

# Prof. GÜZİDE YÜCEBİLGİÇ

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## Education Information

Doctorate, Cukurova University, Tıp Fak./Sağlık Bilimleri, Biyokimya, Turkey 1991 - 1995

## Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, Natural Sciences

## Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2010 - Continues

## Advising Theses

YÜCEBİLGİÇ G., Non-Hodgkin Lenfomalı Bireylerde Paraoksanaz Polimorfizmi ve Paraoksanazın Aktivitesinin Belirlenmesi, Doctorate, E.Çınar(Student), 2015

YÜCEBİLGİÇ G., Lipaz Enziminin Magnetik Nanopartiküllere Farklı Ara kollar Üzerinden İmmobilizasyonu ve Karakterizasyonu, Postgraduate, M.Şengül(Student), 2013

YÜCEBİLGİÇ G., Üreaz Enziminin Magnetik Nanopartiküllere Farklı Ara Kollar Üzerinden İmmobilizasyonu ve Karakterizasyonu, Doctorate, N.Güleşçi(Student), 2013

YÜCEBİLGİÇ G., Bazı Kuru ve Taze Meyvelerin Antioksidan Kapasitelerinin Araştırılması, Postgraduate, B.Fennibilek(Student), 2012

YÜCEBİLGİÇ G., Pektinaz enziminin farklı iki destek üzerine immobilizasyonu ve karakterizasyonu, Postgraduate, F.Yener(Student), 2007

YÜCEBİLGİÇ G., Keten Tohumu (Linum usitatissimum) ekstraktında Katalaz ve Süperoksit dismutaz enzim aktiviteleri, Postgraduate, Y.Bozdemir(Student), 2007

YÜCEBİLGİÇ G., Akrilamidin kanda Na<sup>+</sup>-K<sup>+</sup> ATPaz enzim aktivitesi ve glutasyon, hemoglobin, albumin düzeylerine etkisi, Postgraduate, Z.Keskin(Student), 2007

## Published journal articles indexed by SCI, SSCI, and AHCI

- Immobilization of recombinant l-asparaginase from Geobacillus kaustophilus on magnetic MWCNT-nickel composites**  
Özdemir F. İ., Karaaslan B., Tülek A., Yucebilgic G., Yıldırım D.

PROCESS BIOCHEMISTRY, vol.127, pp.10-20, 2023 (SCI-Expanded)

