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Education Information

Doctorate, Ankara University, Fen Fakültesi, Turkey 1980 - 1983
Postgraduate, Michigan Technological University, United States Of America 1977 - 1979
Undergraduate, Bogazici University, Faculty Of Basıc Scıences, Kimya Pr., Turkey 1972 - 1977

Dissertations

Doctorate, Karbondioksit gazının karbonat tamponuna katalitik absorpsiyonunun ve desorpsiyonunun kinetiği, Ankara University, Fen Fakültesi, 1983
Postgraduate, A study of the thermal conductivity of the clathrate tetra n-butyl ammonium floride, Michigan Technological University, 1979

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, 2000 - Continues

Advising Theses

Saraçoğlu N., Okur M., Controlled Drug Release From Chıtosan And Montmorıllonıte Clay Composıte, Postgraduate, F.ALTUNKAYNAK(Student), 2020
SARAÇOĞLU N., The Use Of Laccase Enzyme In The Removal Of Textıle Dyes, Postgraduate, S.RÜYA(Student), 2020
SARAÇOĞLU N., / The Preparation And Characterization Of Mesoporous Silica Drug Carrier Systems And İnvestigation Of Drug Release Kinetics, Doctorate, Z.ÖZAYDIN(Student), 2020
SARAÇOĞLU N., Evaluatıon Of Composıte Materıals Obtaıned From Pcl And Montmorıllonıte / Organo Montmorıllonıte For Food Packagıng, Postgraduate, M.ERYILMAZ(Student), 2019
SARAÇOĞLU N., Investıgatıon of bıoaccumulatıon of metal complex dyes and chromıum ıons ın textıle wastewaters by saccharomyces cerevisiae and candida tropicalis yeasts, Doctorate, M.OKUR(Student), 2011
SARAÇOĞLU N., Yüksek fırın cüruflarının sulu çözeltilerden ağır metallerin giderilmesinde kullanılması, Postgraduate, G.YILDIRIM(Student), 2010
SARAÇOĞLU N., THE USE OF BLAST FURNACE SLAG IN THE REMOVAL OF HEAVY METALS FROM AQUEOUS SOLUTIONS, Postgraduate, G.YILDIRIM(Student), 2010
SARAÇOĞLU N., THE DEVELOPMENT OF BIOCOMPOSİTE MATERIAL AND THE APPLICATION OF IT FOR TEXTİLE DYES REMEDIATION, Doctorate, A.ÇELİK(Student), 2009
SARAÇOĞLU N., Biyokompozit malzeme geliştirilmesi ve tekstil boyaları gideriminde uygulaması, Doctorate, A.ÇELİK(Student), 2009
SARAÇOĞLU N., THE UTILIZATION OF HAZELNUT SHELL FOR ETHANOL PRODUCTION, Doctorate, Y.ARSLAN(Student), 2007

SARAÇOĞLU N., Sulu ortamlardan ağır metallerin mikroorganizmalar yoluyla giderimi, Postgraduate, P.YILMAZER(Student), 2006
SARAÇOĞLU N., Farklı yöntemlerle hazırlanmış aktif çamur biyosorbentleriyle reaktif boyarmaddelerin gideriminde adsorpsiyon hız ve verimliliklerinin karşılaştırılması, Postgraduate, A.BURAK(Student), 2006
SARAÇOĞLU N., Ayçiçeği tohum kabuğu hemiselüloz hidrolizatından Pichia stipitis NRRL-124 mayası kullanılarak fermentasyonla etil alkol üretimi, Postgraduate, O.JARGALSAİKHAN(Student), 2003
SARAÇOĞLU N., Ayçiçeği tohum kabuğu hemiselüloz hidrolizatının alkole fermentasyon koşullarının ve kinetiğinin incelenmesi, Postgraduate, M.TELLİ(Student), 2003
SARAÇOĞLU N., Mısır koçanı asidik hidroliz kinetiği ve pichia stipitis ve candida shehatae mayaları ile D-ksilozdan etanol eldesi, Postgraduate, G.DİLMAÇ(Student), 1997
SARAÇOĞLU N., Batı Anadolu klinoptilolit zeolitinde Na+1-Ca+2 and Na+1 and Mg+2 iyon değişim dengesi, Postgraduate, E.TÜRKEKAL(Student), 1995
SARAÇOĞLU N., Homojen koşullarda, konsantre NaCl çözeltisinde Cu(I)'in moleküler oksijenle oksidasyonunun kinitiğinin incelenmesi, Postgraduate, A.KAYA(Student), 1992

