

Prof. Hasan SADIKOĞLU

Personal Information

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Biography

Prof. Dr. Hasan Sadıkoğlu was born in Trabzon-Of at 1968. He received his bachelor (B.Sc.) degree from Yıldız Technical University in 1990 with honors (ranked in first place among 82 graduates). He completed his master's and doctoral degrees at the University of Missouri-Rolla with a scholarship from YOK (Higher Education Council of Turkey) in 1996 and 1998, respectively. After completing his graduate degrees in the United States, he worked as an assistant professor, associate professor, professor and dean of school of engineering at Gebze Technical University for 14 years. Since 2016, he has been working as a professor at Yıldız technical University. He participated as a principal and associate investigator in many research projects supported by different institutions such as TUBITAK, DPT, UNIVERSITIES, MINISTRY OF INDUSTRY. His research interest focused on mathematical modelling, optimization, applied mathematics, energy from bio-mass, and energy policies and he published many papers and book chapters and participated many congresses and symposiums, also supervised many bachelor, masters and doctoral thesis in this field.

Education Information

Doctorate, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, United States Of America 1996 - 1998

Postgraduate, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, United States Of America 1994 - 1995

Undergraduate, Yıldız Teknik Üniversitesi, Mühendislik, Kimya Mühendisliği, Turkey 1986 - 1990

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, The dynamic modelling and optimal control of the primary and secondary drying stages of bulk solution freeze drying in trays, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, 1998

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Thermodynamics, Fluid Mechanics, Heat Transfer, Momentum Transport, Transport Events, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2015 - Continues

Associate Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - 2014

Assistant Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2009

Assistant Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2000 - 2006

Research Assistant PhD, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, 1999 - 2000

Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Temel İşlemler Ve Termodinamik, 2016 - Continues

Gebze Teknik Üniversitesi, Mühendislik Fakültesi, 2015 - 2016

Gebze Teknik Üniversitesi, 2014 - 2015

Gebze Teknik Üniversitesi, Mühendislik Fakültesi, 2010 - 2015

Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Doçent Temsilcisi, 2009 - 2015

Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Müh, 2002 - 2015

Gebze Teknik Üniversitesi, Kimya Mühendisliği, 2008 - 2014

Gebze Teknik Üniversitesi, Kazak-Türk Yeninelebilir Enerji Sistemleri, 2004 - 2014

Gebze Teknik Üniversitesi, 2001 - 2011

Courses

CHEMICAL ENGINEERING THERMODYNAMICS, Undergraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Kimya Mühendisliği Akışkanlar Mekaniği, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

KİMYA MÜHENDİSLİĞİNDE UYGULAMALI İLERİ MATEMATİK II, Doctorate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

KİMYA MÜHENDİSLİĞİNDE UYGULAMALI İLERİ MATEMATİK I, Postgraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

NUMERICAL ANALYSIS, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

OPTIMIZATION IN CHEMICAL ENGINEERING, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

CHEMICAL ENGINEERING THERMODYNAMICS II , Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021

GIDA ENDÜSTRİSİNDE MATEMATİKSEL UYGULAMALAR VE MODELLEME , Doctorate, 2017 - 2018

CALCULUS II, Undergraduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015

TRANSPORT PHENOMENA, Doctorate, 2000 - 2001, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006

LİNEER CEBİR ve DİFFERANSİYEL DENKLEMLER, Undergraduate, 2003 - 2004

Advising Theses

Sadıkoglu H., Melikoglu M., Post Vision 2023: Scenario Development and Systems Design for Turkey Energy Sector till 2033, Postgraduate, M.Akın(Student), 2021

Sadıkoglu H., Preparation and Characterization of Grape-Based Edible Film and Its Application to Edible Coating, Doctorate, M.Yıldırım(Student), 2021

Sadıkoglu H., Oruç M. E. , Employment of a Hydrophobic Membrane for Rapid Removal of Gases in the Planar

