

Prof. Fatoş Yüksel Güvenilir

Personal Information

Fax Phone: [+90 212 285 3425](tel:+902122853425)

Email: avcibasi@itu.edu.tr

Web: <http://yuksel-guvenilir.blogspot.com.tr/>

Address: İTÜ Kimya Metalurji Fakültesi Kimya Mühendisliği Bölümü Maslak İstanbul 34469

Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1986 - 1991

Postgraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1983 - 1985

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1978 - 1983

Foreign Languages

English

Dissertations

Doctorate, Domuz ciğeri ve Bezelye Tohumundan Diamino Oksidaz enziminin izolasyonu ve saflaştırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği/ Temel İşlemler, 1991

Postgraduate, Fermentasyonla Aseton Butanol Üretimi, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 1985

Research Areas

Technical Sciences, Chemical Engineering and Technology, Biotechnology, Biochemical Reaction Engineering, Enzyme Engineering, Chemical Technologies, Polymer Technology, Basic Operations and Thermodynamics, Separation Operations

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 2007 - Continues

Associate Professor, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 1996 - 2007

Assistant Professor, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 1991 - 1996

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 1986 - 1991

Academic and Administrative Experience

Bölüm Stratejik Plan Komisyonu Üyesi, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 2018 - Continues

Member of the Commission, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2018 - Continues
İstanbul Teknik Üniversitesi, Kimya Metalurji, Kimya Müh, 2017 - Continues
İstanbul Teknik Üniversitesi, Kimya Metalurji, Kimya Müh, 2016 - Continues
Fakülte Kurulu Üyesi, Istanbul Technical University, Kimya-Metalurji, 2016 - Continues
Member of the Commission, Istanbul Technical University, Fen Bilimleri Enstitüsü, Program Yürütme Kurulu Üyesi, 2015 - Continues
İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 2009 - 2015
İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 2009 - 2015
Fakülte Yönetim Kurulu Üyesi, Istanbul Technical University, Kimya-Metalurji, 2002 - 2005
İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 1999 - 2003

Courses

Uzmanlık alan dersi, Doctorate, 2017 - 2018, 2018 - 2019
Biyoteknolojik uygulamalar, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019
uzmanlık alan dersi, Postgraduate, 2017 - 2018, 2018 - 2019
Endüstriyel Enzimoloji, Postgraduate, 2017 - 2018, 2018 - 2019
Bitirme Ödevi, Undergraduate, 2018 - 2019
Biyokatalizörle ve Karakterizasyonu, Undergraduate, 2018 - 2019
Biopolymers, Doctorate, 2017 - 2018, 2018 - 2019
Uzmanlık dersi, Postgraduate, 2018 - 2019
Yüksek Lisans Uzmanlık Dersi, Postgraduate, 2017 - 2018
Biyokatalizörler ve karakterizasyonu, Undergraduate, 2017 - 2018
Endüstriyel Enzimoloji, Postgraduate, 2016 - 2017
Doktora uzmanlık Dersi, Doctorate, 2017 - 2018
Enzim Kinetiği, Postgraduate, 2017 - 2018
BİOPOLYMERS, Doctorate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
KÜTLE ENERJİ DENKLİKLERİ, Undergraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

Advising Theses

Güvenilir F. Y. , BIOPOLYESTER / NATURAL POLYMER BLENDS FOR BIOMEDICAL APPLICATIONS, Doctorate, C.ÜLKER(Student), 2022
Güvenilir F. Y. , CONTROLLED RELEASE OF TETRACYCLINE HYDROCHLORIDE FROM COPOLYMER/GELATIN NANOFIBERS, Postgraduate, A.Metin(Student), 2020
Güvenilir F. Y. , Synthesis of Polycaprolactone by Lipase Enzyme Immobilized on an Inorganic Material,, Postgraduate, Ş.Ercan(Student), 2019
Güvenilir F. Y. , Effect of Silanization Agent on the Development of Nanohybrid Systems, Postgraduate, M.Akkulak(Student), 2019
Güvenilir F. Y. , Step-growth polymerization of formaldehyde with amine monomers for preparing monolithic capillary columns, Postgraduate, S.Özmen(Student), 2018
Güvenilir F. Y. , Enzimatik polimerizasyon yöntemi ile Polivalerolakton sentezi ve karakterizasyonu, Postgraduate, Z.Gök(Student), 2018
Güvenilir F. Y. , POLYMERIZATION OF γ -CAPROLACTONE BY AN ENZYMATIC CATALYST IMMOBILIZED ON A MODIFIED SILICA BASED MATERIAL, Postgraduate, E.Ulu(Student), 2018
Güvenilir F. Y. , CALB (Candida antarctica lipase B) IMMOBILIZATION ON APTMS-ACTIVATED CARRIER VIA CROSS-LINKING METHOD, Postgraduate, S.Süha(Student), 2017
Güvenilir F. Y. , Antibacterial Amphiphilic Polymers Based on Enzymatically Synthesized Polycaprolactone, Doctorate,

N.Uğur(Student), 2017
Güvenilir F. Y. , Effect of Silanization Agent on The Immobilization of Lipase on a Silica –based Support Material, Postgraduate, Y.Kaptan(Student), 2016
Güvenilir F. Y. , Improving Inlet Water Quality for Washing Machine by Using Electrochemical Application, Postgraduate, N.Ferhan(Student), 2016
Güvenilir F. Y. , Preparartion of Biocomposites Using Spray Dryer and Their Applications in Drug Delivery Systems, Doctorate, E.Özsağiroğlu(Student), 2015
Güvenilir F. Y. , Immobilization of Lipase Enzyme onto Precipitated Silica and Synthesis of Polycaprolactone, Postgraduate, N.Gökalp(Student), 2015
Güvenilir F. Y. , Immobilization of Lipase on an Inorganic Support Material and Polycaprolactone Synthesis, Postgraduate, C.Ülker(Student), 2015
Güvenilir F. Y. , Silika Esaslı Üstün Yalıtım Performansına Sahip Malzemelerin Geliştirilmesi ve Karakterizasyonu, Postgraduate, C.Öney(Student), 2014
Güvenilir F. Y. , Polikaprolakton-Polietilen Glikol- Kitosan Bazlı Mikrokürecik Üretimi ve Kontrollü İlaç Salınımında Kullanılması için Ön Çalışma, Postgraduate, E.Nur(Student), 2014
Güvenilir F. Y. , Enzimatik Polikaprolakton-Polietilenglikol Kopolimerizasyonu ve Çeşitli Parametre Değişikliklerinin Etkisinin İncelenmesi, Postgraduate, T.Tuğlu(Student), 2013
Güvenilir F. Y. , Yemekhane Atıklarından Poli(L-Laktik Asit)'in Enzimatik Polimerizasyonu ve Sentezlenen Polimerin Karakterizasyonu ve Biyobozundurulması, Doctorate, D.Omay(Student), 2010
Güvenilir F. Y. , Kovalent Bağlanma ve Fiziksel Adsorbsiyon Metotları ile Proteaz Enziminin İmmobilizasyonu, Postgraduate, C.Kasavi(Student), 2006
Güvenilir F. Y. , Proteaz Enziminin Fiziksel Adsorbsiyon, Kovalent ve İyonik Bağlanma Metotları ile İmmobilizasyonu, Postgraduate, Ç.Taşdelen(Student), 2006
Güvenilir F. Y. , Partial Purification and Characterization of Alkaline Proteases from Isolated Bacillus Strains, Postgraduate, M.Hale(Student), 2005
Güvenilir F. Y. , Morina Balığı Karaciğer Yağından Enzimatik Hidroliz İle Dokosa Hekzanoik Asidin Zenginleştirilmesi Üzerinde Enzim Miktarı ve Sürenin Etkisi, Postgraduate, T.Yaşar(Student), 2004
Güvenilir F. Y. , Morina Balığı Karaciğer Yağından Enzimatik Hidroliz İle Dokosa Hekzanoik Asidin Zenginleştirilmesi Üzerinde pH ve Sıcaklığın Etkisi, Postgraduate, Ö.Şirin(Student), 2004
Güvenilir F. Y. , Bacillus subtilis ve Bacillus cereus Bakterilerinden Proteaz Enziminin Kısmi Saflaştırılması ve Özelliklerinin İncelenmesi Karakterizasyonu, Postgraduate, E.Orhan(Student), 2003
Güvenilir F. Y. , Isırgan Otunun Ekstraksiyonu, Postgraduate, S.Karakaş(Student), 2003
Güvenilir F. Y. , Proteaz Enziminin Bacillus subtilis megaterium ve Bacillus polymxa Bakteri Türlerinden Kısmi Saflaştırılması ve Özelliklerinin İncelenmesi, Postgraduate, A.Gerze(Student), 2003
Güvenilir F. Y. , Sarımsak Filizinden Asit Fosfatazın Kısmi Saflaştırılması, Kinetik Parametrelerinin İncelenmesi, Postgraduate, D.Saloğlu(Student), 2001
Güvenilir F. Y. , Hardal Tohumu Filizinden Asit Fosfatazın Kısmi Saflaştırılması, Postgraduate, Y.Aykanat(Student), 2001
Güvenilir F. Y. , Patates'den Asit Fosfatazın Kısmi Saflaştırılması, Postgraduate, E.Aykanat(Student), 2001
Güvenilir F. Y. , Sarımsak Filizinden Asit Fosfatazın Kısmi Saflaştırılması ve Özelliklerinin İncelenmesi, Postgraduate, S.Bazarov(Student), 2000
Güvenilir F. Y. , Bitkisel Kaynaklardan Enzim İzolasyonu, Postgraduate, S.Özgen(Student), 1996
Güvenilir F. Y. , Kireç-Denizsuğu Prosesi ile Alg Ayrılması, Postgraduate, A.Üresin(Student), 1996

