

Lect. PhD EMRE ERDEN KOPAR

Personal Information

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Education Information

Doctorate, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, Turkey 2009 - 2015

Post Graduate, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, Turkey 2006 - 2009

Under Graduate, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Pseudomonas sp.'den Karıştırmalı Tank Reaktöründe Polihidroksialkanoatların Üretimin Optimizasyonu, Kinetik Modellenirilmesi, İzolasyonu, Karakterizasyonu ve Biyomateryal Olarak Kullanım Olanaklarının Araştırılması, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, 2015

Post Graduate, Pamuklu dokuma kumaşların mikrobiyal işlemlerle ağartılması, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, 2009

Research Areas

Chemistry, Biochemistry, Biotransformations, Fermentation, Microbiological Chemistry, Natural Sciences

Academic Titles / Tasks

Lecturer, Ege Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, 2014 - Continues

Courses

Biotechnology, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018

Sekonder Metabolitler ve Üretimleri, Post Graduate, 2017 - 2018

Biochemistry II, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018

Fermentasyonun Modellenirilmesi, Post Graduate, 2016 - 2017, 2017 - 2018

Üniversite Yaşamına Geçiş, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018

Bitirme Tezi, Under Graduate, 2016 - 2017, 2017 - 2018

Introduction to Medicinal Chemistry, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
GENERAL BİOCHEMİSTRY I, Under Graduate, 2016 - 2017
BIOPROCESS KINETICS, Under Graduate, 2016 - 2017
BİOTECHNOLOGY, Under Graduate, 2016 - 2017
ÜNİVERSİTE YAŞAMINA GEÇİŞ, Under Graduate, 2016 - 2017
BİOPROCESS LABORATORY, Under Graduate, 2016 - 2017
BASİC TECHNIQUES IN BİOCHEMİSTRY, Under Graduate, 2016 - 2017
Kaynak Tarama Teknikleri, Under Graduate, 2016 - 2017
Biochemistry I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Bioprocess Laboratory, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Bioprocess Kinetics, Under Graduate, 2016 - 2017