Microfluidic Electrolyzer, Postgraduate, N.MEŞE(Student), 2021

Sadikoğlu H., Response surface methodology for evaluation of the effects of screw speed, feed moisture and xanthan gum level on functional and physical properties of corn half products, Doctorate, Ö.AKTÜRK(Student), 2020

Sadikoğlu H., QUATERNIZED AMMONIUM FUNCTIONALIZED POLYLACTIC ACID FILMS : STRUCTURE-ANTIMICROBIAL ACTIVITY RELATIONSHIP AND MECHANICAL/BARRIER PROPERTIES, Doctorate, F.AYNALI(Student), 2020

Sadikoğlu H., Gasification And Mathematical Modelling of Solid Fuels in a Downdraft Gasifier, Doctorate, E.SİDDİK(Student), 2019

Sadikoğlu H., Püskürtmeli Dondurarak Kurutma Methodunun Matematiksel Modellemesi , Postgraduate, D.Uğurlu(Student), 2019

Sadikoğlu H., Özdemir O. K. , Proton Geçirimli Mebran Tipi Yakıt Hücrelerinde Gaz Difüzyon Tabakasının Modifikasyonu ve Modellenmesi, Postgraduate, Ş.KİL(Student), 2019

Sadikoğlu H., Şeker M., Freeze-Drying of Turkey Breast Meat: Mathematical Modeling and Estimation of Transport Parameters, Doctorate, Ö.CUMHUR(Student), 2016

SADIKOĞLU H., Dondurarak Kurutma Metoduyla Çözünebilir Çay Üretim İşleminin Modellenmesi ve Taşınım Parametrelerinin Belirlenmesi, Postgraduate, E.SİDDİK(Student), 2014

Sadikoğlu H., Ergenekon P., Çimento Sektöründe Teknoloji İhtiyaç Değerlendirmesi ve Sera Gazı Potansiyelinin Belirlenmesi, Postgraduate, K.RENDE(Student), 2013

Sadikoğlu H., Çakır T., Metabolom Verilerinin Hesaplamalı Analizi ile Metabolik Ağyapı Çıkarımı, Postgraduate, M.ÖKSÜZ(Student), 2011

Sadikoğlu H., Çakır T., Metabolik Akı Analizi Tekniklerini Kullanarak Hücrenin Biyolojik Amacının İncelenmesi, Postgraduate, F.TARLAK(Student), 2011

SADIKOĞLU H., Meyvelerin Dondurarak Kurutulması, Postgraduate, N.ÖZENİR(Student), 2009

Sadikoğlu H., Ata A., Polimer elektrolit yakıt hücreleri için nano boyutlu elektro-katalizör sentez ve karakterizasyonu, Postgraduate, Y.OĞUR(Student), 2009

SADIKOĞLU H., Dondurarak kurutma yöntemi ile çözünebilir çay üretimi, Postgraduate, Ö.ÖZ(Student), 2009

SADIKOĞLU H., Pozisyona bağlı difüzyon katsayısı içeren karşıt akımlı sistemlerde difüzyon işleminin modellenmesi, Postgraduate, Y.KOCA(Student), 2008

SADIKOĞLU H., Zeytin kara suyundan atoksidantların ayrıştırılması, Postgraduate, Ö.KAYHAN(Student), 2007

SADIKOĞLU H., Kesikli ve sürekli sistemde geliştirilmiş nişastanın reolojik özelliklerinin Karşılaştırılması, Postgraduate, M.KARA(Student), 2007

SADIKOĞLU H., Atık uzaklaştırma sistemlerinde enerji geri kazanımı, Postgraduate, Ç.BENGÜL(Student), 2007

SADIKOĞLU H., Sulu Ranyant Sistemler, Postgraduate, İ.A.(Student), 2007

SADIKOĞLU H., Yarı Mamül Politetrafloroetilenin Saf ve Alaşım Olarak Üretiminde Basınç Etkisinin Belirlenmesi, Postgraduate, A.GÜL(Student), 2007

SADIKOĞLU H., Bir Sanayi Bölgesi İçin Kojenarasyonla Elektrik, Buhar ve Sıcak Su Üretiminin Termodinamiksel Analizi, Postgraduate, S.GÜL(Student), 2005