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Beykent Üniversitesi, October, 2020
Appointment Academic Staff, Appointment Academic Staff, İstanbul Teknik Üniversitesi, July, 2020
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, July, 2020
Associate Professor Exam, Associate Professor Exam, Istanbul Technical University, February, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Istanbul Technical University,

December, 2019

Post Graduate, Post Graduate, Istanbul Technical University, December, 2019

Doctoral Examination, Doctoral Examination, Istanbul Technical University, December, 2019

Associate Professor Exam, Associate Professor Exam, Konya Technical University, December, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Istanbul Technical University, June, 2019

Doctoral Examination, Doctoral Examination, Istanbul Technical University, May, 2019

Associate Professor Exam, Associate Professor Exam, Istanbul Technical University, May, 2019

Post Graduate, Post Graduate, Istanbul Technical University, May, 2019

Post Graduate, Post Graduate, Istanbul Technical University, April, 2019

Post Graduate, Yüksek Lisans Tez Savunma, Fen Bilimleri, December, 2018

Doctoral Examination, Doktora Yeterlik, Fen Bilimleri, December, 2018

Appointment Academic Staff, Profesörlük, Yalova Üniversitesi, November, 2018

Associate Professor Exam, Doçentlik eser inceleme, Üniversitelerarası Kurul, October, 2018

Post Graduate, Tez savunma jüri, Yıldız Teknik Üniversitesi, June, 2018

Post Graduate, Tez savunma jüri, İTÜ, June, 2018

Post Graduate, Tez savunma jüri, İTÜ, June, 2018

Post Graduate, Tez savunma jüri, İTÜ, June, 2018

Post Graduate, Tez savunma jüri, İTÜ, June, 2018

Associate Professor Exam, Doçentlik Eser İnceleme, Üniversitelerarası Kurul, June, 2018

Doctoral Examination, Doktora Yeterlilik, İTÜ, May, 2018

Doctoral Examination, Doktora Yeterlilik, İTÜ, May, 2018

Appointment Academic Staff, Profesörlük, İTÜ, April, 2018

Post Graduate, Yüksek Lisans, İTÜ, February, 2018

Post Graduate, Tez savunma jüri, Yıldız Teknik Üniversitesi, February, 2018

Post Graduate, Tez savunma jüri, Fen Bilimleri Ens, December, 2017

Doctoral Examination, Doktora Yeterlilik, İTÜ, December, 2017

Post Graduate, Tez savunma jüri, Yıldız Teknik Üniversitesi, December, 2017

Doctoral Examination, Doktora Yeterlilik, İTÜ, December, 2017

Associate Professor Exam, Doçentlik sözlü, Üniversitelerarası Kurul, October, 2017

Appointment Academic Staff, Yardımcı Doçentlik yeniden atama, İzmir Yüksek Teknoloji Enstitüsü, October, 2017

Post Graduate, Tez savunma jüri, Yıldız Teknik Üniversitesi, July, 2017

Post Graduate, Tez Savunma, Yıldız Teknik Üniversitesi, June, 2017

Appointment Academic Staff, Doçentlik Atama, Hitit Üniversitesi, May, 2017

Appointment Academic Staff, Profesörlük, Piri Reis Üniversitesi, May, 2017

Doctoral Examination, Doktora Yeterlilik, İTÜ, May, 2017

Associate Professor Exam, Doçentlik Dosya Değerlendirme, ÜAK, April, 2017

Doctorate, Doktora Tez Savunma, Fen Bilimleri Ens, April, 2017

Post Graduate, Tez savunma jüri, İTÜ, January, 2017

Doctoral Examination, Jüri, İTÜ, January, 2017

Appointment Academic Staff, Profesörlük, Kocaeli Üniversitesi, December, 2016

Post Graduate, Tez Savunma, Yıldız Teknik Üniversitesi, June, 2016

Appointment Academic Staff, Yrd.Doç., İTÜ, February, 2016

Associate Professor Exam, Eser Değerlendirme, ÜAK, October, 2015

Appointment Academic Staff, Profesörlük, YÖK, December, 2014

Associate Professor Exam, Eser Aşama, ÜAK, October, 2014

Appointment Academic Staff, Yrd.Doç., İTÜ, February, 2014

Appointment Academic Staff, Profesörlük, Üniversite, December, 2013

Associate Professor Exam, Eser aşama ve Sözlü, ÜAK, April, 2013

Appointment Academic Staff, Doçent, İTÜ, February, 2013

Appointment Academic Staff, Doçentlik, İTÜ, February, 2013

Associate Professor Exam, Eser Aşama ve Sözlü, ÜAK, November, 2012

Appointment Academic Staff, Doçentlik, İTÜ, November, 2010

Appointment Academic Staff, Doçentlik, İTÜ, October, 2010

Appointment Academic Staff, Profesörlük, İTÜ, March, 2010

Appointment Academic Staff, Yrd.Doç, İTÜ, October, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Electrospun poly(ω -pentadecalactone-co- ϵ -caprolactone)/gelatin/chitosan ternary nanofibers with antibacterial activity for treatment of skin infections**
Ülker Turan C., Guvenilir Y.
European Journal of Pharmaceutical Sciences, vol.170, 2022 (Journal Indexed in SCI)
- II. **Controlled release of tetracycline hydrochloride from poly (ω -pentadecalactone-co- ϵ -caprolactone)/gelatin nanofibers**
Ülker Turan C., Yilmazer Metin A., Guvenilir Y.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.162, pp.59-69, 2021 (Journal Indexed in SCI)
- III. **Fabrication and characterization of electrospun biopolyester/gelatin nanofibers**
Ülker Turan C., Guvenilir Y.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 2021 (Journal Indexed in SCI)
- IV. **Photopolymerization of enzymatically synthesized methacrylated poly(caprolactone) with poly(ethylene glycol) macromonomer**
Kaya N. U. , Saloglu D., Guvenilir Y.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.56, no.7, pp.658-666, 2019 (Journal Indexed in SCI)
- V. **Lipase mediated synthesis of polycaprolactone and its silica nanohybrid**
Akkulak M., Kaptan Y., AYDIN Y. A. , Avcibasi Guvenilir Y.
Pure and Applied Chemistry, vol.91, no.6, pp.957-965, 2019 (Journal Indexed in SCI)
- VI. **Performance comparison of commercial and home-made lipases for synthesis of poly(δ -valerolactone) homopolymers**
Ulker C., Gok Z., Guvenilir Y.
Journal of Renewable Materials, vol.7, no.4, pp.335-343, 2019 (Journal Indexed in SCI Expanded)
- VII. **Effect of low concentration silanization agent and enzyme on the immobilization of lipase on a silica-based support material**
KECIBAS H., HOLAT E., KAPTAN Y., Gvenilir Y. A.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- VIII. **Lipase-catalyzed synthesis and characterization of poly(Ω -pentadecalactone): an alternative aliphatic polyester to poly(ϵ -caprolactone)**
Ulker C., Guvenilir Y.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- IX. **Synthesis of polyvalerolactone via enzymatic ring opening polymerization in different reaction media**
Ulker C., Gk Z., Gvenilir Y.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- X. **Effects of silanization reagent and enzyme concentrations on immobilized enzyme by activated with TMSP-DA**
Kutlu A., KAPTAN Y. K. , Guvenilir Y.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- XI. **Enzymatic Synthesis of Polycaprolactone: Effect of Immobilization Mechanism of CALB on**

Polycaprolactone Synthesis

Kaptan Y., Avcibasi-Guvenilir Y.