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Controlled release of paroxetine from chitosan/montmorillonite composite films**
Altunkaynak F., OKUR M., SARAÇOĞLU N.
Journal of Drug Delivery Science and Technology, vol.68, 2022 (SCI-Expanded)

II. **Improvement of mechanical, thermal and antimicrobial properties of organically modified montmorillonite loaded polycaprolactone for food packaging**
Eryılmaz Seyrek M., Okur M., Saraçoğlu N.
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.27, no.4, pp.894-908, 2021 (SCI-Expanded)

III. **Removal of metal-complex dye with Candida tropicalis from aqueous solutions : Growth and inhibition kinetics**
OKUR M., SARAÇOĞLU N., AKSU Z.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1399-1408, 2020 (SCI-Expanded)

IV. **Bioaccumulation and biosorption of copper(II) and chromium(III) from aqueous solutions by Pichia stipitis yeast**
Yilmazer P., SARAÇOĞLU N.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.84, no.4, pp.604-610, 2009 (SCI-Expanded)

V. **Application of Experimental Design Method for Ethanol Production by Fermentation of Sunflower Seed Hull Hydrolysate Using Pichia stipitis NRRL-124**
Jargalsaikhan O., SARAÇOĞLU N.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.196, pp.93-103, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Use of responce surface methodology for the bioaccumulation of violet 90 metal complex dye by Candida tropicalis**
Okur M., Saraçoğlu N., Aksu Z.
Turkish Journal of Engineering and Environmental Sciences, vol.38, pp.217-230, 2014 (Scopus)

II. **Ethanol Production from Sunflower Seed Hull Hydrolysate by Pichia stipitis under Uncontrolled pH Conditions in a Bioreactor**
SARAÇOĞLU N., Okur M.
Turkish Journal of Engineering and Environmental, vol.30, no.5, pp.317-322, 2007 (Peer-Reviewed Journal)

III. **Ethanol Production Sunflower Seed Hull Hydrolysate by Pichia stipitis under Uncontrolled pH**

Conditions in a Bioreactor
OKUR M., SARAÇOĞLU N.
Turkish Journal of Engineering and Environmental Sciences, vol.30, no.5, pp.317-322, 2006 (Scopus)

IV. **Fermentative Performance of Candida tropicalis Kuen 1022 Yeast For D Xylose and Sunflower Seed Hull Hydrolysate in Xylitol Production**
SARAÇOĞLU N., Çavuşoğlu H.
Turkish Journal of Engineering and Environmental Sciences, vol.23, no.5, pp.433-438, 2000 (Peer-Reviewed Journal)

V. **Kinetics of dilute acid catalyzed hydrolysis of corn cob hemicellulose at 98**
SARAÇOĞLU N., Mutlu F.
Qafqaz University, vol.1, pp.92-102, 1997 (Peer-Reviewed Journal)

VI. **NaClO3 VE KBrO3 IN KARBONDİOKSİTİNKARBONATLI TAMPON ÇÖZELTİLERDEKİ REAKSİYONU İÇİNKATALİTİK ETKİSİNİN ARAŞTIRILMASI**
SARAÇOĞLU N., Erdoğan A.
Gazi Üniv. Müh. Mim. Fak. Der., vol.5, pp.1-10, 1990 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Preparation of Polycaprolacton/Polyethylene/Montmorilonite Nanofibers by Electrospinning**
KIZILIRMAK T., SARAÇOĞLU N., OKUR M.
1st International Conference on Engineering and Applied Natural Sciences, Turkey, 10 - 13 May 2022

II. **Pre-Treatment of Sunflower Seeds Hulls With Deep Eutectic Solvents Before Enzymatic Hydrolysis**
ÇETİNKAYA M., OKUR M., SARAÇOĞLU N.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020

III. **Degradation of textile colourants by using laccase immobilized bentonite**
TOKUCU Ö., OKUR M., SARAÇOĞLU N.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020