SADIKOĞLU H., Karşıt Akımlı Sistemlerde Difüzyon İşleminin Matematiksel Modellenmesi, Postgraduate, D.ŞEN(Student), 2005

SADIKOĞLU H., Gaz Türbinli Bileşik Isı-Güç Üretim Sisteminin Termodinamik Çözümlemesi, Postgraduate, Ç.TEKELİ(Student), 2003

SADIKOĞLU H., Güneş Enerjisi ile Kurutma, Postgraduate, İ.DÜZER(Student), 2003

SADIKOĞLU H., Isı Transferi Denklemlerinin Çeşitli Sayısal Yöntemlerle Çözülmesi, Postgraduate, R.Gürkan(Student), 2002

Jury Memberships

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2021

Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, July, 2021

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, June, 2021

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, May, 2021

Appointment Academic Staff, Appointment Academic Staff, Yıldız Teknik Üniversitesi, January, 2021
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, September, 2020
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, September, 2020
Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, August, 2020
Competition, TÜBİTAK LİSELER ARASI PROJE YARIŞMASI, Yıldız Teknik Üniversitesi, February, 2020
Appointment Academic Staff, Appointment Academic Staff, Yeditepe Üniversitesi, January, 2020
Award, TÜBA-GEDİP ÖDÜLLERİ, TURKISH ACADEMY OF SCIENCE, October, 2019
Appointment Academic Staff, Appointment Academic Staff, Gebze Teknik Üniversitesi, October, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, SINAV JÜRİSİ, GEBZE TEKNİK ÜNİVERSİTESİ, May, 2019
Associate Professor Exam, SINAV JÜRİSİ, İNÖNÜ ÜNİVERSİTESİ, April, 2019
Associate Professor Exam, SINAV JÜRİSİ, YALOVA ÜNİVERSİTESİ, April, 2019
Appointment Academic Staff, PROFESÖRLÜK KADROSUNA ATAMA, FIRAT ÜNİVERSİTESİ, March, 2019
Appointment Academic Staff, Dr. Öğretim Üyesi Atama, GEBZE TEKNİK ÜNİVERSİTESİ, January, 2019
Doctorate, TEZ SAVUNMA (DOKTORA), GEBZE TEKNİK ÜNİVERSİTESİ, January, 2019
Appointment Academic Staff, Profesör Atama Jüresi, YEDİTEPE ÜNİVERSİTESİ, August, 2018
Doctorate, Tez Savunma Jürisi, YEDİTEPE ÜNİVERSİTESİ, May, 2018
Appointment Academic Staff, Yrd. Doç Atama , GEBZE TEKNİK ÜNİVERSİTESİ, March, 2018
Doctorate, Tez Savunma Jürisi, GEBZE TEKNİK ÜNİVERSİTESİ, February, 2018
Doctorate, Tez Savunma Jürisi, GEBZE TEKNİK ÜNİVERSİTESİ, January, 2018
Doctorate, Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, January, 2018
Appointment Academic Staff, Yrd. Doç Atama , ONDOKUZ MAYIS ÜNİVERSİTESİ, December, 2017
Doctorate, Tez Savunma Jürisi, YEDİTEPE ÜNİVERSİTESİ, May, 2017
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2016
Award, TÜBİTAK TEZ YARIŞMASI, BİLİM VE SANAYİ BAKANLIĞI, October, 2016
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2016
Doctorate, Tez Savunma Jürisi, İSTANBUL ÜNİVERSİTESİ, June, 2016
Associate Professor Exam, Doçentlik Sınavı, ORTA DOĞU TEKNİK ÜNİVERSİTESİ, May, 2016
Appointment Academic Staff, Profesör Atama Jüresi, AVRASYA ÜNİVERSİTESİ, April, 2015
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2013
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2011
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2009