JOURNAL OF RENEWABLE MATERIALS, vol.6, no.6, pp.619-629, 2018 (Journal Indexed in SCI)

- XII. **Enzymatic Synthesis and Characterization of Biodegradable Poly(omega-pentadecalactone-co-epsilon-caprolactone) Copolymers**
Ulker C., Guvenilir Y.
JOURNAL OF RENEWABLE MATERIALS, vol.6, no.6, pp.591-598, 2018 (Journal Indexed in SCI)
- XIII. **Photopolymerization of acrylates by enzymatically synthesized PCL based macrophotoinitiator**
Kaya N. U. , Onen A., Guvenilir Y.
EXPRESS POLYMER LETTERS, vol.11, no.6, pp.493-503, 2017 (Journal Indexed in SCI)
- XIV. **Nanoclays for Lipase Immobilization: Biocatalyst Characterization and Activity in Polyester Synthesis**
Ozturk H., POLLET E., PHALIP V., GUEVENILIR Y., AVEROUS L.
POLYMERS, vol.8, no.12, 2016 (Journal Indexed in SCI)
- XV. **Enzymatic synthesis and characterization of polycaprolactone by using immobilized lipase onto a surface-modified renewable carrier**
Ulker C., GOKALP N., GUVENILIR Y.
Polish Journal of Chemical Technology, vol.18, no.3, pp.134-140, 2016 (Journal Indexed in SCI Expanded)
- XVI. **Enzymatic Synthesis and Characterization of Polycaprolactone by Using Free and Immobilized Lipase onto a Renewable Carrier**
Nurefsan G., Güvenilir F. Y. , Güvenilir F. Y.
Polish Journal of Chemical Technology, vol.18, no.3, pp.134-140, 2016 (Journal Indexed in SCI Expanded)
- XVII. **Production of polycaprolactone-polyethylene glycol-sodium alginate biocomposites for spray drying encapsulation of L-ascorbic acid**
Ozsagiroglu E., Guvenilir Y. A.
IRANIAN POLYMER JOURNAL, vol.25, no.9, pp.757-763, 2016 (Journal Indexed in SCI)
- XVIII. **Enhancing the properties of Candida antarctica lipase B by immobilization on precipitated silica modified with 3-aminopropyltriethoxysilane (APTES)**
Gokalp N., Ülker Turan C., Guvenilir Y.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- XIX. **Immobilization of Candida antarctica lipase B onto surface-modified rice husk ash via physical adsorption**
Ülker Turan C., Gokalp N., Guvenilir Y.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- XX. **Immobilization of Candida antarctica lipase B (CALB) on surface-modified rice husk ashes (RHA) via physical adsorption and cross-linking methods**
Ulker C., GOKALP N., Guvenilir Y.
Biocatalysis and Biotransformation, vol.34, no.4, pp.172-180, 2016 (Journal Indexed in SCI Expanded)
- XXI. **Synthesis of Polycaprolactone via Ring Opening Polymerization Catalyzed by Candida Antarctica Lipase B Immobilized onto an Amorphous Silica Support**
GÖKALP N., ÜLKER C., Güvenilir F. Y.
Journal of Polymer Materials, vol.33, no.1, pp.87-100, 2016 (Journal Indexed in SCI Expanded)
- XXII. **Synthesis of polycaprolactone via ring opening polymerization catalyzed by Candida antarctica lipase B immobilized onto an amorphous silica support**
Gokalp N., Ulker C., Guvenilir Y. A.
Journal of Polymer Materials, vol.33, no.1, pp.87-100, 2016 (Journal Indexed in SCI Expanded)
- XXIII. **Enzymatic ring-opening (co)polymerization of lactide stereoisomers catalyzed by lipases. Toward the in situ synthesis of organic/inorganic nanohybrids**
Dueskuenkorur H. O. , BEGUE A., POLLET E., PHALIP V., Guvenilir Y., AVEROUS L.
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.115, pp.20-28, 2015 (Journal Indexed in SCI)
- XXIV. **End-Group Evaluation of HEMA Initiated Poly(epsilon-caprolactone) Macromonomers via Enzymatic Ring-Opening Polymerization**

- Kaya N. U. , Guvenilir Y. A.
INTERNATIONAL JOURNAL OF POLYMER SCIENCE, 2015 (Journal Indexed in SCI)
- XXV. **Encapsulation of L-ascorbic acid via polycaprolactone-polyethylene glycol-casein bioblends**
Ozsagioglu E., Guvenilir Y. A.
POLISH JOURNAL OF CHEMICAL TECHNOLOGY, vol.17, no.4, pp.32-36, 2015 (Journal Indexed in SCI)
- XXVI. **Lipase catalyzed synthesis of polycaprolactone and clay-based nanohybrids**
Duskunkorur H. O. , POLLET E., PHALIP V., Guvenilir Y., AVEROUS L.
POLYMER, vol.55, no.7, pp.1648-1655, 2014 (Journal Indexed in SCI)
- XXVII. **Characterization on biodegradation of enzymatically synthesized polylactic acid by using alkaline protease and lipase**
Omay D., Guvenilir Y.
International Polymer Processing, vol.29, no.2, pp.221-226, 2014 (Journal Indexed in SCI Expanded)
- XXVIII. **Versatile p(3-sulfopropyl methacrylate) hydrogel reactor for the preparation of Co, Ni nanoparticles and their use in hydrogen production**
Turhan T., AVCIBASI Y. G. , ŞAHİNER N.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.19, no.4, pp.1218-1225, 2013 (Journal Indexed in SCI)
- XXIX. **Micro poly(3-sulfopropyl methacrylate) hydrogel synthesis for in situ metal nanoparticle preparation and hydrogen generation from hydrolysis of NaBH₄**
Turhan T., Guvenilir Y. A. , ŞAHİNER N.
ENERGY, vol.55, pp.511-518, 2013 (Journal Indexed in SCI)
- XXX. **Synthesis and characterization of poly(d,l-lactic acid) via enzymatic ring opening polymerization by using free and immobilized lipase**
Omay D., Guvenilir Y.
Biocatalysis and Biotransformation, vol.31, no.3, pp.132-140, 2013 (Journal Indexed in SCI Expanded)
- XXXI. **Comparing the In-Vitro Biodegradation Kinetics of Commercial and Synthesized Polycaprolactone Films in Different Enzyme Solutions**
Ozsagioglu E., IYISAN B., AVCIBASI GUVENILIR Y.
EKOLOJI, vol.22, no.86, pp.90-96, 2013 (Journal Indexed in SCI)
- XXXII. **Effects of different reaction mediums on ring opening polymerization of poly ε caprolactone by lipase**
Özsağiroğlu E., Banu İ., Güvenilir F. Y.
African Journal of Biotechnology, vol.63, no.11, pp.12688-12696, 2012 (Journal Indexed in SCI Expanded)
- XXXIII. **Lactic Acid Fermentation from Refectory Waste Factorial Design Analysis**
SALOĞLU D., Güvenilir F. Y.
African Journal of Biotechnology, vol.11, no.30, pp.7693-7700, 2012 (Journal Indexed in SCI Expanded)
- XXXIV. **Lactic Acid Fermentation from Refectory Waste**
Omay D., Guvenilir Y.
EKOLOJI, vol.20, no.80, pp.42-50, 2011 (Journal Indexed in SCI)
- XXXV. **Gold recovery from dilute gold solutions using DEAE-cellulose**
Tasdelen C., AKTAS S., Acma E., GUVENILIR Y.
HYDROMETALLURGY, vol.96, no.3, pp.253-257, 2009 (Journal Indexed in SCI)
- XXXVI. **Isolation of acid phosphatase from sweet potato and immobilization using different adsorbent**
SALOĞLU D., DEVECİ AKSOY N., Güvenilir F. Y.
JOURNAL OF BIOTECHNOLOGY, vol.118, pp.125, 2006 (Journal Indexed in SSCI)
- XXXVII. **Use of different adsorbents for sorption and Bacillus polymyxa protease immobilization**
İrem K., Cenk A., SALOĞLU D., Güvenilir F. Y.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.132, pp.1034-1040, 2006 (Journal Indexed in SSCI)
- XXXVIII. **Partial purification and characterization of protease enzyme from Bacillus subtilis megatherium**
Gerze A., Omay D., Guvenilir Y.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.121, pp.335-345, 2005 (Journal Indexed in SCI)

