

## Prof. İsmail ÖZMEN

### Personal Information

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### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey Continues

### Research Areas

Chemistry, Biochemistry, Biotransformations, Natural Sciences

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

- 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, vol.258, 2021 (Journal Indexed in SCI)
- II. **Immobilization of pectinase on Zr-treated pumice for fruit juice industry**  
ŞAHİN S., ÖZMEN İ.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.44, no.8, 2020 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- IV. **Covalent immobilization of trypsin on polyvinyl alcohol-coated magnetic nanoparticles activated with glutaraldehyde**  
ŞAHİN S., ÖZMEN İ.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.184, 2020 (Journal Indexed in SCI)
- V. **Optimization for coproduction of protease and cellulase from Bacillus subtilis M-11 by the Box-Behnken design and their detergent compatibility**  
YAZICI S. Ö. , ÖZMEN İ.  
BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING, vol.37, no.1, pp.49-59, 2020 (Journal Indexed in SCI)
- VI. **Synthesis of new calix[4] arene amide derivatives and investigation of their DNA cleavage activity**  
Ozkan S. C. , Yilmaz A., ÖZMEN İ.  
SUPRAMOLECULAR CHEMISTRY, vol.26, no.1, pp.25-31, 2014 (Journal Indexed in SCI)
- VII. **Synthesis, Characterization and DNA Cleaving Studies of New Organocobaloxime Derivatives**  
Erdem-Tuncmen M., KARİPCİN F., ÖZMEN İ.  
ACTA CHIMICA SLOVENICA, vol.60, no.1, pp.131-137, 2013 (Journal Indexed in SCI)
- VIII. **4,4'-(DIPHENYLMETHANE-4,4'-DIYLDINITRIL)DIPENTAN-2-ONE AND 4,4'-(DIPHENYLETHER-4-4**

**'-DIYLDINITRILO)DIPENTAN-2-ONE LIGANDS AND THEIR Ni(II), Cu(II) COMPLEXES: SYNTHESIS, CHARACTERIZATION, DNA CLEAVAGE STUDIES**

KARİPCİN F., ÖZMEN İ., CULU B.

JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.57, no.1, pp.1029-1032, 2012 (Journal Indexed in SCI)

- IX. **Synthesis, Characterization, Electrochemical Behavior, and Biological Studies of 1-p-Diphenylmethane-2-hydroxyimino-2-(arylamino)-1-ethanone Copper(II) and Ruthenium(III) Complexes**  
KARİPCİN F., Percin-Ozkorucuklu S., ÖZMEN İ., Baskale-Akdogan G.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.42, no.7, pp.944-950, 2012 (Journal Indexed in SCI)
- X. **Synthesis, Characterization, Thermal Behavior, and DNA-Cleaving Studies of Cyano-Bridged Nickel(II)-Copper(II) Complexes of 4-(Pyridin-2-ylazetyl)-resorcinol**  
KARİPCİN F., ÖZMEN İ., CULU B., Celikoglu U.  
CHEMISTRY & BIODIVERSITY, vol.8, no.10, pp.1871-1879, 2011 (Journal Indexed in SCI)
- XI. **Synthesis, characterization, catalase functions and DNA cleavage studies of new homo and heteronuclear Schiff base copper(II) complexes**  
DEDE B., ÖZMEN İ., KARİPCİN F.  
POLYHEDRON, vol.28, no.18, pp.3967-3974, 2009 (Journal Indexed in SCI)
- XII. **Homo- and heteropolynuclear copper(II) complexes containing a new diimine-dioxime ligand and 1,10-phenanthroline: synthesis, characterization, solvent-extraction studies, catalase-like functions and DNA cleavage abilities**  
Dede B., ÖZMEN İ., KARİPCİN F., CENGİZ M.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.23, no.12, pp.512-519, 2009 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Didemnins Inhibit COVID-19 Main Protease (Mpro)**  
ŞAHİN S., Calapoğlu F., ÖZMEN İ.  
Biointerface Research in Applied Chemistry, vol.11, no.1, pp.8204-8209, 2020 (Refereed Journals of Other Institutions)
- 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, vol.4, no.2, pp.1-6, 2020 (Refereed Journals of Other Institutions)
- III. **Pectinase Production with Waste Materials by Local Water Isolate of Aspergillus fumigatus Strain 2101 and Purification and Characterization of the Enzyme**  
yamancı h., POTURCU K., ÖZMEN İ., BIYIK H. H.  
Hacettepe Journal of Biology and Chemistry, vol.1, no.44, pp.5, 2016 (Refereed Journals of Other Institutions)
- IV. **Purification and Characterization of Endo β 1 4 glucanase from Local Isolate Trichoderma ouoviride**  
ŞAHİN S., ÖZMEN İ., BIYIK H. H.  
International Journal of Bioscience, Biochemistry and Bioinformatics, vol.3, no.2, pp.129-132, 2013 (Non-Refreed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Surface modification of TiO<sub>2</sub> for immobilization of enzyme**  
ŞAHİN S., ÖZMEN İ.  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Turkey,