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

- I. **Layer by layer assembly of antibacterial inclusion complexes**
Ugur S., Sarıışık M., Türkođlu G., Erkan G., Erden E.
International Journal of Clothing Science and Technology, vol.28, no.3, pp.368-377, 2016 (Journal Indexed in SCI)
- II. **Batch production of Pyranose 2-oxidase from Trametes versicolor (ATCC 11235) in medium with a lignocellulosic substrate and enzymatic bleaching of cotton fabrics**
PAZARLIOGLU N. K. , ERDEN E., UÇAR M., AKKAYA A., Sariisik A. M.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.28, is.4, pp.1523-1531, 2012 (Journal Indexed in SCI)
- III. **Modifying of Cotton Fabric Surface with Nano-ZnO Multilayer Films by Layer-by-Layer Deposition Method**
UĞUR Ş. S. , Sariisik M., AKTAŞ A. H. , UÇAR M., ERDEN E.
NANOSCALE RESEARCH LETTERS, vol.5, is.7, pp.1204-1210, 2010 (Journal Indexed in SCI)
- IV. **SCREENING FOR LIGNINOLYTIC ENZYMES FROM AUTOCHTHONOUS FUNGI AND APPLICATIONS FOR DECOLORIZATION OF REMAZOLE MARINE BLUE**
ERDEN E., UÇAR M., GEZER T., PAZARLIOGLU N. K.
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.40, is.2, pp.346-353, 2009 (Journal Indexed in SCI)
- V. **New and different lignocellulosic materials from Turkey for laccase and manganese peroxidase production by Trametes versicolor**
ERDEN E., UCAR M. C. , KAYMAZ Y., PAZARLIOGLU N. K.
ENGINEERING IN LIFE SCIENCES, vol.9, is.1, pp.60-65, 2009 (Journal Indexed in SCI)
- VI. **Stimulation of cinnabaric acid production in batch cultures of Pycnoporus cinnabarinus**
PAZARLIOGLU N. K. , KUZUCU M., OZMEN F., KARANI O. R. , Akdogan H. A. , GOCENOGLU A., UÇAR M., ERDEN E.
JOURNAL OF BIOTECHNOLOGY, vol.136, 2008 (Journal Indexed in SCI)
- VII. **Biobleaching of cotton fabrics**
PAZARLIOGLU N. K. , ERDEN E.
JOURNAL OF BIOTECHNOLOGY, vol.136, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Direct Blue 2 Tekstil Boyar Maddesinin Agaricus campestris Biyokütlesi Tarafından Biyosorpsiyonu: Kinetik, İzotermal ve Termodinamik Çalışmalar**
ERDEN E., GÖÇENOĞLU SARIKAYA A.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Chapter 11. Recent Advances in the Applications of Polyhydroxyalkanoates as Bionanomaterials**
Erden E.
in: Nanomaterials: Fundamentals and Applications, Sinan Akgöl, Editor, Palme Yayın Dağıtım, Ankara, pp.195-206, 2018
- II. **"Applications of Microbial Enzymes in the Textile Industry"**
ERDEN E., PAZARLIOĞLU N.
in: Biotechnology of Microbial Enzymes, Vijai Kumar Gupta, Editor, Nova Science Publishers, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **Fenazin-1 Karboksilik Asit Spesifik Damgalı Polimerin Hazırlanması ve Karakterizasyonu**
aslan k, OKUTUCU B., ERDEN ÇAKMAKLI E.
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 30 November 2017, pp.27
- II. **"OVEREXPRESSION of phaC1 Gene ENCODING PHA SYNTHASE 1 in Pseudomonas aureofaciens for OVERPRODUCTION of mcl-PHA"**
ERDEN ÇAKMAKLI E., EVRAN S., PAZARLIOĞLU N.
The International Congress on Advances in Bioscience and Biotechnology (ICABB), Sarajevo, Bosnia And Herzegovina, 25 - 29 October 2017
- III. **"Modelling of Phenazine-1-Carboxylic Acid Production by Pseudomonas chlororapsis subsp. aureofaciens in Submerged Cultures and Investigation of Its Antimicrobial and Anticancer Activity "**
ASLAN K., ERDEN ÇAKMAKLI E.
The International Congress on Advances in Bioscience and Biotechnology (ICABB), Sarajevo, Bosnia And Herzegovina, 25 - 29 October 2017
- IV. **establishing optimum method for b cyclodextrin complex to acquire antibacterial textiles**
SARIİŞİK A. M. , TÜRKOĞLU G. C. , KARTAL G. E. , ERDEN ÇAKMAKLI E.
International Textile Conference, 26 - 27 November 2015
- V. **LAYER BY LAYER ASSEMBLY OF ANTIBACTERIAL INCLUSION COMPLEXES**
UĞUR Ş. S. , SARIİŞİK A. M. , TÜRKOĞLU G. C. , ERKAN G., ERDEN ÇAKMAKLI E.
6th international technical textiles congress, 14 - 16 October 2015
- VI. **PRODUCTION, ISOLATION AND CHARACTERIZATION of mcl-PHA PRODUCED by Pseudomonas aureofaciens", European Symposium on Biopolymers**
ERDEN E., PAZARLIOĞLU N.
European Symposium on Biopolymers, 15 - 18 September 2015
- VII. **PRODUCTION ISOLATION AND CHARACTERIZATION of mcl PHA PRODUCED by Pseudomonas aureofaciens**
ERDEN ÇAKMAKLI E., PAZARLIOĞLU N.
European Symposium on Biopolymers, 15 - 18 September 2015
- VIII. **METABOLIC PROFILING OF INTRACELLULAR mcl POLYHYDROXYALKANOATE DEGRADATION IN Pseudomonas aureofaciens**
ODABAŞ g., AVCI t., ERDEN ÇAKMAKLI E., PAZARLIOĞLU N.
european symposium on biopolymers, 15 - 18 September 2015
- IX. **Antibacterial featured retardant capsules for protective textile materials**
TÜRKOĞLU G. C. , SARIİŞİK A. M. , ERKAN G., ERDEN ÇAKMAKLI E., ÖZTUNA s., KONTART o.
6th European Conference on Protective Clothing, 14 - 16 May 2014
- X. **Formation inclusion complexes of β -Cyclodextrin-Tymol and the bacterial properties of textile finishing.**
TÜRKOĞLU G. C. , SARIİŞİK A. M. , ERKAN G., ERDEN E., PAZARLIOĞLU N., ÖZTUNA S., KONTART O.
Achen Dresden 7th International Textile Conference, Aachen, Germany, 28 November 2013, pp.3