- XXXIX. **Partial purification and characterization of protease enzyme from *Bacillus subtilis* and *Bacillus cereus***
Orhan E., OMA Y D., Guvenilir Y.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.121, pp.183-194, 2005 (Journal Indexed in SCI)
- XL. **Partial purification and characterization of protease enzyme from *Bacillus subtilis megatherium***
Gerze A., Omay D., Guvenilir Y.
Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology, vol.121, no.1-3, pp.335-345, 2005 (Journal Indexed in SCI Expanded)
- XLI. **Partial purification and characterization of protease enzyme from *Bacillus subtilis* and *Bacillus cereus***
Orhan E., Omay D., Güvenilir Y.
Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology, vol.121, no.1-3, pp.183-194, 2005 (Journal Indexed in SCI Expanded)
- XLII. **Partial purification and kinetic characterization of acid phosphatase from garlic seedling**
Yenigün B., Güvenilir Y.
Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology, vol.107, no.1-3, pp.677-687, 2003 (Journal Indexed in SCI Expanded)
- XLIII. **Partial purification and kinetic characterization of acid phosphatase from garlic seedling**
Begüm Y., Güvenilir F. Y.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.105, pp.677-687, 2003 (Journal Indexed in SCI Expanded)
- XLIV. **Using *Clostridium acetebutylicum* 262 Production of Acetone Butanol**
Güvenilir F. Y. , DEVECİ AKSOY N.
APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.6, no.6, pp.579-0, 1996 (Journal Indexed in SCI Expanded)
- XLV. **The Isolation and Purification of Pea Seedlings and Pig Liver**
Güvenilir F. Y. , DEVECİ AKSOY N.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.56, pp.235-0, 1996 (Journal Indexed in SCI Expanded)
- XLVI. **ELEMENTAL SULFUR PRODUCTION FROM GYPSUM BY BACTERIAL LEACHING**
DEVECİ AKSOY N., Cüneyt D., Güvenilir F. Y.
BIOHYDROMETALLURGICAL TECHNOLOGIES, VOL 1: BIOLEACHING PROCESSES, vol.0, pp.605-612, 1993 (Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **Enzymatic ring opening polymerization of ϵ -caprolactone by using a novel immobilized biocatalyst**
GÖKALP N., ÜLKER C., GÜVENİLİR F. Y.
Advanced Materials Letters, vol.7, no.2, pp.144-149, 2016 (Refereed Journals of Other Institutions)
- II. **Poly (ϵ -caprolactone) synthesis by a novel enzymatic catalyst: *Candida antarctica* lipase B (CALB) immobilized on a modified silica-based material by physical adsorption**
ÜLKER C., GÖKALP N., GÜVENİLİR F. Y.
Advanced Materials Letters, vol.7, no.1, pp.54-59, 2016 (Refereed Journals of Other Institutions)
- III. **Preparation of Bioblends Using Spray Dryer and their Applications in Drug Delivery Systems**
Erhan O., HAYTA E. N. , GÜVENİLİR F. Y.
Asian Journal Of Chemistry, vol.27, pp.3734-3738, 2015 (Refereed Journals of Other Institutions)
- IV. **Enzimatik Polimerizasyon Yöntemi ile Polilaktik Asit Sentezi ve Biyobozundurulması**
SALOĞLU D., GÜVENİLİR F. Y.
İTÜ Dergisi,d, vol.10, no.2, pp.81-90, 2011 (Other Refereed National Journals)
- V. **Proteaz Enziminin Değişik Taşıyıcılarda İmmobilizasyonu**
SALOĞLU D., GÜVENİLİR F. Y.
Journal of Leather Science; Deri Bilimi, vol.1, no.1, pp.10-16, 2007 (Other Refereed National Journals)
- VI. **The isolation and purification of diamine oxidase of pea seedlings and pig liver**

Guvenilir Y., DEVECİ N.

Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology, vol.56, no.3, pp.235-241, 1996 (Refereed Journals of Other Institutions)

VII. Production of acetone-butanol-ethanol from corn mash and molasses in batch fermentation

Guvenilir Y., DEVECİ N.

Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology, vol.56, no.2, pp.181-188, 1996 (Refereed Journals of Other Institutions)

VIII. Purification and Properties of the diamine oxidase of pea seedlings

DEVECİ N., GUVENILIR Y.

Applied Biochemistry and Biotechnology, vol.53, no.1, pp.83-90, 1995 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of PCL/silica nanohybrid systems via enzyme-catalyzed ROP, (Oral sunum kabul edildi)**
Kaptan Y., Akkulak M., AYDIN Y. A. , GÜVENİLİR F. Y.
17 th Internatinal Conference Polymers and Organic Chemistry, Palavas, France, 3 - 07 June 2018
- II. **Karen Alaluf, Cansu Ulker Turan, Gunseli Ozdemir, Yuksel Guvenilir, "Chicken Feather and Olive Cake as Renewable Support Materials for Lipase Immobilization", Biopol 2019, June 17-19, 2019, Stockholm, Sweden (Poster Presentation)**
ÜLKER TURAN C., Alaluf K., ÖZDEMİR G., GÜVENİLİR F. Y.
7th International Conference on Biobased and Biodegradable Polymers (BIOPOL-2019), Stockholm, Sweden, 17 - 19 June 2019
- III. **Fabrication of Home-Made Biopolyester/Natural Polymer Nanofibers: Potential Drug Delivery Systems**
ÜLKER TURAN C., GÜVENİLİR F. Y.
7th International Conference on Biobased and Biodegradable Polymers (BIOPOL-2019), Stockholm, Sweden, 17 - 19 June 2019
- IV. **Candida antarctica B Lipazının pirinç kabuğu külü üzerine farklı yöntemler ile immobilizasyonu**
ÜLKER C., GÜVENİLİR F. Y.
Ulusal Kimya Kongresi, Cyprus (Kktc), 5 - 08 November 2018
- V. **Enzimatik halka açılması polimerizasyonu ile polipentadecalakton homopolimerleri ve poli(pentadecalakton-kaprolakton) kopolimerlerinin sentezi**
ÜLKER C., GÜVENİLİR F. Y.
Ulusal Kimya Kongresi, Cyprus (Kktc), 5 - 08 November 2018
- VI. **Enzimatik Halka Açılması Polimerizasyonu ile Polivalerolakton Sentezi ve Polimerizasyon Ortamlarının Reaksiyona Etkisinin Karşılaştırılması**
AYDIN Y. A. , Gök z., ÜLKER C., GÜVENİLİR F. Y.
Ulusal Kimya Kongresi, Cyprus (Kktc), 5 - 08 November 2018
- VII. **Candida antarctica lipaz B enziminin silika bazlı destek materyali üzerine immobilizasyonu**
Kaptan Y., GÜVENİLİR F. Y.
30. ULUSAL KİMYA KONGRESİ, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018
- VIII. **İmmobilize lipaz ile katalizlenen halka açılması polimerizasyonu ile polikaprolakton sentezi**
Yasemin K., GÜVENİLİR F. Y.
30. ULUSAL KİMYA KONGRESİ, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018
- IX. **Çapraz Bağlanma ile Lipaz İmmobilizasyonunda Silan, Enzim ve Gluteraldehit Konsantrasyonlarının Etkisi**
Kaptan Y., Akkulak M., GÜVENİLİR F. Y.
30. ULUSAL KİMYA KONGRESİ, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018
- X. **SERBEST VE İMMOBİLİZE LİPAZ ENZİMİNİN KİNETİKPARAMETRELERİNİN BELİRLENMESİ**
Gizem K., Nazlı K., ÜLKER C., GÜVENİLİR F. Y.

13. Ulusal Kimya Mühendisliği Kongresi 2018, Van, Turkey, 3 - 06 September 2018

- XI. **Epsilon kaproloaktonun enzimatik polimerleşmesi ve PKL/Pirinç Kabuğu Külü Nanohibrit Sistemlerinin Geliştirilmesi**
Akkulak M., Kaptan Y., AYDIN Y. A. , GÜVENİLİR F. Y.
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018
- XII. **Enzymatic Synthesis of Poly(ϵ -caprolactone-co- δ -valerolactone) Copolymers via Ring Opening Polymerization**
AYDIN Y. A. , Gök Z., ÜLKER C., GÜVENİLİR F. Y.
17 th Internatinal Conference Polymers and Organic Chemistry, Palavas, France, 3 - 07 June 2018
- XIII. **Enzymatic Synthesis of Polycaprolactone: Immobilization of lipase enzyme onto silica-based support material modified with 3-Trimethoxysilyl (propyl)ethylenediamine (TMSPDA) (Poster sunum kabul edildi)**
Korkan Ş. E. , Kaptan Y., GÜVENİLİR F. Y.
17 th Internatinal Conference Polymers and Organic Chemistry, Palavas, France, 3 - 07 June 2018
- XIV. **Nazlı Kezban Kapusuz, Gizem Karip Nareg İşler, Özge Akgül, Yasemin Kaptan and Yüksel Avcıbaşı Güvenilir, "Effect Of Silanization Agent And Enzyme On The Immobilization Of Lipase On A Silica-Based Support Material**
Kapusuz N. K. , Karip G., İşler N., Holat E., Kaptan Y., GÜVENİLİR F. Y.
XII th Conference on Protein Stabilization (ProtStab2018), Vilnius, Lithuania, 16 - 18 May 2018
- XV. **Enzymatic Synthesis of Polycaprolactone: Immobilization of lipase enzyme onto silica-based support material modified with 3-Trimethoxysilyl (propyl)ethylenediamine (TMSPDA)**
Korkan Ş., Kaptan Y., GÜVENİLİR F. Y.
XII th Conference on Protein Stabilization (ProtStab2018), Vilniaus, Lithuania, 16 - 18 May 2018
- XVI. **Enzymatic Polymerization of ϵ -Caprolactone and Development of Pcl/Rha Nanohybrid Systems**
Kaptan Y., Akkulak M., Aydın Y. A. , GÜVENİLİR F. Y.
XII th Conference on Protein Stabilization (ProtStab2018), Vilnius, Lithuania, 16 - 18 May 2018
- XVII. **A Simple and Sensitive Method for the Estimation ff Microbial Lipase Activity**
Kapusuz N. K. , Karip G., ÜLKER C., GÜVENİLİR F. Y.
XII th Conference on Protein Stabilization (Protstab2018), Vilniaus, Lithuania, 16 May 2018 - 18 May 2108
- XVIII. **Biopolymer Films Reinforced With MWCNTs For Tissue Engineering Applications**
GÜVENİLİR F. Y. , ÜLKER C., GÜL A.
6th International Conference on Biodegradable Polymers, 11 - 13 October 2017
- XIX. **Enzymatic Synthesis of Polycaprolactone: Effect of Immobilization Mechanism of Calb on Polycaprolactone Synthesis Presentation)**
Kaptan Y., Akan S., GÜVENİLİR F. Y.
Biopol 2017, 6th International Coference Biobased and Biodegradable Polymers, Mons, Belgium, 11 - 13 September 2017
- XX. **Immobilization of Candida Antartctica Lipase B (Calb) on Trimethoxysilylpropylethylene Diamine (Tmsp) Modified Rice Husk Ash**
Saçlıgil D., ÜLKER C., GÜVENİLİR F. Y.
Biopol 2017, 6th International Conferences on Biobased and Biodegradable Polymers, Mons, Belgium, 11 - 13 September 2017
- XXI. **Biopolymer Films Reinforced With Mwcnts for Tissue Engineering Applications**
Gul A., ÜLKER C., Kaptan Y., GÜVENİLİR F. Y.
Biopol 2017,6th International Conference on Biobased and Biodegradable Polymers, Mons, Belgium, 11 - 13 September 2017
- XXII. **Synthesis Of Polyvalerolactone Via Enzymatic Ring Opening Polymerization**
Gok Z., GÜVENİLİR F. Y.
Biopol2017, 6th International Conferences on Biobased and Biodegradable Polymers, Mons, Belgium, 11 - 13 September 2017
- XXIII. **Enzymatic Ring Opening Polymerization And Characterization Of Biodegradable Ω -Pentadecalactone-**