- II. **Different spacer-arm attached magnetic nanoparticles for covalent immobilization of Jack bean urease**  
Gulesci N., Yucebilgic G., Yildirim D.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.47, no.4, pp.501-509, 2022 (SCI-Expanded)
- III. **The effect of Paraoxonase gene polymorphisms and paraoxonase enzyme activity on Non-Hodgkin lymphoma**  
ÇINAR E., Akgollu E., YÜCEBİLGİÇ G., BİLGİN R., PAYDAŞ S.  
NUCLEOSIDES NUCLEOTIDES & NUCLEIC ACIDS, vol.41, no.5-6, pp.489-502, 2022 (SCI-Expanded)
- IV. **Immobilization and characterization of urease onto different spacer arms attached magnetic nanoparticles**  
YÜCEBİLGİÇ G., GÜLEŞCİ N., YILDIRIM D.  
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)
- V. **Oxidative Stress in Vivax Malaria**  
BİLGİN R., YALCIN M. S., YÜCEBİLGİÇ G., KOLTAŞ İ. S., Yazar S.  
KOREAN JOURNAL OF PARASITOLOGY, vol.50, no.4, pp.375-377, 2012 (SCI-Expanded)
- VI. **Partial purification and immobilization of a new (R)-hydroxynitrile lyase from seeds of Prunus pseudoarmeniaca**  
TÜKEL S. S., YILDIRIM D., ALAGÖZ D., Alptekin O., Yucebilgic G., BİLGİN R.  
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.66, pp.161-165, 2010 (SCI-Expanded)
- VII. **Catalase and Superoxide Dismutase Enzymes Activities in Flaxseed (Linum Usitatissimum) Extract**  
YÜCEBİLGİÇ G., Bozdemir Y.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.3, pp.2013-2017, 2010 (SCI-Expanded)
- VIII. **Antioxidant Enzyme Status in Human Cystic Echinococcosis**  
YÜCEBİLGİÇ G., BİLGİN R., ERBAKAN M., KOLTAŞ İ. S., PARSAK C. K.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.7, pp.5453-5457, 2009 (SCI-Expanded)
- IX. **APPLICATION OF FREE AND IMMOBILIZED EPOXIDE HYDROLASE IN ENANTIOSELECTIVE HYDROLYSIS OF STYRENE OXIDE**  
YILDIRIM D., Tükel S., YÜCEBİLGİÇ G.  
IUBMB LIFE, vol.61, no.3, pp.379, 2009 (SCI-Expanded)
- X. **Serum malondialdehyde level in patients with cystic echinococcosis**  
Koltas I. S., Yucebilgic G., Bilgin R., Parsak C. K., Sakman G.  
SAUDI MEDICAL JOURNAL, vol.27, no.11, pp.1703-1705, 2006 (SCI-Expanded)
- XI. **Effects of Daflon on oxidative stress induced by hindlimb ischemia/reperfusion**  
UNLU A., Sucu N., Tamer L., Coşkun B., Yucebilgic G., Ercan B., GUL A., Dikmengil M., Atik U.  
PHARMACOLOGICAL RESEARCH, vol.48, no.1, pp.11-15, 2003 (SCI-Expanded)
- XII. **Effects of lead on Na<sup>+</sup>-K<sup>+</sup> ATPase and Ca<sup>2+</sup> ATPase activities and lipid peroxidation in blood of workers**  
Yucebilgic G., Bilgin R., Tamer L., Tükel S. S.  
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.22, no.2, pp.95-97, 2003 (SCI-Expanded)
- XIII. **Effects of Daflon on oxidative stress induced by hindlimb ischemia/reperfusion**  
Ünlü A., Sucu N., Tamer L., Coşkun B., YÜCEBİLGİÇ G., Ercan B., Gül A., Dikmengil M., Atik U.  
PHARMACOLOGICAL RESEARCH, vol.48, pp.11-15, 2003 (SCI-Expanded)
- XIV. **Decreased serum total antioxidant status and erythrocyte-reduced glutathione levels are associated with increased serum malondialdehyde in atherosclerotic patients**  
Tamer L., Sucu N., POLAT G., Ercan B., AYTACOĞLU B., Yucebilgic G., UNLU A., Dikmengil M., Atik U.  
ARCHIVES OF MEDICAL RESEARCH, vol.33, no.3, pp.257-260, 2002 (SCI-Expanded)
- XV. **Decreased serum total antioxidant status and erythrocyte-reduced glutathione levels are associated with increased serum malondialdehyde in atherosclerotic patients**  
Tamer L., Sucu N., Polat G., Ercan B., Aytacoglu B., YÜCEBİLGİÇ G., Ünlü A., Dikmengil M., Atik U.  
ARCHIVES OF MEDICAL RESEARCH, vol.33, pp.257-260, 2002 (SCI-Expanded)

