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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 2013 - 2018

Yüksek Lisans, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya, Türkiye 2011 - 2013

Lisans, Ege Üniversitesi, Fen Fakültesi, Biyokimya, Türkiye Devam Ediyor

Yaptığı Tezler

Doktora, GLUKOZ-6-FOSFAT DEHİDROGENAZ ENZİMİNİN İMMOBİLİZASYONU İÇİN MANYETİK NANOPARTİKÜLLERİN HAZIRLANMASI, KARAKTERİZASYONU VE OPTİMİZASYONU, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2018

Yüksek Lisans, Trichoderma ouroviride'dan SELÜLAZ ENZİMİNİN SAFLAŞTIRILMASI VE KARAKTERİZASYONU, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2013

Araştırma Alanları

Kimya, Biyokimya, Biyotransformasyon, Fermantasyon, Mikrobiyolojik kimya, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Süleyman Demirel Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Investigation of binding interaction behavior between antiemetic drugs and Trypsin by spectroscopy and molecular docking**
ŞAHİN S., Calapoglu F., YAZICI S. Ö. , ÖZMEN İ.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.258, 2021 (SCI İndekslerine Giren Dergi)
- II. **Immobilization of pectinase on Zr-treated pumice for fruit juice industry**
ŞAHİN S., ÖZMEN İ.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, cilt.44, sa.8, 2020 (SCI İndekslerine Giren Dergi)
- III. **Optimization of fermentation parameters for high-activity inulinase production and purification from Rhizopus oryzae by Plackett-Burman and Box-Behnken**
YAZICI S. Ö. , ŞAHİN S., BIYIK H. H. , Geroglu Y., ÖZMEN İ.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Covalent immobilization of trypsin on polyvinyl alcohol-coated magnetic nanoparticles activated**

with glutaraldehyde

ŞAHİN S., ÖZMEN İ.

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, cilt.184, 2020 (SCI İndekslerine Giren Dergi)