Co-E-Caprolactone Copolymers

ÜLKER C., GÜVENİLİR F. Y.

Biopol2017, 6 th International Conference on Biobased and Biodegradable Polymers, Mons, Belgium, 11 - 13 September 2017

- XXIV. **Polymerization of caprolactone by an Enzymatic Catalyst Candida antarctica Lipase B CALB Immobilized on a Modified Silica based Material by Physical Adsorption**
Ulu E., Kaptan Y., GÜVENİLİR F. Y.
8th International Congress on Biocatalysis, BioCat2016, Hamburg, Germany, 28 August - 01 September 2016
- XXV. **Chemical Modification and Optimum Immobilization of Candida antarctica Lipase B on Precipitated Silica by Silanization and Crosslinking Method**
GOKALP N., ÜLKER C., GÜVENİLİR F. Y.
8th International Congress on Biocatalysis, BioCat2016, Hamburg, Germany, 28 August - 01 September 2016
- XXVI. **3 aminopropyltriethoxysilane functionalized Rice Husk Ash as a support material for Candida antarctica Lipase B immobilization via Cross linking**
ÜLKER C., GOKALP N., GÜVENİLİR F. Y.
8th International Congress on Biocatalysis, BioCat2016, Hamburg, Germany, 28 August - 01 September 2016
- XXVII. **Modified rice husk ash RHA as a support material for immobilization of Candida antarctica lipase B**
Kaptan Y., Ulu E., GÜVENİLİR F. Y.
8th International Congress on Biocatalysis, BioCat2016, Hamburg, Germany, 28 August - 01 September 2016
- XXVIII. **Ring opening polymerization of caprolactone by an enzymatic catalyst Candida antarctica lipase B CALB immobilized on a modified silica based material**
ULU E., KAPTAN Y., GÜVENİLİR F. Y.
11th International Conference on Protein Stabilization, İstanbul, Turkey, 9 - 11 May 2016
- XXIX. **Stability of Candida antarctica Lipase B Immobilized onto Different Support Materials via Cross linking**
ÜLKER C., GOKALP N., GÜVENİLİR F. Y.
11th International Conference on Protein Stabilization, İstanbul, Turkey, 9 - 11 May 2016
- XXX. **Immobilization of Lipase Enzyme onto GPTMS silanized Rice Husk Ash**
KAPTAN Y., ULU E., GÜVENİLİR F. Y.
11 th International Conference on Protein Stabilization, İstanbul, Turkey, 9 - 11 May 2016
- XXXI. **Preparation of polycaprolactone polyethylene glycol sodium alginate composites using spray dryer**
Erhan Ö., GÜVENİLİR F. Y.
BIOPOL 2015, 5th International Conference on Biobased and Biodegradable Polimers, Donostia-San sebastian, Spain, 6 - 09 October 2015
- XXXII. **Encapsulation and controlled release of L ascorbic acid via biocomposites**
Erhan Ö., GÜVENİLİR F. Y.
BIOPOL 2015, 5th International Conference on Biobased and Biodegradable Polimers, Donostia San Sebastian, Spain, 6 - 09 October 2015
- XXXIII. **Enzymatically Synthesized Polycaprolactone Based Macrophotoinitiator**
Uğur Nazif K., ÖNEN H. A. , GÜVENİLİR F. Y.
BIOPOL 2015, 5th International Conference on Biobased and Biodegradable Polimers, San Sebastian, Spain, 6 - 09 October 2015
- XXXIV. **Enzymetic ring opening polymerization of caprolactone by using lipases immobilized on rice husk ash and precipitated silica by crosslinking method**
ÜLKER C., NUREFŞAN G., GÜVENİLİR F. Y. , SALOĞLU D.
'5th International Conference on Biobased and Biodegradable Polymers, 6 - 09 October 2015
- XXXV. **A comparative study of properties of lipases Immobilized onto different silica based materials via physical adsorption to polymerize polycaprolactone**
ÜLKER C., NUREFŞAN G., SALOĞLU D., GÜVENİLİR F. Y.
'5th International Conference on Biobased and Biodegradable Polymers, 6 - 09 October 2015
- XXXVI. **Immobilization of Candida antarctica Lipase onto an Amorphous Silica Support by Cross linking**

Method for Ring Opening Polymerization of caprolactone

GÖKALP N., ÜLKER C., GÜVENİLİR F. Y.

Advanced Materials World Congress (AMWC) 2015, Stockholm, Sweden, 23 - 26 August 2015

- XXXVII. **Encapsulation and Controlled Release of L Ascorbic Acid via Bioblends**
Erhan O., GÜVENİLİR F. Y.
ESB-2015, 27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015
- XXXVIII. **Preparation of Polycaprolactone Polyethylene Glycol Casein Bioblends using Spray Dryer**
Erhan Ö., GÜVENİLİR F. Y.
ESB-2015, 27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015
- XXXIX. **A Comparative Study of Properties of Lipases Immobilized onto Different Silica Based Materials via Physical Adsorption to Polymerize Polycaprolactone**
ÜLKER C., GÖKALP N., SALOĞLU D., GÜVENİLİR F. Y.
BIOPOL 2015, 5th International Conference on Biobased and Biodegradable Polimers, Donostia-San Sebastian, Spain, 6 - 09 October 2015
- XL. **Enzymatic Ring Opening Polymerization of Caprolactone by Using Lipases Immobilized On Rice Husk Ash and Precipitated Silica by Crosslinking Method**
GÖKALP N., ÜLKER C., SALOĞLU D., GÜVENİLİR F. Y.
BIOPOL 2015, 5th International Conference on Biobased and Biodegradable Polimers, Donostia-San sebastian, Spain, 6 - 09 October 2015
- XLI. **Immobilization of Candida antarctica Lipase onto an Amorphous Silica Support by Physical Adsorption Method for Ring Opening Polymerization of caprolactone**
GÖKALP N., ÜLKER C., GÜVENİLİR F. Y.
EPF 2015, European Polymer Congress, Dresden, Germany, 21 - 26 June 2015
- XLII. **Ring Opening Polymerization of caprolactone by a Novel Enzymatic Catalyst Candida antarctica Lipase CALB L Immobilized on a Modified Silica Based Material by Cross linking**
ÜLKER C., GÖKALP N., GÜVENİLİR F. Y.
EPF 2015, European Polymer Congress, Dresden, Germany, 21 - 26 June 2015
- XLIII. **Methacrylate Initiated Poly Caprolactone via Enzymatic Ring Opening Polymerization**
Kaya U. N. , GÜVENİLİR F. Y.
EPF 2015, European Polymer Congress, Dresden, Germany, 21 - 26 June 2015
- XLIV. **Preparation of Biocomposites Using Spray Dryer and Their Applications in Drug Delivery Systems**
Özsağiroğlu E., HAYTA E. N. , GÜVENİLİR F. Y.
POC2014 Polymers and Organic Chemistry, Timisoara, Romania, 10 - 13 June 2014
- XLV. **Preparation of PCL PEG Chitosan Biocomposites for L Ascorbic Acid Drug Delivery Applications**
HAYTA E. N. , Özsağiroğlu E., GÜVENİLİR F. Y.
POC2014 Polymers and Organic Chemistry, Timisoara, Romania, 10 - 13 June 2014
- XLVI. **Gold recovery from dilute gold solution using suberin as a biosorbent**
Gerone I, SALOĞLU D., GÜVENİLİR F. Y.
36th Symposium on Biotechnology for Fuels and Chemicals, Miami-Florida, 28 April - 01 May 2014
- XLVII. **Gold recovery from dilute gold solution using vermiculite as a sorbent**
Gerone I, SALOĞLU D., GÜVENİLİR F. Y.
36th Symposium on Biotechnology for Fuels and Chemicals, Miami-Florida, United States Of America, 28 April - 01 May 2014
- XLVIII. **Comparing of Ring Opening Polymerization of caprolactone by Ion Paired and Immobilized Thermomyces lanuginosa lipase**
Özsağiroğlu E., ÜLKER C., Kılıç S. M. , GÜVENİLİR F. Y.
Advanced Materials World Congress, 16 - 19 September 2013
- XLIX. **Polycaprolactone Synthesis by a New Immobilized Enzyme Thermomyces lanuginosa Lipase**
Özsağiroğlu E., ÜLKER C., Kılıç S. M. , GÜVENİLİR F. Y.
European Polymer Congress, 16 - 21 June 2013
- L. **A New Route to Ring Opening Polymerization of Caprolactone by Ion Paired Thermomyces**