- XVI. **The effect of lead on sera malonyldialdehyde, vitamin C, vitamin E and erythrocyte reduced glutathione**  
Tamer L., Yucebilgic G., Bilgin R., Tanriverdi K., Tukul S.  
BIOCHEMICAL ARCHIVES, vol.14, no.3, pp.207-210, 1998 (SCI-Expanded)
- XVII. **Zinc and selenium status of healthy children from the Central Anatolian region of Turkey**  
İsbir T., Taylor A., Tamer L., YÜCEBİLGİÇ G., Öner A.  
TRACE ELEMENTS AND ELECTROLYTES, vol.14, no.2, pp.87-90, 1997 (SCI-Expanded)
- XVIII. **Zinc and selenium status of healthy children from the Central Anatolian region of Turkey**  
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TRACE ELEMENTS AND ELECTROLYTES, vol.14, no.2, pp.87-90, 1997 (SCI-Expanded)
- XIX. **ZINC, COPPER, MAGNESIUM AND SICKLE-CELL-ANEMIA**  
İsbir T., YUCEBİLGİÇ G., Tamer L., BASLAMILI F., Koçak R., Taylor A.  
TRACE ELEMENTS AND ELECTROLYTES, vol.12, no.3, pp.161, 1995 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Review on Evaluation of Physalis peruviana L.'s Antioxidant, Antimicrobial and Biochemical Activities**  
Güleşci N., Yucebilgic G., Bilgin R.  
Asian Journal of Research in Biochemistry, vol.9, no.2, pp.30-39, 2021 (Peer-Reviewed Journal)
- II. **Age-related changes in antioxidant enzyme activities**  
BİLGİN R., Kurt N., GÜLEŞCİ N., YÜCEBİLGİÇ G.  
Annals of Clinical Nutrition, 2020 (Peer-Reviewed Journal)
- III. **Pulsed Magnetic Field on antioxidant system alpha-carrageenan induced acute paw edema**  
ÖCAL I., Mert T., YÜCEBİLGİÇ G.  
CUKUROVA MEDICAL JOURNAL, vol.42, no.4, pp.630-636, 2017 (Peer-Reviewed Journal)
- IV. **Pulsed magnetic field action on antioxidant system in lambda-carrageenan induced acute paw edema**  
ÖCAL I., MERT T., YÜCEBİLGİÇ G.  
CUKUROVA MEDICAL JOURNAL, vol.42, no.4, pp.630-636, 2017 (ESCI)
- V. **Serum and hair zinc, copper and magnesium levels in patients with pulmonary tuberculosis**  
Çekirdekçi A., Köksel O., İlhan N., Tamer L., YÜCEBİLGİÇ G., İsbir T., Ulus T.  
FIRAT ÜNİVERSİTESİ SAĞLIK BİLİMLERİ TIP DERGİSİ, vol.9, no.1, pp.46-48, 1995 (Peer-Reviewed Journal)
- VI. **Serum, lökosit ve saç çinko düzeylerinin araştırılması**  
İsbir T., YÜCEBİLGİÇ G., BAŞLAMIŞLI İ. F., Sunguroğlu K., SATAR M., Kahraman E.  
Optimal Tıp Dergisi, vol.5, no.1, pp.45-48, 1992 (Peer-Reviewed Journal)
- VII. **Serviks kanseri olgularında doku bakır, çinko ve magnezyum seviyeleri**  
Altıntaş A., Atay Y., YÜCEBİLGİÇ G., Arıdoğan N., İsbir T.  
KADIN DOĞUM DERGİSİ, vol.7, no.3, pp.197-198, 1991 (Peer-Reviewed Journal)
- VIII. **Çinko tolerans testinin genel anestezi almış olgularda plazma bakır düzeyine olan etkisi**  
IŞIK A., Özcengiz D., Yucebilgic G., Günlüsen C., İsbir T.  
CUKUROVA ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ, no.4, pp.565-567, 1989 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Immobilization of L-Asparaginase on Magnetic Nanoparticles**  
Varan N. E., Yucebilgic G.  
4th Eurasia Biochemical Approaches & Technologies, Antalya, Turkey, 3 - 06 November 2022, pp.250
- II. **Investigation of Free And Immobilized Cellulase Activity in Buffer-Ionic Liquid Medium**  
YÜCEBİLGİÇ G., Güngör Ö., YILDIRIM D.

1. Euroasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 27 - 30 October 2018, pp.104
- III. **Investigation of Free And Immobilized Cellulase Activity in Buffer-Ionic Liquid Medium**  
YÜCEBİLGİÇ G., Güngör Ö., YILDIRIM D.  
1. Euroasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 27 - 30 October 2018, pp.104
- IV. **Covalent Immobilization and Characterization of Chloroperoxidase Enzyme Onto Immobead 150**  
YÜCEBİLGİÇ G., YILDIRIM D., TOPRAK A.  
IX INTERNATIONAL CONFERENCE IN CHEMISTRY KYIV-TOULOUSE (ICKT-9), Kiev, Ukraine, 4 - 09 June 2017, pp.195
- V. **Immobilization and characterization of urease onto different spacer arms attached magnetic nanoparticles**  
YÜCEBİLGİÇ G., Güleşci N., YILDIRIM D.  
17th European Congress on Biotechnology, Krakow, Poland, 3 - 06 July 2016, vol.33S, pp.104
- VI. **Immobilization and characterization of urease onto different spacer arms attached magnetic nanoparticles**  
YÜCEBİLGİÇ G., Güleşci N., YILDIRIM D.  
17th European Congress on Biotechnology, Krakow, Poland, 3 - 06 July 2016, vol.33S, pp.104
- VII. **Immobilization and characterization of Candida rugosa lipase on magnetic nanoparticles through different spacer arms**  
Şengül M., Beykan L., YILDIRIM D., YÜCEBİLGİÇ G.  
NCC6 - The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016, pp.87
- VIII. **Immobilization and characterization of Candida rugosa lipase on magnetic nanoparticles through different spacer arms**  
Şengül M., Beykan L., YILDIRIM D., YÜCEBİLGİÇ G.  
NCC6 - The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016, pp.87
- IX. **Applicaton of free and immobilized epoxide hydrolase in enantioselective hydrolysis of styrene oxide**  
YILDIRIM D., TÜKEL S. S., YÜCEBİLGİÇ G.  
. Third International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 08 May 2009, pp.379
- X. **Applicaton of free and immobilized epoxide hydrolase in enantioselective hydrolysis of styrene oxide**  
YILDIRIM D., TÜKEL S. S., YÜCEBİLGİÇ G.  
. Third International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 08 May 2009, pp.379
- XI. **Applicaton of free and immobilized epoxide hydrolase in enantioselective hydrolysis of styrene oxide**  
YILDIRIM D., TÜKEL S. S., YÜCEBİLGİÇ G.  
. Third International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 08 May 2009, pp.379
- XII. **Purification of soybean lipoxygenase**  
TÜKEL S. S., YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.  
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XIII. **Purification of soybean lipoxygenase**  
TÜKEL S. S., YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.  
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XIV. **Purification of soybean lipoxygenase**  
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13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XV. **Purification of soybean lipoxygenase**  
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13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XVI. **Purification of soybean lipoxygenase**  
Tukel S., Yildirim D., Bilgin R., Yucebilgic G.  
30th Congress of the Federation-of-European-Biochemical-Societies (FEBS)/9th IUBMB Conference, Budapest,

## Supported Projects

YÜCEBİLGİÇ G., YILDIZ E., Project Supported by Higher Education Institutions, Kimya Bölümü Öğretim ve Döner Sermaye Analizleri İçin Kullanılan Cihazların Onarımı ve Laboratuvarın Güçlendirilmesi, 2018 - 2021

YÜCEBİLGİÇ G., Çölkesen F. N., Project Supported by Higher Education Institutions, Selülaz enziminin epoksi metakrilat ve epoksi butil metakrilat ile immobilizasyonu ve karakterizasyonu, 2018 - 2020

YÜCEBİLGİÇ G., YILDIRIM D., Güngör Ö., Project Supported by Higher Education Institutions, Serbest ve Kovalent Olarak İmmobilize Edilmiş Selülazın Klor İyonu İçeren Katyonları Farklı İmidazolyum Tabanlı Çeşitli İyonik Sıvılar İçerisinde Aktivitelerinin Araştırılması, 2017 - 2019

YÜCEBİLGİÇ G., PAYDAŞ S., Project Supported by Higher Education Institutions, Paraoxonase1 Gene Polymorphisms and Serum Paraoxonase Activity in Turkish NonHodgkin Lymphoma Patients, 2015 - 2016

YÜCEBİLGİÇ G., Project Supported by Higher Education Institutions, Kloroperoksidaz Enziminin Manyetik Desteğe Glutaraldehit Ara Kolu Üzerinden İmmobilizasyonu ve Karakterizasyonu, 2013 - 2016

## Scientific Refereeing

Project Supported by Higher Education Institutions, November 2017

Cellular and Molecular Biology, National Scientific Refreed Journal, October 2017

TUBITAK Project, July 2017

Project Supported by Higher Education Institutions, December 2016

Project Supported by Higher Education Institutions, December 2016

Project Supported by Higher Education Institutions, October 2016

Project Supported by Higher Education Institutions, May 2015

## Metrics

Publication: 46

Citation (WoS): 120

Citation (Scopus): 127

H-Index (WoS): 6

H-Index (Scopus): 6

## Non Academic Experience

Çukurova Üniversitesi Fen-Edebiyat Fak. Kimya Böl.

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