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

- I. **Development of a Hybrid Renewable Energy System with Co-Firing Option**
Kirim Y., SADIKOĞLU H., Melikoglu M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (Journal Indexed in SCI)
- II. **Optimization of mechanical and antioxidant properties of edible film based on grape juice and cross-linked maize starch and evaluation of its effects on the storage quality of fresh-cut pineapple**
Yildirim-Yalcin M., Sadıkoğlu H., Seker M.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, 2021 (Journal Indexed in SCI)
- III. **Optimization of megakaryocyte trapping for platelet formation in microchannels**
Baydar Atak G., İnsel M. A. , Oruc M. E. , Sadıkoğlu H.
Chemical Industry & Chemical Engineering Quarterly, vol.27, no.1, 2021 (Journal Indexed in SCI Expanded)
- IV. **Characterization of edible film based on grape juice and cross-linked maize starch and its effects on the storage quality of chicken breast fillets**

Yıldırım-Yalçın M., Sadıkoğlu H., Şeker M.

LWT, vol.142, 2021 (Journal Indexed in SCI)

- V. **Development and characterization of edible films based on modified corn starch and grape juice**
Yıldırım-Yalçın M., ŞEKER M., SADIKOĞLU H.
FOOD CHEMISTRY, vol.292, pp.6-13, 2019 (Journal Indexed in SCI)
- VI. **Comparison of the different artificial neural networks in prediction of biomass gasification products**
YÜCEL Ö., AYDIN E., SADIKOĞLU H.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.11, pp.5992-6003, 2019 (Journal Indexed in SCI)
- VII. **Response surface methodology for evaluation of the effects of screw speed, feed moisture and xanthan gum level on functional and physical properties of corn half products**
GÜMÜŞAY Ö., ŞEKER M., SADIKOĞLU H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.111, pp.622-631, 2019 (Journal Indexed in SCI)
- VIII. **Experimental study on hydrogen-rich syngas production via gasification of pine cone particles and wood pellets in a fixed bed downdraft gasifier**
AYDIN E., YÜCEL Ö., SADIKOĞLU H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.32, pp.17389-17396, 2019 (Journal Indexed in SCI)
- IX. **Synthesis and characterization of antimicrobial polylactide via ring-opening polymerization and click chemistry methods**
Aynali F., DOĞANCI E., Doruk T., SADIKOĞLU H.
POLYMER INTERNATIONAL, vol.68, no.3, pp.385-393, 2019 (Journal Indexed in SCI)
- X. **Numerical and experimental investigation of hydrogen-rich syngas production via biomass gasification**
Aydin E. S. , Yucel O., Sadikoglu H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.2, pp.1105-1115, 2018 (Journal Indexed in SCI)
- XI. **Assessment of CO₂ reduction techniques of cement production in Turkey**
Rende K., Ercan O., Hilmioglu B., Ergenekon P., SADIKOĞLU H.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.16, no.1, pp.18-38, 2018 (Journal Indexed in SCI)
- XII. **Development of a semi-empirical equilibrium model for downdraft gasification systems**
Aydin E. S. , Yucel O., Sadikoglu H.
ENERGY, vol.130, pp.86-98, 2017 (Journal Indexed in SCI)
- XIII. **Modelling and simulation of a moving interface problem: freeze drying of black tea extract**
Aydin E. S. , Yucel O., Sadikoglu H.
HEAT AND MASS TRANSFER, vol.53, no.6, pp.2143-2154, 2017 (Journal Indexed in SCI)
- XIV. **Freeze drying of turkey breast meat: Mathematical modeling and estimation of transport parameters**
Cumhur O., Seker M., Sadikoglu H.
DRYING TECHNOLOGY, vol.34, no.5, pp.584-594, 2016 (Journal Indexed in SCI)
- XV. **FREEZE-DRYING KINETICS AND DIFFUSION MODELING OF SAFFRON (CROCUS SATIVUS L.)**
ACAR B., Sadikoglu H., DOYMAZ İ.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.39, no.2, pp.142-149, 2015 (Journal Indexed in SCI)
- XVI. **The role of flexibility and optimality in the prediction of intracellular fluxes of microbial central carbon metabolism**
Tarlak F., Sadikoglu H., Cakir T.
MOLECULAR BIOSYSTEMS, vol.10, no.9, pp.2459-2465, 2014 (Journal Indexed in SCI)
- XVII. **Sparsity as Cellular Objective to Infer Directed Metabolic Networks from Steady-State Metabolome Data: A Theoretical Analysis**
Oksuz M., Sadikoglu H., Cakir T.
PLOS ONE, vol.8, no.12, 2013 (Journal Indexed in SCI)
- XVIII. **Network Inference via Computational Analysis of Metabolome Data**
Oksuz M., Sadikoglu H., Cakir T.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XIX. **Role of Flexibility and Minimal Enzyme Production in the Prediction of Intracellular Fluxes of**