lanuginosa Lipase with Hexadecylamine

Özsağıroğlu E., ÜLKER C., Kılıç S. M., GÜVENİLİR F. Y.

European Polymer Congress, 16 - 21 June 2013

- L.I. **Enzimatik polimerizasyon yöntemi ile sentezlenen PLLA'nın termal bozundurulmasının Friedman tekniği ile incelenmesi**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ, Turkey, 22 - 25 June 2010
- L.II. **Candida antarctica lipaz B ile laktik asitten Poli(L(+)) Laktik asit'in sentezi**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ, Turkey, 22 - 25 June 2010
- L.III. **Biodegradation and characterization of poly(L-lactic acid) in different medium**
Omay D., Öztürk H., Akkaya Ö., Güvenilir Y.
8th World Biomaterials Congress 2008, WBC 2008, Amsterdam, Netherlands, 28 May - 01 June 2008, vol.4, pp.2255
- L.IV. **Characteristics and kinetics of poly L lactic acid synthesis by polycondensation method**
SALOĞLU D., HALE O., GÜVENİLİR F. Y.
18th Internatinal Congress of Chemical and Process Engineering, 24 August - 28 March 2008
- L.V. **Synthesis and characterization of high molecular weight poly L lactic acid by lipase catalyzed ring opening polymerization methods**
SALOĞLU D., HALE O., GÜVENİLİR F. Y.
18th Internatinal Congress of Chemical and Process Engineering, 24 - 28 August 2008
- L.VI. **Enzymatic degradation of Poly L lactic acid**
SALOĞLU D., HALE O., CİGDEM T., GÜVENİLİR F. Y.
42nd World Polymer Congress (Macro 2008), 29 June - 04 July 2008
- L.VII. **Tatlı patatesten asit fosfatızın izolasyonu ve farklı taşıyıcılarda immobilizasyonu**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
GAP IV. TARIM KONGRESİ, Turkey, 21 - 23 September 2005
- L.VIII. **Isolation of acid phosphatase from sweet potato and immobilization using different adsorbent**
Omay D., Guvenilir Y., Devenci N.
12th European Congress on Biotechnology (ECB 12), Copenhagen, Denmark, 21 - 24 August 2005, vol.118
- L.IX. **Partial purification and characterization of protease enzyme from Bacillus subtilis megaterium bacteria**
AYŞE G., SALOĞLU D., GÜVENİLİR F. Y.
16th Internatinal Congress of Chemical and Process Engineering, 22 - 26 August 2004
- L.X. **Bacillus subtilis ve Bacillus cereus bakterilerinden proteaz enziminin kısmi saflaştırılması ve özelliklerinin incelenmesi**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
XVIII.ULUSAL KİMYA KONGRESİ, Turkey, 5 - 09 July 2004
- L.XI. **Proteaz enziminin Bacillus subtilis megaterium ve Bacillus polymxa bakteri türlerinden kısmi saflaştırılması ve özelliklerinin incelenmesi**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
XVIII.ULUSAL KİMYA KONGRESİ, Turkey, 5 - 09 July 2004
- L.XII. **Sarımsak filizinden asit fosfatızın izolasyonu ve kısmi saflaştırılması ve karakteristik ve kinetik özelliklerinin incelenmesi**
SALOĞLU DERTLİ D., GÜVENİLİR F. Y.
XVII. Ulusal Kimya Kongresi, Turkey, 8 - 11 September 2003
- L.XIII. **ELEMENTAL SULFUR PRODUCTION FROM GYPSUM BY BACTERIAL LEACHING**
DEVECİ N., DELALOĞLU C., GUVENILIR Y., DOĞAN Z.
International Biohydrometallurgy Symposium (IBS-93), Wyoming, United States Of America, 22 - 25 August 1993, pp.605-612

Supported Projects

- Güvenilir F. Y. , Gök Z., Project Supported by Higher Education Institutions, Enzimatik Polimerizasyon yöntemi ile Polyvalerolacton sentezi ve karakterizasyonu, 2017 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Stability Parameters of Immobilized Candida antarctica Lipase B onto Glycidyoxypropyltrimethoxysilane (3-GPTMS) Functionalized Rice Husk Ash via Adsorption, 2016 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Silanlama ajanının polimerizasyona etkisi, 2016 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Immobilization of Candida antarctica Lipase B onto Surface-Modified Rice Husk Ash via Physical Adsorption, 2016 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, POLY (?-CAPROLACTONE) SYNTHESIS BY A NOVEL ENZYMATIC CATALYST: CANDIDA ANTARTICA LIPASE (CALB L) IMMOBILIZED ON A MODIFIED SILICA-BASED MATERIAL BY PHYSICAL ADSORPTION, 2015 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Poliaktik Asidin Enzimatik Olarak Biyobozunması, 2008 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Proteaz Enziminin Saflaştırılması, 2004 - 2018
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, APTMS Silanlama Ajanı ile aktive edilmiş taşıyıcıya lipaz enziminin çapraz bağlama ile immobilizasyonu, 2016 - 2017
- Güvenilir F. Y. , Project Supported by Other Official Institutions, ISTKA Yenilikçi İstanbul Mali Destek Programı Projesi Uygulamalı Biyopolimer ve Biyoplastik Üretim Teknolojileri Araştırma Merkezi, 2015 - 2017
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Denizcilik uygulamaları için çevreye duyarlı biyobirikme önleyici boya geliştirilmesi, 2015 - 2017
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Glisidoksipropil trimetoksisilan (GPTMS) ile aktive edilmiş taşıyıcıya enzim immobilizasyonu, 2015 - 2016
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Yıkayıcı makinalarda su kalitesinin iyileştirilmesi, 2015 - 2016
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Çöktürülmüş Silika Üzerine Lipaz Enziminin Immobilizasyonu ve Polikaprolakton Sentezi, 2014 - 2015
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Lipazın İnorganik Taşıyıcıda Immobilizasyonu ve Polikaprolakton Sentezi, 2014 - 2015
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Vakum İzolasyon Panelleri İçin Silika Esaslı Alternatif İç Dolgu Malzemeleri, 2014 - 2015
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, İlaç Taşınım Sisteminde Kullanılacak PCL-PEG-Kitosan/Suberin Kompozitlerinin Sentezlenmesi ve Karakterizasyonu, 2013 - 2015
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Püskürtmeli Kurutucuda PCL-PEG-Kitosan Kompozitlerinin İncelenmesi, 2013 - 2014
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, enzim Katalizörlüğünde Sentezlenen Polikaprolakton-Poletilenglikol Kopolimerlerine Reaksiyon Koşullarının Etkisi, 2013 - 2014
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Değişik Biyosorbentlerle Altının Geri Kazanımı, 2013 - 2014
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Kimya Mühendisliği Öğrencileri Laboratuvarlarının Ekipman Altyapısının İyileştirilmesi, 2011 - 2013
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Evsel Atıklardan Poliaktik Asit Eldesi ve Karakterizasyonu, 2005 - 2013
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Balık Yağından Enzimatik Hidroliz ile Docosaheksanoic Asitinin Zenginleştirilmesinde Hidroliz Süresinin Etkisi, 2003 - 2013
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Balık Yağından n-3 Polidoymamış Yağ Asidi Dokohaksekzaenoik Asit'in (22:6, DHA) Enzimatik Hidroliz ile Üretiminde pH'nın Etkisinin İncelenmesi, 2003 - 2013
- Güvenilir F. Y. , Project Supported by Higher Education Institutions, Proteaz Enziminin Bakterilerden İzole Edilip Saflaştırılması, 2002 - 2013