- V. **Development of Voltammetric Glucose-6-phosphate Biosensors Based on the Immobilization of Glucose-6-phosphate Dehydrogenase on Polypyrrole- and Chitosan-Coated Fe₃O₄ Nanoparticles/Polypyrrole Nanocomposite Films**
ŞAHİN S., ÖZMEN İ., Bastemur G. Y. , Ozkorucuklu S. P.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, cilt.188, sa.4, ss.1145-1157, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Stability evaluation of 6-phosphogluconate dehydrogenase immobilized on amino-functionalized magnetic nanoparticles**
ŞAHİN S.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, cilt.49, sa.6, ss.590-596, 2019 (SCI İndekslerine Giren Dergi)
- VII. **Pyrene hydrogel for promoting direct bioelectrochemistry: ATP-independent electroenzymatic reduction of N-2**
Hickey D. P. , LİM K., CAI R., Patterson A. R. , YUAN M., Sahin S., ABDELLAOUI S., Minteer S. D.
CHEMICAL SCIENCE, cilt.9, sa.23, ss.5172-5177, 2018 (SCI İndekslerine Giren Dergi)
- VIII. **Creating a Low-Potential Redox Polymer for Efficient Electroenzymatic CO₂ Reduction**
Yuan M., Sahin S., Cai R., Abdellaoui S., Hickey D. P. , Minteer S. D. , Milton R. D.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, cilt.57, sa.22, ss.6582-6586, 2018 (SCI İndekslerine Giren Dergi)
- IX. **Molybdenum-Dependent Formate Dehydrogenase for Formate Bioelectrocatalysis in a Formate/O-2 Enzymatic Fuel Cell**
Sahin S., CAI R., Milton R. D. , ABDELLAOUI S., Macazo F. C. , Minteer S. D.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.165, sa.3, 2018 (SCI İndekslerine Giren Dergi)
- X. **The In Vivo Potential-Regulated Protective Protein of Nitrogenase in Azotobacter vinelandii Supports Aerobic Bioelectrochemical Dinitrogen Reduction In Vitro**
MILTON R. D. , CAI R., Sahin S., ABDELLAOUI S., ALKOTAINI B., LEECH D., MINTEER S. D.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.139, sa.26, ss.9044-9052, 2017 (SCI İndekslerine Giren Dergi)
- XI. **Immobilization and characterization of human carbonic anhydrase I on amine functionalized magnetic nanoparticles**
Al-Dhrub A. H. A. , ŞAHİN S., ÖZMEN İ., Tunca E., Bulbul M.
PROCESS BIOCHEMISTRY, cilt.57, ss.95-104, 2017 (SCI İndekslerine Giren Dergi)
- XII. **Determination of optimum conditions for glucose-6-phosphate dehydrogenase immobilization on chitosan-coated magnetic nanoparticles and its characterization**
ŞAHİN S., ÖZMEN İ.
Journal of Molecular Catalysis B: Enzymatic, cilt.133, 2016 (SCI Expanded İndekslerine Giren Dergi)
- XIII. **Industrial Applications of Endoglucanase Obtained from Novel and Native Trichoderma atroviride**
ŞAHİN S., ÖZMEN İ., Biyik H.
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, cilt.30, sa.2, ss.265-278, 2016 (SCI İndekslerine Giren Dergi)
- XIV. **Purification, immobilization, and characterization of protease from local Bacillus subtilis M-11**
ŞAHİN S., ÖZMEN İ., KIR E.
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, cilt.10, sa.2, ss.241-247, 2015 (SCI İndekslerine Giren Dergi)