7 - 09 October 2020, pp.307

- II. **IMMOBILIZATION OF PROTEASE ONTO Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>-NH<sub>2</sub> NANOPARTICLES AND CHARACTERIZATION OF ITS BIOCHEMICAL PROPERTIES**  
ÇALIMLI r., ŞAHİN S., ÖZMEN İ.  
3. ULUSLARARASI GAP MATEMATİK- MÜHENDİSLİK-FEN VE SAĞLIK BİLİMLERİ KONGRESİ, 29 November - 01 December 2019, pp.125
- III. **SCHIFF BAZI BAKIR-MANGAN KOMPLEKSİNİN PROSTAT KANSERLİ HÜCRE HATLARINDA SİTOTOKSİTESİNİN BELİRLENMESİ**  
BAŞAK TÜRKMEN N., ÖZMEN İ., DEDE B., ŞAHİN F.  
3. uluslararası GAP matematik-mühendislik-fen ve sağlık bilimleri kongresi, 29 November - 01 December 2019
- 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 April 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 April 2019
- VI. **Immobilization of Trypsin on PVA-Coated Magnetic Nanoparticles**  
ŞAHİN S., ÖZMEN İ.  
2nd Eurasia Biochemical Approaches Technologies (EBAT) Congress, 26 - 29 October 2019
- VII. **ECBALLIUM ELATERIUM (L.) RICH BİTKİSİNDEN ELDE EDİLEN EKSTRAKTLARIN ANTİOKSİDAN AKTİVİTESİNİN BELİRLENMESİ**  
ÖZBEK YAZICI S., ÖZMEN İ.  
1st INTERNATIONAL HEALTH SCIENCE and LIFE CONGRESS, Burdur, Turkey, 2 - 05 May 2018, pp.825
- VIII. **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 May 2018
- IX. **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 October 2017
- X. **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 October 2017
- XI. **Determination of Dissociation Constants of Azole Antifungal Agents by Reversed Phase HPLC Method.**  
POTURCU K., Şanlı S., Şanlı N., ALSANCAK A. G. , ÖZMEN İ., CALAPOĞLU M.  
International Congress on Applied Biological Sciences, 27 - 31 May 2016
- XII. **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 October 2016
- XIII. **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 October 2016
- XIV. **Bakır II Tayininde Tiyoüre Bileşiklerinin Elektrokatalitik Etkisinin İncelenmesi**  
SARDOHAN KÖSEOĞLU T., KIR B., PERÇİN ÖZKORUCUKLU S., KÖSEOĞLU H., KARİPCİN F., ÖZMEN İ.  
8. Ulusal analitik kimya Kongresi, Isparta, Turkey, 30 May - 03 June 2016
- XV. **Poturcu K Sanli S K Sanli N Alsancak A G Ozmen I Calapoglu M Determination of Dissociation**

**Constants of Azole Antifungal Agents by Reversed Phase HPLC Method**

POTURCU K., ŞANLI S., ŞANLI N., ALSANCAK A. G. , ÖZMEN İ., CALAPOĞLU M.

International Congress on Applied Biological Sciences, ICABS, Sarajevo, Bosnia And Herzegovina, 27 - 31 May 2016

- XVI. **İsokonazol, Mikonazol ve Tiokonazolün Protonasyon Sabitlerinin Potansiyometrik Titrasyon Yöntemiyle Tayini.**  
POTURCU K., özmen i., ALSANCAK A. G.  
8. Ulusal Analitik Kimya Kongresi, Isparta, Turkey, 30 May 2016 - 03 June 2019, pp.100
- XVII. **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 May 2015, pp.52
- XVIII. **INVESTIGATION OF INDUSTRIAL APPLICATIONS OF CELLULASE**  
ŞAHİN S., ÖZMEN İ., BIYIK H. H.  
1st International Conference on Engineering and Natural Sciences, (ICENS-2015), Skopje, Macedonia, 15 - 19 May 2015, pp.52
- XIX. **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, Macedonia, 15 - 19 May 2015, pp.43
- XX. **DETERMINATION OF CELLULASE PRODUCING THERMOPHILIC BACTERIA ISOLATES**  
ŞAHİN S., ÖZMEN İ., BAŞBÜLBÜL G.  
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- XXI. **ŞAHİN S ÖZMEN İ BAŞBÜLBÜL G DETERMINATION OF CELLULASE PRODUCING THERMOPHILIC BACTERIA ISOLATES** Skopje Macedonia  
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- XXII. **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 May 2015, pp.43
- XXIII. **Action of ascorbic acid and sulphate salts on pectin lyase produced by Aspergillus niger**  
hacer c., ÖZMEN İ., POTURCU K.  
XII International Conference on Biochemistry, Biophysics and Molecular Biology (XII. ICBBMB, Madrid, Spain, 10 - 11 November 2014
- XXIV. **Production of pectin lyase with three different Aspergillus niger strains**  
POTURCU K., ÖZMEN İ.  
XII International Conference on Biochemistry, Biophysics and Molecular Biology (XII. ICBBMB), Madrid, Spain, 10 - 11 November 2014
- XXV. **Pectinase production from 2 submerged media and its application on clarification and ascorbic acid determination of apricot and lemon juices**  
POTURCU K., KIR b., AKYOL a., ÖZMEN İ.  
XII International Conference on Biochemistry, Biophysics and Molecular Biology (XII. ICBBMB), Madrid, Spain, 10 - 11 November 2014
- XXVI. **Effects of several ions and chemicals onthermostable pectin lyase secreted by Aspergillus niger**  
POTURCU K., ÖZMEN İ.  
XII International Conference on Biochemistry, Biophysics and Molecular Biology (XII. ICBBMB), Madrid, Spain, 10 - 11 November 2014
- XXVII. **Determination of pH stability and thermal stability of pectin lyase**  
POTURCU K., ÖZMEN İ.  
XII International Conference on Biochemistry, Biophysics and Molecular Biology (XII. ICBBMB), Madrid, Spain, 10 -