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Isırgan otu Toprak Altı ve Toprak Üstü Kısımlarından Isırgan Otu Ekstratının Eldesi, 2002 - 2013

Güvenilir F. Y. , Project Supported by Higher Education Institutions, bakterilerden İzole Edilip Saflaştırılmış Proteaz Enziminin Özelliklerinin İncelenmesi, 2002 - 2013

Güvenilir F. Y. , Project Supported by Higher Education Institutions, sarımsak Filizinden Asit Fosfataz izolasyonu ve saflaştırılması, 2001 - 2013

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Kaprolaktonun Lipaz Enzimi İle Halka Açılımı Polimerizasyonu, 2010 - 2011

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Poliüretanın Enzinmatik Bozunması, 2010 - 2011

Güvenilir F. Y. , Project Supported by Higher Education Institutions, ENZİNMATİK KATALİZE BİYOPOLİSTER SENTEZİ VE NANOHİBRİT SİSTEMLERİNİN GELİŞTİRİLMESİ, 2010 - 2010

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Evsel Atıklardan Fermentasyonla Laktik Asit Üretimi, 2007 - 2008

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Alkolin Proteaz Enziminin İmmobilizasyonu, 2004 - 2007

Güvenilir F. Y. , Project Supported by Higher Education Institutions, Kireç Deniz Suyu İle Algal Ayrılması, 1996 - 1997

Activities in Scientific Journals

Journal of the Turkish Chemical Society, Section A: Chemistry, Editor, 2019 - Continues

Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, Committee Member, 2017 - Continues

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP PhD, Ataturk University, Turkey, June 2020

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, May 2019

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, May 2019

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, March 2019

TUBITAK Project, January 2019

TUBITAK Project, November 2018

Reactive and Functional Polymers, SCI Journal, September 2018

Project Supported by Higher Education Institutions, June 2018

Project Supported by Higher Education Institutions, May 2018

Project Supported by Higher Education Institutions, September 2017

European Polymer Journal, SCI Journal, July 2017

TUBITAK Project, June 2017

Journal of Molecular Catalysis B: Enzymatic , SCI Journal, June 2016

TUBITAK Project, June 2016

EUROPEAN POLYMER JOURNAL, SCI Journal, March 2016

CHEMICAL ENGINEERING & TECHNOLOGY, SCI Journal, February 2016

Project Supported by Higher Education Institutions, July 2015

Project Supported by Higher Education Institutions, May 2014

Scientific Consultations

Arçelik, Project Consultancy, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, Turkey, 2014 - 2015

Arçelik, Project Consultancy, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, Turkey, 2013 - 2014

Edit Congress and Symposium Activities

- BIOPOL 2019, June 17-19, 2019, Stockholm, Sweden (Oral Presentation), Audience, Stockholm, Sweden, 2019
- Biopol 2019, June 17-19, 2019, Stockholm, Sweden (Poster Presentation), Audience, Stockholm, Sweden, 2019
- Aylin KUTLU, Yasemin KAPTAN, Yuksel Guvenilir, "Effects of Silanization Reagent and Enzyme Concentrations on Immobilized Enzyme by Activated with Tmsp-Da", 18 th European Congress on Biotechnology, 1-4 Temmuz, Cenevre, İsviçre, (Poster), Attendee, Geneve, Switzerland, 2018
- Zeynep Gok, Cansu Ulker, and Yuksel Guvenilir, "Synthesis of polyvalerolactone via enzymatic ring opening polymerization in different reaction media", 18 th European Congress on Biotechnology, 1-4 Temmuz, Cenevre, İsviçre, (Poster), Attendee, Geneve, Switzerland, 2018
- Cansu Ülker, Zeynep Gök, Yüksel Güvenilir, 2018, "Synthesis of polyvalerolactone via enzymatic ring opening polymerization in different reaction media", 18 th European Congress on Biotechnology, 1-4 Temmuz, Cenevre , İsviçre, (Flash Poster), Attendee, Geneve, Switzerland, 2018
- Halime Keçibaş, Elif Holat, Yasemin Kaptan and Yüksel Avcıbaşı Güvenilir, "Effect of Low Concentration Silanization Agent and Enzyme on the Immobilization of Lipase on a Silica-Based Support Material", 18 th European Congress on Biotechnology, 1-4 Temmuz, Cenevre, İsviçre, (Poster), Attendee, Geneve, Switzerland, 2018
- Yaşar Andelib Aydın, Zeynep Gok, Cansu Ulker and Yuksel Guvenilir, "Enzymatic Synthesis of Poly(?-caprolactone-co-?-valerolactone) Copolymers via Ring Opening Polymerization" 17 th Internatinal Conference Polymers and Organic Chemistry, 3-7 Haziran 2018, Palavas, Fransa, Attendee, Montpellier, France, 2018
- Şeyda Ercan Korkan, Yasemin Kaptan, Yuksel Avcıbaşı Guvenilir, "Enzymatic Synthesis of Polycaprolactone: Immobilization of lipase enzyme onto silica-based support material modified with 3-Trimethoxysilyl (propyl)ethylenediamine (TMSPDA)" 17 th Internatinal Conference Polymers and Organic Chemistry, 3-7 Haziran 2018, Palavas, Fransa, Attendee, Montpellier, France, 2018
- Yasemin Kaptan, Meltem Akkulak, Yaşar Andelib Aydın, Yüksel Güvenilir, "Synthesis of PCL/silica nanohybrid systems via enzyme-catalyzed ROP, 17 th Internatinal Conference Polymers and Organic Chemistry, 3-7 Haziran 2018, Palavas, Fransa (Oral sunum), Attendee, Turkey, 2018
- Nazlı Kezban Kapusuz, Gizem Karip Nareg İşler, Özge Akgül, Yasemin Kaptan and Yüksel Avcıbaşı Güvenilir, "Effect Of Silanization Agent And Enzyme On The Immobilization Of Lipase On A Silica-Based Support Material", ProtStab2018, May 16-18 2018, Vilnius, Litvanya, Attendee, Vilnius, Lithuania, 2018
- Nazlı Kezban Kapusuz, Gizem Karip, Cansu Ulker and Yuksel Guvenilir, "A Simple and Sensitive Method for the Estimation ff Microbial Lipase Activity", ProtStab2018, May 16-18 2018, Vilnius, Litvanya, Attendee, Vilnius, Lithuania, 2018
- Yasemin Kaptan, Meltem Akkulak, Yaşar Andelib Aydın, Yüksel Güvenilir, "Enzymatic Polymerization of ?-Caprolactone and Development of Pcl/Rha Nanohybrid Systems", ProtStab2018, May 16-18 2018, Vilnius, Litvanya, Attendee, Vilnius, Lithuania, 2018
- Şeyda Korkan, Yasemin Kaptan, Yüksel Güvenilir, "Enzymatic Synthesis of Polycaprolactone: Immobilization of lipase enzyme onto silica-based support material modified with 3-Trimethoxysilyl (propyl)ethylenediamine (TMSPDA)", ProtStab2018, May 16-18 2018, Vilnius, Litvanya, Attendee, Vilnius, Lithuania, 2018
- Cansu Ulker and Yuksel Guvenilir, "Enzymatic Ring Opening Polymerization And Characterization Of Biodegradable ?-Pentadecalactone-Co-?-Caprolactone Copolymers", BIOPOL 2017, September 11-13, 2017, Attendee, Mons, Belgium, 2017
- Zeynep Gok, Yuksel Guvenilir, "Synthesis Of Polyvalerolactone Via Enzymatic Ring Opening Polymerization", BIOPOL 2017, September 11-13, 2017, Attendee, Mons, Belgium, 2017
- Ayşenur Gül, Cansu Ülker, Yasemin Kaptan, Yüksel Avcıbaşı Güvenilir, "Biopolymer Films Reinforced With Mwcnts for Tissue Engineering Applications", BIOPOL 2017, September 11-13, 2017, Attendee, Mons, Belgium, 2017
- Yasemin Kaptan, Suha Akan, Yuksel Guvenilir, "Enzymatic Synthesis of Polycaprolactone: Effect of Immobilization Mechanism of Calb on Polycaprolactone Synthesis", BIOPOL 2017, September 11-13, 2017, Attendee, Mons, Belgium, 2017
- Dilara Saclıgil, Cansu Ulker, Yuksel Guvenilir, "Immobilization of Candida Antartctica Lipase B (Calb) on Trimethoxysilylpropylethylene Diamine (Tmsp) Modified Rice Husk Ash", BIOPOL 2017, September 11-13, 2017, Attendee, Mons, Belgium, 2017
- Nurefşan Gökçalp, Cansu Ülker, Yüksel Avcıbaşı Güvenilir, "Chemical Modification and Optimum Immobilization of Candida

antarctica Lipase B on Precipitated Silica by Silanization and Crosslinking Method”, BioCat2016, August 29-September 1, Hamburg, Germany, Attendee, Hamburg, Germany, 2016