- XV. **CHARACTERIZATION OF CMCASES OBTAINED FROM LOCAL ISOLATE Aspergillus tamari Redpep4 AND EFFECT METAL SALTS ON ITS ACTIVITY**
Demir S. N. , ŞAHİN S., ÖZMEN İ., BIYIK H. H.
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, ss.2959-2968, 2015 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Didemnins Inhibit COVID-19 Main Protease (Mpro)**
ŞAHİN S., Calapoğlu F., ÖZMEN İ.
Biointerface Research in Applied Chemistry, cilt.11, sa.1, ss.8204-8209, 2020 (Diğer Kurumların Hakemli Dergileri)
- II. **PRODUCTION OF PROTEASE FROM BACILLUS SUBTILIS UNDER SSF AND EFFECT OF ORGANIC SOLVENTS ON LYOPHILIZED PROTEASE PREPARATIONS**
ŞAHİN S., Demir y., ÖZMEN İ.
International Journal of Chemistry Research, cilt.4, sa.2, ss.1-6, 2020 (Diğer Kurumların Hakemli Dergileri)
- III. **Horseradish Peroksidaz Enziminin TiO₂-COOH Nanopartiküller Üzerine İmmobilizasyon Koşullarının Box-Behnken Metodu ile Optimize Edilmesi**
ŞAHİN S.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.23, ss.904-916, 2019 (Diğer Kurumların Hakemli Dergileri)
- IV. **Antimicrobial and Biocompatible Bacterial Cellulose as Wound Dressing**
Poyrazoğlu Çoban E., ŞAHİN S., BIYIK H. H. , ÖZMEN İ., ÜNSAL H., BENGÜL E.
TRANSYLVANIAN REVIEW, cilt.25, sa.22, ss.5459-5467, 2017 (Diğer Kurumların Hakemli Dergileri)
- V. **Purification and Characterization of Endo β 1 4 glucanase from Local Isolate Trichoderma ouroviride**
ŞAHİN S., ÖZMEN İ., BIYIK H. H.
International Journal of Bioscience, Biochemistry and Bioinformatics, cilt.3, sa.2, ss.129-132, 2013 (Hakemsiz Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Surface modification of TiO₂ for immobilization of enzyme**
ŞAHİN S., ÖZMEN İ.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Türkiye, 7 - 09 Ekim 2020, ss.307
- II. **Evaluation the interaction of some chemicals with trypsin**
ŞAHİN S.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Türkiye, 19 - 20 Mart 2020, ss.429
- III. **IMMOBILIZATION OF PROTEASE ONTO Fe₃O₄@SiO₂-NH₂ NANOPARTICLES AND CHARACTERIZATION OF ITS BIOCHEMICAL PROPERTIES**
ÇALIMLI r., ŞAHİN S., ÖZMEN İ.
3. ULUSLARARASI GAP MATEMATİK- MÜHENDİSLİK-FEN VE SAĞLIK BİLİMLERİ KONGRESİ, 29 Kasım - 01 Aralık 2019, ss.125
- IV. **EFFECT OF EXOGENOUS PROTEASE WITHOUT OR WITH CELLULASE AND PHYTASE ON GROWTH PERFORMANCE OF BROILER CHICKENS**
ŞAHİN S., ÖZMEN İ., ÖZBEK YAZICI S.
2nd International Health Sciences and Life Congress, 24 - 27 Nisan 2019
- V. **OPTIMIZATION OF PHYTASE PRODUCTION FROM Aspergillus niger HBF-97.**
ÖZBEK YAZICI S., ÖZMEN İ., ŞAHİN S.
2nd International Health Sciences and Life Congress, 24 - 27 Nisan 2019
- VI. **Designing electroenzymatic interface for CO₂ reduction**
YUAN M., ŞAHİN S., CAI R., ABDELLOUİ S., HICKEY d., MİNTEER s., MİLTON R.
National Meeting of the American-Chemical-Society (ACS), 31 Mart - 04 Nisan 2019
- VII. **Immobilization of Trypsin on PVA-Coated Magnetic Nanoparticles**
ŞAHİN S., ÖZMEN İ.

