

## Prof. CAHİT AKGÜL

### Personal Information

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### Education Information

Doctorate, University of Liverpool, Faculty Of Sciences, School Of Biological Sciences, United Kingdom 1996 - 2000

Undergraduate, Bogazici University, Eğitim Fakültesi, Kimya Öğretmenliği, Turkey 1989 - 1994

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Cytokine-Regulated Gene Expression in Human Neutrophils: Structural and Functional Analysis of the Mcl-1 Gene, University of Liverpool, Faculty Of Sciences, School Of Biological Sciences, 2000

### Research Areas

Life Sciences, Biochemistry, Molecular Biochemistry, Chemistry, Biochemistry, Enzyme Kinetics, Protein Chemistry, Natural Sciences

### Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2012 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2006 - 2012

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2001 - 2006

### Academic and Administrative Experience

Fakülte Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, 2019 - Continues

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2001 - Continues

Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2012 - 2015

Fakülte Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, 2012 - 2015

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2012 - 2015

Canakkale Onsekiz Mart University, Yabancı Diller Yüksekokulu, 2011 - 2013

Canakkale Onsekiz Mart University, Sağlık Yüksekokulu, 2011 - 2012

## Advising Theses

- AKGÜL C., *Trametes versicolor* Lakkaz Enziminin Çeşitli Yöntemlerle İmmobilizasyonu ve Uygulamaları, Doctorate, A.Sercan(Student), 2019
- AKGÜL C., Sığır Serum Albumin Nanoparçacıklarının Üretimi ve Kontrollü Kloramfenikol Salımında Kullanımı, Postgraduate, L.YEŞİLÇİNAR(Student), 2017
- AKGÜL C., Alfa-amilaz ve gama-amilaz Enzimlerinin Çapraz Bağlı Enzim Agregatları (CLEA) Şeklinde İmmobilizasyonu, Postgraduate, A.Sercan(Student), 2013
- AKGÜL C., Malaşit Yeşili Yönteminin Bakteriyel Membran Hasarının Belirlenmesinde Kullanılabilirliğinin İncelenmesi, Postgraduate, M.Bilmez(Student), 2012
- AKGÜL C., Bazı Yaygın Kullanılan Steroid Olmayan Antienflamatuar İlaçların Antibakteriyel Aktivitelerinin Karşılaştırmalı Olarak İncelenmesi, Postgraduate, Z.GÜNDÜZ(Student), 2012
- AKGÜL C., *Euphorbia Sequieriana* Bitkisinden Hazırlanan Özüterin Antibakteriyel Etkilerinin İncelenmesi, Postgraduate, B.Tiryakioğlu(Student), 2004
- AKGÜL C., *Anthemis Tinctoria* (Sarı Papatya) bitkisinden hazırlanan Özüterin Antibakteriyel Etkilerinin İncelenmesi, Postgraduate, G.Sağlıkoğlu(Student), 2004

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

- I. **Fine-tuned preparation of cross-linked laccase nanoaggregates**  
ŞAHUTOĞLU A. S. , AKGÜL C.  
BIOCATALYSIS AND BIOTRANSFORMATION, vol.37, no.6, pp.431-447, 2019 (Journal Indexed in SCI)
- II. **One-phase synthesis of single enzyme nanoparticles (SENS) of *Trametes versicolor* laccase by in situ acrylamide polymerisation**  
ŞAHUTOĞLU A. S. , AKGÜL C.  
BIOCATALYSIS AND BIOTRANSFORMATION, vol.38, no.1, pp.64-74, 2019 (Journal Indexed in SCI)
- III. **Photoelectrochemical glucose biosensor based on a dehydrogenase enzyme and NAD(+)/NADH redox couple using a quantum dot modified pencil graphite electrode**  
Ertek B., AKGÜL C., DİLGİN Y.  
RSC ADVANCES, vol.6, no.24, pp.20058-20066, 2016 (Journal Indexed in SCI)
- IV. **Immobilisation of *Aspergillus oryzae* alpha-amylase and *Aspergillus niger* glucoamylase enzymes as cross-linked enzyme aggregates**  
ŞAHUTOĞLU A. S. , AKGÜL C.  
CHEMICAL PAPERS, vol.69, no.3, pp.433-439, 2015 (Journal Indexed in SCI)
- V. **Concomitant polymorphism of a pyridine-2,6-dicarboxamide derivative in a single space group: Experimental and molecular modeling study**  
Ozdemir N., DAYAN O., Cetinkaya B., AKGÜL C.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.614-624, 2012 (Journal Indexed in SCI)
- VI. **A COMPARATIVE STUDY ON THE ANTIBACTERIAL ACTIVITIES OF THE AMINOPHENOLS: SOME NOVEL ASPECTS OF THE ANTIBACTERIAL ACTION OF p-AMINOPHENOL**  
AKGÜL C., Pınar G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.1758-1763, 2011 (Journal Indexed in SCI)
- VII. **Molecular weight dependent antistaphylococcal activities of oligomers/polymers synthesized from 3-aminopyridine**  
AKGÜL C., Yildirim M.  
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.75, no.9, pp.1203-1208, 2010 (Journal Indexed in SCI)
- VIII. **Mcl-1 is a potential therapeutic target in multiple types of cancer**  
Akgul C.  
CELLULAR AND MOLECULAR LIFE SCIENCES, vol.66, no.8, pp.1326-1336, 2009 (Journal Indexed in SCI)