Cansu Ülker, Nurefşan Gökalp, Yüksel Avcıbaşı Güvenilir, “New approach to the immobilization of Candida antarctica Lipase B onto 3-aminopropyltriethoxysilane (3-APTES) functionalized Rice Husk Ash via Cross-linking”, BioCat2016, August 29-September 1, Hamburg, Germany, Attendee, Hamburg, Germany, 2016

Yasemin Kaptan, Ece Ulu, Yüksel Avcıbaşı Güvenilir, “Modified rice husk ash (RHA) as a support material for immobilization of Candida antarctica lipase B”, BioCat2016, August 29-September 1, Hamburg, Germany, Attendee, Hamburg, Germany, 2016

Ece Ulu, Yasemin Kaptan, Yüksel Avcıbaşı Güvenilir, “Polymerization of ϵ -caprolactone by an Enzymatic Catalyst Candida antarctica Lipase B (CALB) Immobilized on a Modified Silica-based Material by Physical Adsorption”, BioCat2016, August 29-September 1, Hamburg, Germany, Attendee, Hamburg, Germany, 2016

) Nurefşan Gökalp, Cansu Ülker, Yüksel Avcıbaşı Güvenilir, “Enhancing the Properties of Candida antarctica Lipase B by Immobilization on Precipitated Silica modified with 3-Aminopropyltriethoxysilane (APTES)”, ECB2016, July 2-7, Karakov, Poland, Attendee, Kraków, Poland, 2016

Cansu Ülker, Nurefşan Gökalp, Yüksel Avcıbaşı Güvenilir, “Immobilization of Candida antarctica Lipase B onto Surface-Modified Rice Husk Ash via Physical Adsorption”, ECB2016, July 2-7, Karakov, Poland, Attendee, Kraków, Poland, 2016

Ece Ulu, Yasemin Kaptan, Yüksel Avcıbaşı Güvenilir, “Ring opening polymerization of ϵ -caprolactone by an enzymatic catalyst Candida antarctica lipase B (CALB) immobilized on a modified silica-based material”, ProStab2016, May 9-11, İstanbul, Turkey, Attendee, Turkey, 2016

Cansu Ülker, Nurefşan Gökalp, Yüksel Avcıbaşı Güvenilir, “Stability of Candida antarctica Lipase B Immobilized onto Different Support Materials via Cross-linking”, ProStab2016, May 9-11, İstanbul, Turkey, Attendee, Turkey, 2016

Yasemin Kaptan, Ece Ulu, Yüksel Avcıbaşı Güvenilir, “Immobilization of Lipase Enzyme onto GPTMS-silanized Rice Husk Ash”, ProStab2016, May 9-11, İstanbul, Turkey, Attendee, –Seçiniz–, Turkey, 2016

Ulker, C, Gokalp N, Saloglu D, and Guvenilir-Avcibasi Y, 2015, “A Comparative Study of Properties of Lipases Immobilized onto Different Silica-Based Materials via Physical Adsorption to Polymerize Polycaprolactone”, BIOPOL 2015, October 6-9, 2015 Donostia-San Sebastian, Spain. (Poster Presentation), Attendee, Donostia, Spain, 2015

Erhan Özsağiroğlu, Yuksel Avcibasi Guvenilir, “Preparation of polycaprolactone-polyethylene glycol-sodium alginate composites using spray dryer”, BIOPOL 2015, October 6-9, 2015 Donostia-San Sebastian, Spain. (Poster Presentation), Attendee, Donostia, Spain, 2015

Uğur Kaya, Ayşen Önen, Yüksel Avcıbaşı Güvenilir, “Enzymatically Synthesized Polycaprolactone Based Macrophotoinitiator”, BIOPOL 2015, October 6-9, 2015 Donostia-San Sebastian, Spain. (Poster Presentation), Attendee, Donostia, Spain, 2015

Erhan Özsağiroğlu, Yuksel Avcibasi Guvenilir, “Encapsulation and controlled release of L-ascorbic acid via biocomposites”, BIOPOL 2015, October 6-9, 2015 Donostia-San Sebastian, Spain. (Poster Presentation), Attendee, Donostia, Spain, 2015

Ulker C, Gokalp N, and Guvenilir-Avcibasi Y, 2015, “Poly (ϵ -caprolactone) Synthesis by a Novel Enzymatic Catalyst: Candida antarctica lipase (CALB L) Immobilized on a Modified Silica-Based Material by Physical Adsorption”, Advanced Materials World Congress (AMWC) 2015, August 23-26, 2015 Stockholm, Sweden. (Oral Presentation), Attendee, Stockholm, Sweden, 2015

Gokalp N, Ulker C, and Guvenilir-Avcibasi Y, 2015. “Immobilization of Candida antarctica Lipase onto an Amorphous Silica Support by Cross-linking Method for Ring-Opening Polymerization of ϵ -caprolactone”, Advanced Materials World Congress (AMWC) 2015, August 23-26, 2015 Stockholm, Sweden. (Oral Presentation), Attendee, Stockholm, Sweden, 2015

Gokalp N, Ulker C, and Guvenilir-Avcibasi Y, 2015. Immobilization of Candida antarctica Lipase onto an Amorphous Silica Support by Physical Adsorption Method for Ring-Opening Polymerization of ϵ -caprolactone. EPF 2015, June 21-26, 2015 Dresden, Germany. (Poster Presentation), Attendee, Dresden, Germany, 2015

Ulker C, Gokalp N, and Guvenilir-Avcibasi Y, 2015, “Ring Opening Polymerization of ϵ -caprolactone by a Novel Enzymatic Catalyst Candida antarctica Lipase (CALB L) Immobilized on a Modified Silica-Based Material by Cross-linking”, EPF 2015, June 21-26, 2015 Dresden, Germany. (Oral Presentation), Attendee, Dresden, Germany, 2015

Elif Nur Hayta, Erhan Ozsagiroglu, Yuksel Avcibasi Guvenilir, “Preparation of PCL/PEG/Chitosan Biocomposites for L-Ascorbic Acid Drug Delivery Applications” POC2014 Polymers and Organic Chemistry, 10-13 June, Timișoara, Romania,

2014.(Poster Presentation), Attendee, Timisoara, Romania, 2014

Erhan Ozsagiroglu, Cansu Ulker, Saliha Meltem Kilic, Yuksel Avcibasi Guvenilir, "A New Route to Ring Opening Polymerization of ϵ -Caprolactone by Ion-Paired Thermomyces Lanuginosa Lipase with Hexadecylamine", EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy, Attendee, Italy, 2013

Tugçe Tuglu, Erhan Ozsagiroglu, Yuksel Avcibasi, "Investigation of Reaction Parameters Effect on Molecular Weight of the PCL-PEG Copolymers", EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy., Attendee, Italy, 2013

Erhan Ozsagiroglu, Eliz Kelebek, Hilal Ustundag, Yuksel Avcibasi Guvenilir, "Controlled Biodegradation of Polycaprolactone Films by A Novel Embedded Enzyme Thermomyces Lanuginosa Lipase", EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy., Attendee, Italy, 2013

Ilay Gerone, Erhan Ozsagiroglu, Yuksel Avcibasi Guvenilir, "Gold recovery from dilute gold solution using chitin as a biosorbent", EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy., Attendee, Italy, 2013

Erhan Ozsagiroglu, Cansu Ulker, Saliha Meltem Kilic, Yuksel Avcibasi Guvenilir, "Polycaprolactone Synthesis by a New Immobilized Enzyme Thermomyces lanuginosa lipase" EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy., Attendee, Italy, 2013

Tugçe Tuglu, Erhan Ozsagiroglu, Yuksel Avcibasi, "Effect of Temperature on Copolymerization of PCL and PEG", EPF 2013, European Polymer Congress 16-21 June 2013 Pisa, Italy, Attendee, Italy, 2013

Citations

Total Citations (WOS):330

h-index (WOS):12

Scholarships

Participant, Official Institutions of Foreign Countries, 1996 - Continues

Research, YOK, 1988 - Continues

Awards

Güvenilir F. Y. , ENZYMATIC RING OPENING POLYMERIZATION AND CHARACTERIZATION OF BIODEGRADABLE ϵ -PENTADecalactone-co- ϵ -CAPROLACTONE COPOLYMERS, 6th International Conference on Biobased and Biodegradable Polymers, September 2017

Güvenilir F. Y. , En iyi poster ödülü, Society for Industrial Microbiology and Biotechnology., April 2005