2nd Eurasia Biochemical Approaches Technologies (EBAT) Congress, 26 - 29 Ekim 2019

- VIII. **Immobilization of Bovine Serum Albumin on Pumice: Influence of Short Crosslinkers**
ŞAHİN S.
1st EURASIA BIOCHEMICAL APPROACHES TECHNOLOGIES (EBAT) CONGRESS, 27 - 30 Ekim 2018
- IX. **Immobilization of 6-Phosphogluconate Dehydrogenase on Magnetic Nanoparticles**
ŞAHİN S.
INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 21 - 23 Eylül 2018
- X. **Nitrogenase Electrochemistry for Ammonia Production**
CAI R., MİLTON R., ABDELLAOUI S., L DE LACEY A., PİTA M., ŞAHİN S., MİNTEER S.
223rd ECS meetings, Amerika Birleşik Devletleri, 13 - 17 Mayıs 2018
- XI. **IMMOBILIZATION OF HUMAN CARBONIC ANHYDRASE I**
ALDHRUB A. H. A. , ŞAHİN S., ÖZMEN İ., TUNCA E., BÜLBÜL M.
1st International Health Sciences and Life Congress, 2 - 05 Mayıs 2018
- XII. **Elektrospinning Yöntemiyle Üretilen Gümüş Katkılanmış Kitosan Nanofiberlerin Bakteri Üzerindeki Etkisinin İncelenmesi**
ÇİÇEK BEZİR N., BOZKURT B., ÖZCAN B., ŞAHİN S., KIR E., EVCİN A., AKARCA G.
I. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Nevşehir, Türkiye, 5 - 08 Ekim 2017
- XIII. **ELEKTROSPİNNİNG YÖNTEMİYLE ÜRETİLEN GÜMÜŞ KATKILANMIŞ KİTOSAN NANOFİBERLERİN BAKTERİ ÜZERİNDEKİ ETKİSİNİN İNCELENMESİ**
ÇİÇEK BEZİR N., Bozkurt B., Özcan B., ŞAHİN S., KIR E., EVCİN A., AKARCA G., ÖZMEN İ., Kayalı R.
I. International Scientific and Vocational Studies Congress, 5 - 08 Ekim 2017
- XIV. **Preparation of Nanofiber membranes, characterization and using in separation process**
Özcan B., KIR E., ÇİÇEK BEZİR N., ŞAHİN S., ÖZMEN İ.
I. International Scientific and Vocational Studies Congress (BILMES 2017), 5 - 08 Ekim 2017
- XV. **S Sahin I Ozmen G Yıldırım S Percin Ozkorucuklu Preparation of Polypyrrole based electrodes for Glucose 6 phosphate determination 3rd International Congress on Biosensors Oral presentation OP0107 5 7 October 2016 Ankara Turkey**
ŞAHİN S., ÖZMEN İ., yıldırım g., PERÇİN ÖZKORUCUKLU S.
3rd International Congress on Biosensors, Oral presentation (OP0107), 5-7 October 2016, Ankara-Turkey., 5 - 07 Ekim 2016
- XVI. **Preparation of Polypyrrole Based Electrodes for Glucose 6 phosphate Determination**
ŞAHİN S., ÖZMEN İ., YILDIRIM G., PERÇİN ÖZKORUCUKLU S.
3rd International Congress on Biosensors, 5 - 07 Ekim 2016
- XVII. **Development of Chitosan PVA Silver Membrane with Antimicrobial Activity**
SARDOHAN KÖSEOĞLU T., POYRAZOĞLU ÇOBAN E., KIR E., BIYIK H. H. , ŞAHİN S.
10. Aegean Analytical Chemistry Days, Canakkale, Turkey, 29 Eylül - 02 Ekim 2016
- XVIII. **ŞAHİN S ÖZMEN İ BIYIK H H INVESTIGATION OF INDUSTRIAL APPLICATIONS OF CELLULASE Skopje Macedonia**
ŞAHİN S., ÖZMEN İ., BIYIK H. H.
1st International Conference on Engineering and Natural Sciences, (ICENS-2015, 15 - 19 Mayıs 2015, ss.52
- XIX. **INVESTIGATION OF INDUSTRIAL APPLICATIONS OF CELLULASE**
ŞAHİN S., ÖZMEN İ., BIYIK H. H.
1st International Conference on Engineering and Natural Sciences, (ICENS-2015), Skopje, Makedonya, 15 - 19 Mayıs 2015, ss.52
- XX. **EFFECT OF NONIONIC AND ANIONIC SURFACTANTS ON ENDOGLUCANASE**
DEMİR S. n. , ŞAHİN S., ÖZMEN İ.
1st International Conference on Engineering and Natural Sciences(ICENS-2015), Skopje, Makedonya, 15 - 19 Mayıs 2015, ss.43
- XXI. **DETERMINATION OF CELLULASE PRODUCING THERMOPHILIC BACTERIA ISOLATES**
ŞAHİN S., ÖZMEN İ., BAŞBÜLBÜL G.
1st International Conference on Engineering and Natural Sciences, (ICENS-2015), Skopje, Makedonya, 15 - 19