IV. **The Use Of Laccase Enzyme In The Removal Of Textile Dyes**
Hürmüzlü R., OKUR M., SARAÇOĞLU N.
3rd International Symposium onMultidisciplinary Studies and InnovativeTechnologies, 11 - 13 October 2019

V. **Controlled release of paroxetine from chitosan-montmorillionite nanocomposite**
Altunkaynak F., OKUR M., SARAÇOĞLU N.
2nd International Eurasian Conference onBiological and Chemical Sciences(EurasianBioChem 2019), 28 - 29 June 2019

VI. **CHARACTERIZATION STUDIES OF POLYCAPROLACTONE AND CLAY BASED NANOCOMPOSITE MATERIAL**
Eryılmaz M., OKUR M., SARAÇOĞLU N.
1 MAYIS ULUSLARARASI SOSYAL POLİTİKALAR VE BİLİMSEL ARAŞTIRMALAR KONGRESİ, 01 May 2019

VII. **Synthesis and characterization of mesoporous SBA-15 silica material for the poorly water-soluble drug, Nimesulide**
ÖZAYDIN Z., SARAÇOĞLU N., BALCI F. S.
International Eurasian Conference on Biological and Chemical Sciences, EurasianBioChem 2018, 26 - 27 April 2018

VIII. **Removal of Everzol Black N dye with peanut seed**
HALICI E., SARAÇOĞLU N., OKUR M.
10.National Chemical Engineering Congress, Turkey, 3 - 06 September 2012

IX. **Removal of Reactive Blue 21 dye with peanut seed**
TEPEERİ H., SARAÇOĞLU N., OKUR M.
10.National Chemical Engineering Congress, Turkey, 3 - 06 September 2012

X. **Removal of C I Violet 90 dye with Saccharomycess cerevisiae in a batch system**
OKUR M., SARAÇOĞLU N., AKSU Z.
9. National Chemical Engineering Congress, Turkey, 22 - 25 June 2010

XI. **The effect of process conditions and different detoxification methods on ethanol production from sunflower seed hull hydrolysate with Pichia stipitis**
OKUR M., SARAÇOĞLU N.
7. National Chemical Engineering Congress, Turkey, 5 - 08 September 2006

XII. **Investigation of hydrolysis of nutshell with HCl using experimental design method**
OKUR M., SARAÇOĞLU N.
7. National Chemical Engineering Congress, Turkey, 5 - 08 September 2006

Supported Projects

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Sudaki çözünürlüğü düşük olan etkin maddeler için mezogözenekli SBA-15 silika malzemesinin destek özelliğinin araştırılması, 2017 - 2019
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil endüstrisi atıksularındaki kromun Candida tropicalis mayasıyla gideriminin kesikli sistemde araştırılması, 2011 - 2016
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil endüstrisi atıksularındaki boyarmaddelerin Candida tropicalis mayasıyla gideriminin kesikli sistemde araştırılması, 2009 - 2010
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil Endüstrisi Atıksularındaki Boyarmaddelerinin Saccharomyces Cerevisiae ve Pichia Stipitis Mayalarıyla Gideriminin Araştırılması, 2007 - 2009
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Biyokompozit Malzeme Geliştirilmesi Ve Uygulamaları, 2006 - 2008
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Glikoz D-Ksiloz ve mısır koçanı hemiselilozik hidrolizatının prehiastipitrs mayası ile alkale fermantasyonunun kinetiği, 2003 - 2005
SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-Ksilozun etanolik fermentasyonu üzerine glikoz ve mannoz eklemenin etkileri, 2001 - 2002
SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-ksilozdan mayalar yardımıyla etanol üretimine zeolit ilavesinin etkisi, 2000 - 2001
SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-Ksilozun Pichia stipitis ve condida shehatac ile fermantasyonu, 1997 - 1997
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Zeolit X de Cu-Na iyon değişimi modellenmesi., 1995 - 1995
SARAÇOĞLU N., Project Supported by Higher Education Institutions, Mısır koçanındaki ksilanların ksiloz şekerine hidrolizi ksiloz şekerinin ksilitole dönüşümü, 1993 - 1993

Metrics

Publication: 23
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