- IX. **Sodium salicylate promotes neutrophil apoptosis by stimulating caspase-dependent turnover of Mcl-1**  
Derouet M., Thomas L., Moulding D., Akgul C., Cross A., Moots R., Edwards S.  
JOURNAL OF IMMUNOLOGY, vol.176, no.2, pp.957-965, 2006 (Journal Indexed in SCI)
- X. **Antibacterial activity of crude methanolic extract and its fractions of aerial parts of *Anthemis tinctoria***  
Akgul C., Saglikoglu G.  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS, vol.42, no.6, pp.395-397, 2005 (Journal Indexed in SCI)
- XI. **Identification of mcl-1 as a BCR/ABL-dependent target in chronic myeloid leukemia (CML): evidence for cooperative antileukemic effects of imatinib and mcl-1 antisense oligonucleotides**  
Aichberger K. J., Mayerhofer M., Krauth M. T., Skvara H., Florian S., Sonneck K., Akgul C., Derdak S., Pickl W. F., Wacheck V., et al.  
BLOOD, vol.105, no.8, pp.3303-3311, 2005 (Journal Indexed in SCI)
- XII. **Alternative splicing of Bcl-2-related genes: functional consequences and potential therapeutic applications**  
Akgul C., Moulding D. A., Edwards S. W.  
CELLULAR AND MOLECULAR LIFE SCIENCES, vol.61, no.17, pp.2189-2199, 2004 (Journal Indexed in SCI)
- XIII. **Potent antibacterial activity of oligo-3-aminopyridine against *Staphylococcus aureus* and *Enterococcus faecalis***  
Akgul C., Kaya I.  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS, vol.41, pp.120-122, 2004 (Journal Indexed in SCI)
- XIV. **Regulation of neutrophil apoptosis via death receptors**  
Akgul C., Edwards S. W.  
CELLULAR AND MOLECULAR LIFE SCIENCES, vol.60, no.11, pp.2402-2408, 2003 (Journal Indexed in SCI)
- XV. **Bile acids inhibit Mcl-1 protein turnover via an epidermal growth factor receptor/Raf-1-dependent mechanism**  
Yoon J., Werneburg N., Higuchi H., Canbay A., Kaufmann S., Akgul C., Edwards S., Gores G.  
CANCER RESEARCH, vol.62, no.22, pp.6500-6505, 2002 (Journal Indexed in SCI)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Computational Investigation of Novel Sphingosine Kinase I Inhibitors**  
DUMAN H., ŞAHUTOĞLU A. S., ÖZKÖK F., AKGÜL C.  
6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- II. **Trametes versicolor Lakkaz Enziminin Çapraz Bağlı Enzim Nanoagregatları Biçiminde İmmobilizasyonu**  
ŞAHUTOĞLU A. S., AKGÜL C.  
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017
- III. **Enzim/Polimer Nano-kompozitlerinin Sentezi Üzerine Bir Uygulama: Trametes versicolor Lakkazı**  
ŞAHUTOĞLU A. S., AKGÜL C.  
6. Fiziksel Kimya Kongresi, Turkey, 15 - 18 May 2017
- IV. **Preparation and Characterization of Cross-linked Albumin and Hemoglobin Nano-aggregates by a Microemulsion Disruption Based Method**  
ŞAHUTOĞLU A. S., YEŞİLÇİNAR L., AKGÜL C.  
IVEK (3. Uluslararası İlaç ve Eczacılık Kongresi), 26 - 29 April 2017
- V. **Sığır Serum Albumin Nanoparçacıklarının Üretimi ve Kontrollü Koramfenikol Salımında Kullanımı**  
YEŞİLÇİNAR L., AKGÜL C.  
IVEK (3. Uluslararası İlaç ve Eczacılık Kongresi), 26 - 29 April 2017
- VI. **Preparation and Size Control of Bovine Serum Albumin Nanoparticles by Shockwise Aggregation**  
ŞAHUTOĞLU A. S., AKGÜL C.

