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International Researcher IDs

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Education Information

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

Undergraduate, Bogazici University, Faculty Of Education, 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 Fakültesi, Kimya, 2012 - Continues

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

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

Academic and Administrative Experience

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

Fakülte Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Fakültesi, 2019 - 2022

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

Fakülte Kurulu Üyesi, Canakkale Onsekiz Mart University, Fen Fakültesi, 2012 - 2015
Canakkale Onsekiz Mart University, Fen 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 Antienflamatuvar İlaçların Antibakteriyel Aktivitelerinin Karşılaştırmalı Olarak İncelenmesi, Postgraduate, Z.GÜNDÜZ(Student), 2012
AKGÜL C., *Euphorbia Sequieriana* Bitkisinden Hazırlanan Özütlerin Antibakteriyel Etkilerinin İncelenmesi, Postgraduate, B.Tiryakioğlu(Student), 2004
AKGÜL C., *Anthemis Tinctoria* (Sarı Papatya) bitkisinden hazırlanan Özütlerin Antibakteriyel Etkilerinin İncelenmesi, Postgraduate, G.Sağlıkoğlu(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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., Wachek V., et al.

BLOOD, vol.105, no.8, pp.3303-3311, 2005 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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 the Turkey, İzmir, Turkey, 5 - 08 September 2018, pp.120

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. **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

- V. **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
- 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. **Immobilization of alpha-amylase and glucoamylase enzymes as cross-linked enzyme aggregates (CLEAs)**
ŞAHUTOĞLU A. S., AKGÜL C.
Enzymes for Biocatalysis International Workshop, İstanbul, Turkey, 3 - 05 June 2014, pp.15
- XI. **2-Aril-1H-Benzimidazol Ligantları İçeren Cu(II) Komplekslerinin Sentezi, Karakterizasyonu, Antimikrobiyel Özellikleri Ve Katalitik Uygulamaları**
DİLEK D., ÖZDEMİR N., ŞERBETÇİ Z., AKGÜL C., DAYAN O.
III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 1 - 04 May 2011, pp.330
- XII. **Oligomerization of 3-aminopyridine is required for the strong antistaphylococcal activity**
Akgül C.
IMMPC-ISPC JOINT MEETING, Ankara, Turkey, 30 September 2010, pp.78
- XIII. **Kanser Tedavilerinde Bcl-2 Protein Ailesinin Potansiyel Terapötik Hedef Olarak Değerlendirilmesi**
Akgül C.
21. Ulusal Biyokimya Kongresi, İstanbul, Turkey, 28 October 2009, pp.30-31
- XIV. **'Öğrenci Gözüyle Kimya Bölümünde Eğitim-Öğretimin Durumu'**
AY M., AKGÜL C., GÜLTEN Ş.
1. Ulusal Kimya Eğitimi Kongresi, İstanbul, Turkey, 20 - 22 June 2007, pp.125
- XV. **Cooperative anti-leukemic effects of imatinib and Mcl-1 antisense: Identification of Mcl-1 as a novel target in CML**
Aichberger K. J., Akgül C.
46th Annual Meeting of the American-Society-of-Hematology, California, United States Of America, 04 December 2004, pp.812
- XVI. **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
- XVII. **Expression of the Anti-apoptotic Protein Mcl-1: Studies with Green Fluorescent Protein (GFP) Fusions**
Akgül C., Moulding D., Edwards S. W.
ESCI 34th Annual Scientific Meeting, Arhus, Denmark, 17 May 2000, pp.13
- XVIII. **Functional Analysis of the Human Mcl-1 Gene**
Akgül C., Edwards S. W.
33rd ESCI Meeting, Milan, Italy, 08 April 1999, pp.46

Supported Projects

AKGÜL C., TUBITAK Project, Ters Misellereden Yararlanılarak Çapraz Bağlı Protein Nano-Agregatlarının Hazırlanması, 2016 - 2017
UYSAI H., AKGÜL C., KIZILKAYA B., 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 Öütlerinin 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

Metrics

Publication: 38
Citation (WoS): 1652
Citation (Scopus): 1351
H-Index (WoS): 13
H-Index (Scopus): 12

Congress and Symposium Activities

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

Scholarships

İNGİLTERE (ROYAL SOCIETY), AVRUPA BİLİMSEL DEĞİŞİM BURS PROGRAMI, Other International Organizations, 2005 - 2005
Yurtdışı Lisansüstü Eğitim Bursu, YOK, 1995 - 2000