Microorganisms

Tarлак F., Sadikoglu H., Cakir T.

NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)

- XX. **Freeze Drying of Saffron (*Crocus sativus* L.)**
ACAR B., Sadikoglu H., ÖZKAYMAK M.
DRYING TECHNOLOGY, vol.29, no.14, pp.1622-1627, 2011 (Journal Indexed in SCI)
- XXI. **Solution of counter diffusion problem with position dependent diffusion coefficient by using variational methods**
YukseK K., Koca Y., Sadikoglu H.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.232, no.2, pp.285-294, 2009 (Journal Indexed in SCI)
- XXII. **A mathematical model for potassium sorbate diffusion through whey protein films**
Sadikoglu H., SEN D., OZDEMIR M.
DRYING TECHNOLOGY, vol.24, no.1, pp.21-29, 2006 (Journal Indexed in SCI)
- XXIII. **Freeze-drying of pharmaceutical products: Research and development needs**
Sadikoglu H., OZDEMIR M., SEKER M.
DRYING TECHNOLOGY, vol.24, no.7, pp.849-861, 2006 (Journal Indexed in SCI)
- XXIV. **Optimal control of the secondary drying stage of freeze drying of solutions in vials using variational calculus**
Sadikoglu H.
DRYING TECHNOLOGY, vol.23, pp.33-57, 2005 (Journal Indexed in SCI)
- XXV. **Properties of cross-linked starch produced in a single screw extruder with and without a mixing element**
SEKER M., Sadikoglu H., HANNA M.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.27, no.1, pp.47-63, 2004 (Journal Indexed in SCI)
- XXVI. **Phosphorus binding to starch during extrusion in both single- and twin-screw extruders with and without a mixing element**
SEKER M., Sadikoglu H., OZDEMIR M., HANNA M.
JOURNAL OF FOOD ENGINEERING, vol.59, no.4, pp.355-360, 2003 (Journal Indexed in SCI)
- XXVII. **Optimal control of the primary drying stage of freeze drying of solutions in vials using variational calculus**
Sadikoglu H., Ozdemir M., Seker M.
DRYING TECHNOLOGY, vol.21, no.7, pp.1307-1331, 2003 (Journal Indexed in SCI)
- XXVIII. **Cross-linking of starch with reactive extrusion and expansion of extrudates**
SEKER M., Sadikoglu H., OZDEMIR M., HANNA M.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.6, no.3, pp.473-480, 2003 (Journal Indexed in SCI)
- XXIX. **Use of UNIFAC in the prediction of water activity values of aqueous polyol solutions**
OZDEMIR M., Sadikoglu H.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.23, no.2, pp.109-120, 1999 (Journal Indexed in SCI)
- XXX. **Surface treatment of food packaging polymers by plasmas**
OZDEMIR M., YURTERI C., Sadikoglu H.
FOOD TECHNOLOGY, vol.53, no.4, pp.54-58, 1999 (Journal Indexed in SCI)
- XXXI. **Estimation of the effect of product shrinkage on the drying times, heat input and condenser load of the primary and secondary drying stages of the lyophilization process in vials**
Sadikoglu H., LIAPIS A., CROSSER O., BRUTTINI R.
DRYING TECHNOLOGY, vol.17, no.10, pp.2013-2035, 1999 (Journal Indexed in SCI)
- XXXII. **Physical polymer surface modification methods and applications in food packaging polymers**
OZDEMIR M., YURTERI C., Sadikoglu H.
CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION, vol.39, no.5, pp.457-477, 1999 (Journal Indexed in SCI)
- XXXIII. **Frontal chromatography of proteins: The effect on column performance of the restricted diffusion of molecules in porous chromatographic adsorbents**

