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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, Temel Bilimler Fakültesi, 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., Kitosan ve montmorillonit kili kompoziti ile kontrollü ilaç salımı, Postgraduate, F.ALTUNKAYNAK(Student), 2020

SARAÇOĞLU N., Mezogözenekli silika ilaç taşıyıcı sistemlerin hazırlanması, karakterizasyonu ve ilaç salım kinetiğinin incelenmesi, Doctorate, Z.ÖZAYDIN(Student), 2020

SARAÇOĞLU N., LAKKAZ ENZİMİNİN TEKSTİL BOYAR MADDELERİNİN GİDERİMİNDE KULLANILMASI, Postgraduate, S.RÜYA(Student), 2020

SARAÇOĞLU N., Investigation of bioaccumulation of metal complex dyes and chromium ions in textile wastewaters by saccharomyces cerevisiae and candida tropicalis yeasts, Doctorate, M.OKUR(Student), 2011

SARAÇOĞLU N., THE USE OF BLAST FURNACE SLAG IN THE REMOVAL OF HEAVY METALS FROM AQUEOUS SOLUTIONS, Postgraduate, G.YILDIRIM(Student), 2010

SARAÇOĞLU N., Yüksek fırın cürufklarının sulu çözeltilerden ağır metallerin giderilmesinde kullanılması, Postgraduate, G.YILDIRIM(Student), 2010

SARAÇOĞLU N., THE DEVELOPMENT OF BIOCOMPOSITE MATERIAL AND THE APPLICATION OF IT FOR TEXTİLE DYES REMEDIATION, Doctorate, A.ÇELİK(Student), 2009

SARAÇOĞLU N., Biyokompozit malzeme geliştirilmesi ve tekstil boya ları gideriminde uygulaması, Doctorate, A.ÇELİK(Student), 2009

SARAÇOĞLU N., THE UTILIZATION OF HAZELNUT SHELL FOR ETHANOL PRODUCTION, Doctorate, Y.ARSLAN(Student), 2007

SARAÇOĞLU N., Farklı yöntemlerle hazırlanmış aktif çamur biyosorbentleriyle reaktif boyarmaddelerin gideriminde adsorpsiyon hız ve verimliliklerinin karşılaştırılması, Postgraduate, A.BURAK(Student), 2006

SARAÇOĞLU N., Sulu ortamlardan ağır metallerin mikroorganizmalar yoluyla giderimi, Postgraduate, P.YILMAZER(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

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

- I. **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, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Use of response 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 (Refereed Journals of Other Institutions)
- II. **Ethanol Production from Sunflower Seed Hull Hydrolysate by *Pichia stipitis* under Uncontrolled pH Conditions in a Bioreactor**
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Turkish Journal of Engineering and Environmental, vol.30, no.5, pp.317-322, 2007 (Other Refereed National Journals)
- III. **Ethanol Production Sunflower Seed Hull Hydrolysate by *Pichia stipitis* under Uncontrolled pH Conditions in a Bioreactor**
OKUR M., SARAÇOĞLU N.

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- 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 (Other Refereed National Journals)
- 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 (Other Refereed National Journals)
- 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 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **The Use Of Laccase Enzyme In The Removal Of Textile Dyes**
Hürmüzlü R., OKUR M., SARAÇOĞLU N.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, 11 - 13 October 2019
- IV. **Controlled release of paroxetine from chitosan-montmorillonite nanocomposite**
Altunkaynak F., OKUR M., SARAÇOĞLU N.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **Removal of C I Violet 90 dye with Saccharomyces cerevisiae in a batch system**
OKUR M., SARAÇOĞLU N., AKSU Z.
9. National Chemical Engineering Congress, Turkey, 22 - 25 June 2010
- X. **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

XI. 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 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil endüstrisi atıksularındaki boyarmaddelerin Candida tropicalis mayasıyla gideriminin kesikli sistemde araştırılması, 2009 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil Endüstrisi Atıksularındaki Boyarmaddelerinin Saccharomyces Cerevisiae ve Pichia Stipitis Mayalarıyla Gideriminin Araştırılması, 2007 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Biyokompozit Malzeme Geliştirilmesi Ve Uygulamaları, 2006 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Glikoz D-Ksiloz ve mısır koçanı hemiselilozik hidrolizatının prehiastipitrs mayası ile alkale fermantasyonunun kinetiği, 2003 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-Ksilozun etanolik fermentasyonu üzerine glikoz ve mannoz eklemenin etkileri, 2001 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-ksilozdan mayalar yardımıyla etanol üretimine zeolit ilavesinin etkisi, 2000 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, D-Ksilozun Pichia stipitis ve candida shehatac ile fermantasyonu, 1997 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Zeolit X de Cu-Na iyon değişimi modellenmesi, 1995 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Mısır koçanındaki ksilanların ksiloz şekerine hidrolizi ksiloz şekerinin ksilitole dönüşümü, 1993 - Continues

SARAÇOĞLU N., Project Supported by Higher Education Institutions, Tekstil endüstrisi atıksularındaki kromun Candida tropicalis mayasıyla gideriminin kesikli sistemde araştırılması, 2011 - 2016

Citations

Total Citations (WOS):36

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