28. Ulusal Kimya Kongresi, Turkey, 15 - 21 August 2016

**VII. Bacillus licheniformis Kullanılarak Derin Kültür Yöntemiyle Amilaz Üretimi ve Çapraz Bağlı Enzim Agregatları Biçiminde İmmobilizasyonu**

YEŞİLÇİNAR L., ŞAHUTOĞLU A. S. , AKGÜL C.

Trakya Üniversiteler Birliği Öğrenci Kongresi, Turkey, 29 - 30 April 2016

**VIII. Yeni Bazı Sülfonat Esterlerinin Sentezi ve Yapılarının Aydınlatılması**

ÇETİN A., DAYAN O., ÖZDEMİR N., AKGÜL C.

XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015

**IX. Immobilization of amylase and glucoamylase enzymes as cross linked enzyme aggregates CLEAs**

ŞAHUTOĞLU A. S. , AKGÜL C.

Enzyme for Biocatalysis International Workshop, İstanbul, Turkey, 3 - 05 June 2014

**X. Anthemis Tinctoria bitkisinden elde edilen ekstrelerin antibakteriyel aktivitelerinin incelenmesi**

SAĞLIKOĞLU G., AKGÜL C.

XVII. Ulusal Kimya Kongresi, İstanbul, 8-11 Eylül 2003., Turkey, 8 - 11 September 2003

## Supported Projects

AKGÜL C., TUBITAK Project, Ters Misellereden Yararlanılarak Çapraz Bağlı Protein Nano-Agregatlarının Hazırlanması, 2016 - 2017

KIZILKAYA B., UYSAL H., AKGÜL C., TUBITAK Project, Kuantum Noktalarla Modifiye Edilmiş Elektrotlar Kullanarak Akışa Enjeksiyon Analiz Sisteminde Fotoelektrokimyasal Sensör Tasarımı, 2012 - 2015

AKBAĞ H. I. , AKGÜL C., YURTMAN İ. Y. , Project Supported by Higher Education Institutions, Bazı Çalı Türlerinin Yapraklarından Elde Edilen Bitki Özütlерinin Antibakteriyel Etkilerinin Araştırılması, 2012 - 2014

## Memberships / Tasks in Scientific Organizations

Türk Biyokimya Derneği, Member, 2005 - Continues

## Scientific Refereeing

TUBITAK Project, September 2012

Journal of Medicinal Plants Research, Other Indexed Journal, December 2011

African Journal of Microbiology Research, Other Indexed Journal, November 2011

Apoptosis, SCI Journal, January 2010

TUBITAK Project, October 2008

TUBITAK Project, June 2008

## Edit Congress and Symposium Activities

21. Ulusal Biyokimya Kongresi, Invited Speaker, İstanbul, Turkey, 2009

## Citations

Total Citations (WOS):1485

h-index (WOS):13

## Scholarships

İNGİLTERE (ROYAL SOCIETY), AVRUPA BİLİMSEL DEĞİŞİM BURS PROGRAMI, Other International Organizations, 2005 - 2005

Yurtdışı Lisansüstü Eğitim Bursu, YOK, 1995 - 2000