- XI. **Biochemical agents in detergents: Enzymes**
PAZARLIOĞLU N., ODABAŞ G., AVCI T., ERDEN E.
International Cleaning & Personal Care Products and Production Technologies Symposium and Exhibition, İzmir, Turkey, 07 November 2013, pp.3
- XII. **Designing an antimicrobial textile product based on carvacrol β -Cyclodextrin complex.**
TÜRKOĞLU G. C. , SARINŞIK M., ERKAN G., ERDEN E., PAZARLIOĞLU N., ÖZTUNA S., KONTART O.
International Cleaning & Personal Care Products and Production Technologies Symposium and Exhibition, İzmir, Turkey, 07 November 2013, pp.3
- XIII. **Development of a recombinant Pseudomonas sp strain for the enhanced production of medium chain length polyhydroxyalkanoates**
ERDEN E., ENSARI Y., PAZARLIOĞLU N. K.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- XIV. **PHA production by different recombinant Escherichia coli strains**
ENSARI Y., ERDEN E., PAZARLIOĞLU N.
The International Congress of Bioinformatics and Biomics, İzmir, Turkey, 18 May 2011, pp.7
- XV. **Metabolic approaches for the production of polyhydroxyalkanoates**
ERDEN E., ENSARI Y., PAZARLIOĞLU N.
The International Congress of Bioinformatics and Biomics, İzmir, Turkey, 18 May 2011, pp.5
- XVI. **Optimization of cinnabarinic acid from Pycnoporus cinnabarinus and production in stirred tank reactor**
GOCENOGLU A., Ahmed A. M. , UCAR M. C. , ERDEN E., PAZARLIOĞLU N.
5th International Bioengineering Congress, İzmir, Turkey, 16 June 2010, pp.5
- XVII. **Antibiotic Immobilization on PHA Nanofiber**
ERDEN E., UCAR M. C. , Özkıyıcı S., Karaca Ü., PAZARLIOĞLU N.
4th International Student Conference on Advanced Science and Technology ICAST 2010, İzmir, Turkey, 25 May 2010, pp.12
- XVIII. **Biyobozunur ve Biyouyumlu Bakteriyel Polimerler Üzerine Çeşitli Antibiyotiklerin İmmobilizasyonu ve Antibakteriyel Etkinliklerinin Araştırılması**
ERDEN E., UCAR M. C. , AKKAYA A., PAZARLIOĞLU N.
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 13 December 2009, pp.365-368
- XIX. **Biotechnological Approaches to the Production and Medical Usage of Bacterial Biopolymers,**
ERDEN E., UCAR M. C. , PAZARLIOĞLU N.
15th International Biomedical Science and Technology Symposium BIOMED 2009,, Güzelyurt, Cyprus (Kktc), 16 August 2009, pp.16
- XX. **Bleaching of Cotton Fabrics by Microbiological Processes,**
ERDEN E., PAZARLIOĞLU N.
AUTEX 2009 World Textile Conference, İzmir, Turkey, 26 May 2009, pp.25
- XXI. **Pyranose Oxidase (P2O) Produced from Agricultural Residues by Trametes versicolor and Use in Biosensing Systems**
AKKAYA A., ODACI DEMİRKOL D., ERDEN E., UCAR M. C. , PAZARLIOĞLU N., TİMUR S., Telefoncu A.
International Enzyme Engineering Symposium-2008, Aydın, Turkey, 01 October 2008, pp.132
- XXII. **Chromatographic Analysis of Phenol Biodegradation by Pycnoporus cinnabarinus**
AKDOĞAN H. A. , UCAR M. C. , ERDEN E., PAZARLIOĞLU N.
6th Aegean Analytical Chemistry Days,, Denizli, Turkey, 09 September 2008, pp.5
- XXIII. **Bleaching of Cotton Fabrics by Pyranose Oxidase from Trametes versicolor**
PAZARLIOĞLU N., SARIŞIK A. M. , AKKAYA A., ERDEN ÇAKMAKLI E., UCAR M. C.
International Enzyme Engineering Symposium IEES'08, Aydın, Turkey, 01 September 2008, pp.32
- XXIV. **The Role of Laccase Produced by Pycnoporus cinnabarinus on Phenol Biodegradation,**
UCAR M. C. , AKDOĞAN H. A. , ERDEN E., GOCENOGLU A., PAZARLIOĞLU N.
International Enzyme Engineering Symposium IEES'08, Aydın, Turkey, 01 September 2008, pp.132
- XXV. **Pyranose 2-Oxidase Production by Trametes versicolor using Clover Straw in Stirred Tank Reactor**

PAZARLIOĞLU N., AKKAYA A., ERDEN ÇAKMAKLI E., UCAR M. C.

International Enzyme Engineering Symposium IEES'08, Aydın, Turkey, 01 September 2008, pp.16

XXVI. **Production of Pyranose 2-Oxidase from *Trametes versicolor* by Using Agricultural Residues**

PAZARLIOĞLU N., AKKAYA A., ERDEN E., UCAR M. C.

2007 European Bioprospectives, Cologne, Germany, 30 May 2007, pp.393-394

Supported Projects

ERDEN KOPAR E., Project Supported by Higher Education Institutions, PSEUDOMANAS CHLORORAPSİS AUREOFACİENS TARAFINDAN ÇALKALAMALI KÜLTÜRLERDE FENAZİN TÜREVLİ PİGMENTLERİN ÜRETİMİ, İZOLASYONU, KARAKTERİZASYONU VE ANTİMİKROBİYAL AKTİVİTELERİNİN ARAŞTIRILMASI, 2016 - 2017

Citations

Total Citations (WOS):224

h-index (WOS):4

Awards

Erden E., The Young Researcher of The Year, Icabb 2017 Congress, October 2017