Mayıs 2015

- XXII. **ŞAHİN S ÖZMEN İ BAŞBÜLBÜL G DETERMINATION OF CELLULASE PRODUCING THERMOPHILIC BACTERIA ISOLATES** Skopje Macedonia
ŞAHİN S., ÖZMEN İ., BAŞBÜLBÜL G.
1st International Conference on Engineering and Natural Sciences, (ICENS-2015), 15 - 19 Mayıs 2015, ss.53
- XXIII. **DEMİR S N ŞAHİN S ÖZMEN İ EFFECT OF NONIONIC AND ANIONIC SURFACTANTS ON ENDOGLUCANASE** Skopje Macedonia
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1st International Conference on Engineering and Natural Sciences, (ICENS-2015), 15 - 19 Mayıs 2015, ss.43
- XXIV. **Production of endoglucanase from local isolate Aspergillus niger and its optimization under submerged fermentation**
ŞAHİN S., ÖZMEN İ.
4th International Conference on Novel Enzymes, Ghent, Belçika, 14 - 17 Ekim 2014, ss.94
- XXV. **Evaluation of enzymatic hydrolysis of different lignocellulosic materials pretreated with NaOH and H2SO4**
ŞAHİN S., ÖZMEN İ.
4th International Conference on Novel Enzymes, 14 - 17 Ekim 2014, ss.94
- XXVI. **Optimization of protease immobilization conditions** 4th International Conference on Novel Enzymes
ŞAHİN S., ÖZMEN İ.
4th International Conference on Novel Enzymes, Ghent, Belçika, 14 - 17 Ekim 2014, ss.93
- XXVII. **Effect of endo β 1 4 glucanase obtained from local isolate Trichoderma aureoviride on denim garment**
ŞAHİN S., ÖZMEN İ.
4th International Conference on Novel Enzymes, 14 Ekim - 17 Haziran 2014, ss.93
- XXVIII. **Cellulase Production on Different Carbon Sources and Its Substrate Specificity** 123 June 4 6 2014
Istanbul TURKEY
DEMİR S. N. , ŞAHİN S., ÖZMEN İ.
2nd International Conference on Recycling and Reuse- (R&R, 2014), 4 - 06 Haziran 2014
- XXIX. **Optimization of Protease Production under Solid State Fermentation**
ŞAHİN S., DEMİR S. N. , ÖZMEN İ.
2nd International Conference on Recycling and Reuse-(R&R2014), 4 - 06 Haziran 2014, ss.125
- XXX. **Production of Protease under Submerged Fermentation**
ŞAHİN S., YEŞİM g., ÖZMEN İ.
2nd International Conference on Recycling and Reuse- (R&R, 2014), 4 - 06 Haziran 2014, ss.127
- XXXI. **Effect of Some Metal Ions and Surfactants on Cellulase Obtained from Aspergillus niger**
DEMİR s. n. , ŞAHİN S., ÖZMEN İ.
2nd International Conference on Recycling and Reuse- (R&R, 2014), 4 - 06 Haziran 2014, ss.89
- XXXII. **Biosurfactant Effect on Cellulase Activity**
ŞAHİN S., ÖZMEN İ.
International enzymes for Biocatalysis, 3 - 05 Haziran 2014, ss.57
- XXXIII. **Çeşitli İyon ve Deterjanların Selüloz Aktivitesine Etkisinin İncelenmesi**
ŞAHİN S., ÖZMEN İ.
KROMOTOGRAFI 2013, Türkiye, 19 Haziran 2013 - 22 Ocak 2014
- XXXIV. **Enzymatic Hydrolyzed of Pretreatment Sawdust with Purified Cellulase**
ŞAHİN S., ÖZMEN İ.
International Conference on Environmental Science and Technology (ICOEST'xx2013), 18 - 21 Haziran 2013
- XXXV. **Purification and Determination of Optimal Values of Cellulase from Local Isolate Aspergillus niger**
Demir S. n. , ÖZMEN İ., ŞAHİN S.
International Conference on Environmental Science and Technology (ICOEST'xx2013), 18 - 21 Haziran 2013, ss.657
- XXXVI. **Determination of Kinetic Properties of Endo β 1 4 Glucanase Obtained from Trichoderma ouroviride**
ŞAHİN S., ÖZMEN İ., DEMİR S. N.

- International Conference on Enviromental Science and Technology (ICOEST'xx2013), 18 - 21 Haziran 2013
- XXXVII. **Yerel mikroorganizmalardan elde edilen biyoteknolojik ürünlerin Türkiye de ilk defa Isparta pomzası kullanılarak saflaştırılması ve peynir yapımı kağıt atıklarının değerlendirilmesi biyoetanol eldesi kot taşlamada kullanımı**
ÖZMEN İ., ŞAHİN S., Demir S. N.
ISPARTEK 2013, Isparta, Türkiye, 15 - 17 Mayıs 2013, ss.43
- XXXVIII. **Purification and Characterization of Endo- β -1,4-Glucanase from Local Isolate Trichoderma Oroviride**
ŞAHİN S., ÖZMEN İ., BIYIK H. H.
2013 3rd International Conference on Bioscience, Biochemistry and Bioinformatics – ICBBB 2013., Roma, İtalya, 24 - 25 Şubat 2013, cilt.3, ss.129-132
- XXXIX. **PURIFICATION OF ALKALINE PROTEASE FROM BACILLUS SUBTILIS AND ITS IMMOBILIZATION ON POLYSULPHONE MEMBRANE**
ŞAHİN S., KIR E., ÖZMEN İ.
3rd International Symposium on Sustainable Development,(ISSD-2012), 31 Mayıs - 01 Haziran 2012

Desteklenen Projeler

ŞAHİN S., Diğer Resmi Kurumlarca Desteklenen Proje, Glukoz-6-fosfat dehidrogenaz enziminin immobilizasyonu için manyetik nanopartiküllerin hazırlanması, karakterizasyonu ve optimizasyonu, 2016 - 2018

Atıflar

Toplam Atıf Sayısı (WOS):70
h-indeksi (WOS):5

Burslar

2214-A Yurt Dışı Araştırma Burs Programı (Doktora öğrencileri için), TÜBİTAK, 2017 - 2017