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- XXVIII. **Evaluation of enzymatic hydrolysis of different lignocellulosic materials pretreated with NaOH and H<sub>2</sub>SO<sub>4</sub>**  
ŞAHİN S., ÖZMEN İ.  
4th International Conference on Novel Enzymes, 14 - 17 October 2014, pp.94
- XXIX. **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, Belgium, 14 - 17 October 2014, pp.94
- XXX. **Optimization of protease immobilization conditions 4th International Conference on Novel Enzymes**  
ŞAHİN S., ÖZMEN İ.  
4th International Conference on Novel Enzymes, Ghent, Belgium, 14 - 17 October 2014, pp.93
- XXXI. **Effect of endo  $\beta$  1 4 glucanase obtained from local isolate *Trichoderma aureoviride* on denim garment**  
ŞAHİN S., ÖZMEN İ.  
4th International Conference on Novel Enzymes, 14 October - 17 June 2014, pp.93
- XXXII. **Production of Protease under Submerged Fermentation**  
ŞAHİN S., YEŞİM g., ÖZMEN İ.  
2nd International Conference on Recycling and Reuse- (R&R, 2014), 4 - 06 June 2014, pp.127
- XXXIII. **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 June 2014, pp.89
- XXXIV. **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 June 2014, pp.125
- XXXV. **Cellulase Production on Different Carbon Sources and Its Substrate Specificity 123 June 4 6 2014 Istanbul TURKEY**  
DEMİR S. N. , ŞAHİN S., ÖZMEN İ.  
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- XXXVI. **Biosurfactant Effect on Cellulase Activity**  
ŞAHİN S., ÖZMEN İ.  
International enzymes for Biocatalysis, 3 - 05 June 2014, pp.57
- XXXVII. **Pectinase Production from Waste Materials and its applications on Fruit Juice Samples**  
POTURCU K., ÖZMEN İ.  
2nd International Conference on Environmental Science and Technology, The ICOEST, Antalya, Turkey, 14 - 17 May 2014
- XXXVIII. **Çeşitli İyon ve Deterjanların Selüloz Aktivitesine Etkisinin İncelenmesi**  
ŞAHİN S., ÖZMEN İ.  
KROMOTOGRAFI 2013, Turkey, 19 June 2013 - 22 January 2014
- XXXIX. **Characterization of Pectin Lyase from Thermophilic *Aspergillus Niger* Isolated from Natural Sources**  
HACER c., POTURCU K., ÖZMEN İ.  
6.Black Sea Basin Conference On Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013
- XL. **Enzymatic Hydrolyzed of Pretreatment Sawdust with Purified Cellulase**  
ŞAHİN S., ÖZMEN İ.  
International Conference on Environmental Science and Technology (ICOEST'xx2013), 18 - 21 June 2013
- XLI. **Determination of Kinetic Properties of Endo  $\beta$  1 4 Glucanase Obtained from *Trichoderma ouroviride***  
ŞAHİN S., ÖZMEN İ., DEMİR S. N.  
International Conference on Environmental Science and Technology (ICOEST'xx2013), 18 - 21 June 2013
- XLII. **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 June 2013, pp.657

- XLIII. 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, Turkey, 15 - 17 May 2013, pp.43
- XLIV. Purification and Characterization of Endo- $\beta$ -1,4-Glucanase from Local Isolate Trichoderma Ouroviride**  
ŞAHİN S., ÖZMEN İ., BIYIK H. H.  
2013 3rd International Conference on Bioscience, Biochemistry and Bioinformatics – ICBBB 2013., Roma, Italy, 24 - 25 February 2013, vol.3, pp.129-132
- XLV. 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 May - 01 June 2012
- XLVI. Depresyonda oluşturulan farelerin beyininde oksidatif stres üzerinde venlafaksin etkileri**  
EREN İ., NAZIROĞLU M., DEMİRDAŞ A., ÇELİK Ö., UĞUZ A. C. , ÖZMEN İ.  
1. İyon kanalları ve oksidatif stres kongresi, Turkey, 14 - 16 September 2006

## Citations

Total Citations (WOS):108

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