethanol+ Linalyl Acetate) Ternary System at Different Temperatures**
KIRBAŞLAR Ş. İ., GÖK A., CEBECİ F., Uslu H.
8. European Congress of Chemical Engineering, Germany, 1 - 04 September 2011
- XXIII. **Süperkritik Ekstraksiyon Yöntemiyle Limon Yağı Eldesi kimyasal Bileşiminin Belirlenmesi**
GÖK A., Kırbaşlar İ., KIRBAŞLAR F. G., Tepe S.
IX. Ulusal Kimya Mühendisliği Kongresi, Ankara, Turkey, 1 - 04 June 2010
- XXIV. **(Liquid- Liquid) Equilibria of (Water+Butyric Acid+ Diethyl Succinate or Diethyl Glutarate or Diethyl Adipate) Ternary System**
GÖK A., Uslu H., KIRBAŞLAR Ş. İ.
th International Conference of SSCHE, Slovakia, 1 - 04 May 2009
- XXV. **Su- Etil Alkol- Dİbazik Ester Karışımı Üçlü Sisteminin Sıvı- Sıvı Dengesi**
GÖK A., İNCE E.
Ulusal Kimya Mühendisliği Kongresi UKMK-8, Malatya, Turkey, 1 - 04 August 2008
- XXVI. **Su-Levunilik Asit-Çözücü (İzo amil alkol, Nonanol ve Dekanol) Üçlü Sistemlerinin Sıvı- Sıvı Denge Verilerinin İncelenmesi**

GÖK A.

Ulusal Kimya Mühendisliği Kongresi UKMK-8, Malatya, Turkey, 1 - 04 August 2008

XXVII. (Liquid-Liquid) Equilibria of (Water+Levulinic Acid+ Esters) Ternary Systems

GÖK A.

9. European Conferance of Research in Chemical Education, Turkey, 1 - 04 July 2008

Supported Projects

GÖK A., UYAR H., Project Supported by Higher Education Institutions, Punisik Asitce Zengin Bitki Özütü Ekstraksiyonu ve Optimizasyonu, 2020 - 2022

KIRBAŞLAR Ş. İ. , BAYKAL E., GÖK A., Project Supported by Higher Education Institutions, Reaktif Ekstraksiyon Yöntemi Kullanılarak Bazı Karboksilik Asitlerin Sulu Çözeltilerden Geri Kazanımı, 2020 - 2020

ÇAVUŞ S., GÖK A., Project Supported by Higher Education Institutions, Metil Kavikol Karakterizasyonu, 2017 - 2019

KIRBAŞLAR Ş. İ. , GÖK A., Project Supported by Higher Education Institutions, Penisilin G'nin Fermentasyon ortamından N,N Dioktilaminin farklı Seyreltilerindeki Çözeltileriyle Ekstraksiyonu, 2017 - 2019

SEVGİLİ L. M. , KAYMAN Ü., GÖK A., ÇAVUŞ S., Project Supported by Higher Education Institutions, Swelling behaviors of polydodecyl methacrylate-co-methyl eugenol and polydodecyl methacrylate-co-methyl chavicol gels in essential oil components and in solvents with different functional groups, 2017 - 2018

GÖK A., DRAMUR M. U. , AKALAN N. G. , Project Supported by Higher Education Institutions, Çeşitli fesleğen(Ocimum sp.)Türlerindeki eterik yağ veriminin belirlenmesi ve uygun üretim metodunun seçimi, 2013 - 2018

Gök A., Kırbaşlar Ş. İ. , TUBITAK Project, Yeni ekstraksiyon metodlarıyla Turunçgil Kabuklarından Modifiye Pektin ve Pektin Üretimi, 2015 - 2017

GÖK A., GÖK M. K. , PABUCCUOĞLU S., PABUCCUOĞLU S. K. , DEMİR K., ARICI R., YAĞCIOĞLU S., Project Supported by Higher Education Institutions, THE EFFECTS OF FRESHLY OBTAINED HAZELNUT EXTRACT-LOADED LAYERED DOUBLE HYDROXIDE FOR CRYOPRESERVATION OF RAM SEMEN, 2016 - 2016

EMİK S., GÖK A., Project Supported by Higher Education Institutions, Portakal Kabuğu Atıklarından Kompozit Yapıda Bio-Aktif Karbon Eldesi ve Atık Sulardan Boyar Madde Gideriminde Kullanımı, 2013 - 2015

KIRBAŞLAR Ş. İ. , GÖK A., ŞAHİN SEVGİLİ S., Project Supported by Higher Education Institutions, Greyfurt Kabuklarından Antioksidan Eldesi ve Bileşiminin ANALIZI, 2013 - 2014

GÖK A., Project Supported by Higher Education Institutions, ANALYSIS OF TURKISH ORANGE (CITRUS SINENSIS (L.) OSBECK) PEEL OILS OBTAINED BY SUPERCRITICAL CO2 EXTRACTION, COLD PRESSING AND HYDRODISTILLATION METHODS, 2013 - 2013

Scientific Refereeing

chemical engineering data, SCI Journal, September 2019

Natural Product Research , SCI Journal, February 2014

Edit Congress and Symposium Activities

International Eurasian Conferance on Biological and Chemical Sciences (EurasianBioChem 2018), Attendee, Ankara, Turkey, 2018

Citations

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