- LIAPIS A., Sadikoglu H., CROSSER O.
JOURNAL OF CHROMATOGRAPHY A, vol.828, pp.345-356, 1998 (Journal Indexed in SCI)
- XXXIV. **Characterization of rheological properties of systems containing sugar substitutes and carrageenan**
OZDEMIR M., Sadikoglu H.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.33, no.5, pp.439-444, 1998 (Journal Indexed in SCI)
- XXXV. **A new and emerging technology: Laser-induced surface modification of polymers**
OZDEMIR M., Sadikoglu H.
TRENDS IN FOOD SCIENCE & TECHNOLOGY, vol.9, no.4, pp.159-167, 1998 (Journal Indexed in SCI)
- XXXVI. **Dynamic pressure rise in the drying chamber as a remote sensing method for monitoring the temperature of the product during the primary drying stage of freeze drying**
LIAPIS A., Sadikoglu H.
DRYING TECHNOLOGY, vol.16, no.6, pp.1153-1171, 1998 (Journal Indexed in SCI)
- XXXVII. **Optimal control of the primary and secondary drying stages of bulk solution freeze drying in trays**
Sadikoglu H., Liapis A., Crosser O.
DRYING TECHNOLOGY, vol.16, pp.399-431, 1998 (Journal Indexed in SCI)
- XXXVIII. **Mathematical modelling of the primary and secondary drying stages of bulk solution freeze-drying in trays: Parameter estimation and model discrimination by comparison of theoretical results with experimental data**
Sadikoglu H., LIAPIS A.
DRYING TECHNOLOGY, vol.15, pp.791-810, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Dondurarak Kurutma Teknolojisi ve Evreleri**
SADIKOĞLU H., OZDEMIR M.
GIDA, vol.28, no.6, pp.643-649, 2003 (Other Refereed National Journals)
- II. **Dondurarak Kurutma Teknolojisi**
SADIKOĞLU H., OZDEMIR M.
TERMOKLİMA, vol.103, pp.53-61, 2001 (Other Refereed National Journals)

Books & Book Chapters

- I. **Numerical Investigation of Fixed Bed Downdraft Woody Biomass Gasification**
AYDIN E. S., YÜCEL Ö., SADIKOĞLU H.
in: Exergetic, Energetic and Environmental Dimensions, İbrahim Dincer, Can Ozgur Colphan, ve Ozgur Kizilkan, Editor, Elsevier, Hollanda, pp.566-580, 2018
- II. **SPRAY FREEZE DRYING**
SADIKOĞLU H.
in: SPRAY DRYING TECCNOLOGY, WOO M.W., DAUD WRW, MUJUMDAR A.S., Editor, Natioanal University Of Singapore, Singapur, pp.157-182, 2010
- III. **Yüksek Performanslı Bilişim,1.Ulusal YPBS 2002**
SEVİLGİN E., SADIKOĞLU H.
Gebze Yüksek Teknoloji Enstitüsü, Kocaeli, 2002

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of different drying methods on the quality of dried Serapias vomeracea**

Bilgiç B., Baydar Atak G., Sadıkoğlu H.

International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020, pp.17

II. **Fabrication of a microchip with sub-10 microns for platelet formation from megakaryocyte**

Baydar Atak G., Omeroglu S., Sadıkoğlu H., Oruç M. E.

2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020, pp.416

III. **"Employing of Hydrophobic Membrane for Collecting of Gases in the Planar Electrolyzer,"**

Meşe N., Sadıkoğlu H., Oruç M. E.

2nd International Congress of Academic Research, Bolu, February 2020., Bolu, Turkey, 4 - 06 February 2020, pp.2-10

IV. **THEORETICAL INVESTIGATION OF FREEZE-DRYING**

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