

# EMEL CAN

## ASST. PROF.

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### International Researcher IDs

ScholarID: ywNnLvAAAAJ

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Publons / Web Of Science ResearcherID: H-8295-2014

ScopusID: 16229374100

Yoksis Researcher ID: 114177



### Learning Knowledge

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Doctorate  
2006 - 2012

Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey

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Postgraduate  
2003 - 2006

Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey

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Undergraduate  
1997 - 2002

Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Egiticilerin Egitimi Sertifika Programı, Gazi Üniversitesi Gazi Eğitim Fakültesi ve Uzaktan Eğitim Uygulama ve Araştırma Merkezi, 2017

### Dissertations

Doctorate, Regulation of Telomerase Activity in Cancer, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2012

Postgraduate, Investigation of Relationship between Oxidative DNA Damage, Lipid Peroxidation and Antioxidants in Patients with Lung Cancer, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2006

### Academic Titles / Tasks

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Assistant Professor  
2021 - Continues

Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri

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Research Assistant PhD

2012 - 2021

Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri

Research Assistant

2005 - 2012

Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri

## Supported Projects

1. AKAYDIN S., ELÇİ M. P., FATSA T., ÖREN S., KUBAT G. B., CAN E., SALİHOĞLU E., ÜLGER Ö., TAMER U., Project Supported by Higher Education Institutions, Mezenkimal Hücre Kaynaklı Mitokondri Transplantasyonunun İnsan SHSY5Y Nöroblastoma Hücrelerinde Oluşturulan Alzheimer Modelindeki Etkilerinin İn Vitro Yöntemlerle Araştırılması, 2024 - Continues
2. Şimşek H. B., Akaydın S., Can E., Salihoğlu E., Project Supported by Higher Education Institutions, Gene Expressions of c-myc, Beta-catenin and Tip60 in Several Types of Cancer, 2011 - 2014
3. Akaydın S., Şimşek H. B., Can E., Salihoğlu E., Project Supported by Higher Education Institutions, Investigation of Gene Expressions of Dyskerin and Leptin in Several Types of Cancer, 2011 - 2014
4. Akaydın S., Can E., İnelöz O. E., Project Supported by Higher Education Institutions, Investigation of 3-nitrotyrosine Levels in Lung Cancer, 2010 - 2012
5. Akaydın S., Can E., Açıık L., Şimşek H. B., Çelebi Keskin A., Yalçıntaş Arslan Ü., Atalay M. C., Project Supported by Higher Education Institutions, Investigation of Gene Expression of Pontin and Reptin on Regulation of Telomerase Activity in Several Types of Cancer, 2009 - 2012
6. Akaydın S., Can E., Salihoğlu E., Project Supported by Higher Education Institutions, Evaluation of Antioxidant Activity in Various Folk Medicine, 2010 - 2011
7. Akaydın S., Can E., Fırat İ. H., Ardiç S., Şimşek H. B., Project Supported by Higher Education Institutions, Investigation of Oxidative DNA Damage and Total Antioxidant Capacity in Severe Obstructive Sleep Apnea Patients with Metabolic Syndrome, 2006 - 2010
8. Şimşek H. B., Akaydın S., Fırat İ. H., Özkan Y., Can E., Ardiç S., Project Supported by Higher Education Institutions, Investigation of Oxidative Stres Markers and HDL-Paraoxonase 1 Enzyme Activity in Metabolic Syndrome Patients, 2006 - 2010
9. Akaydın S., Can E., Fırat İ. H., Ardiç S., Torun F. M., Şimşek H. B., Project Supported by Higher Education Institutions, Investigation of Relationship between Oxidative DNA Damage, Lipid Peroxidation and Antioxidants in Patients with Lung Cancer, 2004 - 2008

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

1. **Normal and Tumour Tissue mRNA Expressions of Telomerase Complex Genes in Several Types of Cancer**  
Can E., Atalay M. C., Salihoğlu E., Arslan U. Y., Simsek H. B., Akaydın S.  
BALKAN MEDICAL JOURNAL, vol.34, no.3, pp.269-274, 2017 (SCI-Expanded)
2. **Serum Nitrotyrosine and Nitric Oxide Measurements in Obstructive Sleep Apnea Syndrome**  
ÇAKMAK E., AKAYDIN S., CAN E., FIRAT H., ARDIÇ S.  
Oxidation Communications, vol.38, pp.2064-2075, 2015 (SCI-Expanded)
3. **Lipid peroxidation and DNA damage in apnea patients with or without metabolic syndrome**  
Yardim-Akaydın S., Caliskan-Can E., Gokalp F., Fırat H., Ardiç S., Simsek H. B.  
SLEEP AND BIOLOGICAL RHYTHMS, vol.11, no.2, pp.116-124, 2013 (SCI-Expanded)
4. **Increased levels of 8-hydroxydeoxyguanosine and its relationship with lipid peroxidation and**

#### **antioxidant vitamins in lung cancer**

Caliskan-Can E., Firat H., Ardic S., Simsek B., Torun M., Yardim-Akaydin S.

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.46, no.1, pp.107-112, 2008 (SCI-Expanded)

5. **Usefulness of homocysteine as a cancer marker: Total thiol compounds and folate levels in untreated lung cancer patients**

Özkan Y., Yardim-Akaydin S., Firat H., Caliskan-Can E., Ardic S., Simsek B.

ANTICANCER RESEARCH, vol.27, no.2, pp.1185-1189, 2007 (SCI-Expanded)

#### **Articles Published in Other Journals**

1. **Serum Levels of Myeloperoxidase and Its Relationship with 3-Nitrotyrosine in Lung Cancer.**  
Akaydin S., Can E., Salihoğlu E., Inselöz E., Firat H., Ardic S.  
OXIDATION COMMUNICATIONS, vol.40, no.2, pp.753-761, 2017 (Scopus)
2. **mRNA Expressions of Gamma-Glutamyl Transferase Genes in Different Types of Cancer.**  
Akaydin S., Deviren C., Salihoğlu E., Can E., Atalay M. C.  
FABAD J Pharm Sci, vol.42, pp.21-28, 2017 (Peer-Reviewed Journal)
3. **Influence of Gender on C-Reactive Protein, Fibrinogen, and Erythrocyte Sedimentation Rate in Obstructive Sleep Apnea**  
Akaydin S., Can E., Firat İ. H., Ardic S., Şimşek H. B.  
Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry , vol.13, no.1, pp.56-63, 2014 (Scopus)
4. **Evaluation of Antioxidant Activity of Various Herbal Folk Medicines**  
Salihoğlu E., Akaydin G., Can E., Akaydin S.  
Journal of Nutrition & Food Sciences., vol.3, no.5, pp.1-9, 2013 (Peer-Reviewed Journal)
5. **DNA Damage and Lipid Peroxidation in Several Types of Cancer**  
Can E., Salihoğlu E., Atalay C., Yalçintaş Aslan Ü., Şimşek B., Akaydin S.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.35, no.3, pp.125-132, 2010 (Scopus)
6. **Evaluation Of Antioxidant Activity Of Various Herbal Folk Evaluation Medicine**  
Salihoğlu E., Akaydin G., Can E., Akaydin S.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.35, no.2, pp.59-68, 2010 (Scopus)
7. **Examination of The Relationship Between DNA Damage and Inflammation in Primary Non-Small Cell Lung Cancer Patients**  
Akaydin S., Can E., Firat İ. H., Şimşek H. B.  
FABAD Journal of Pharmaceutical Sciences, vol.34, no.3, pp.137-144, 2009 (Scopus)

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

1. **THE NORMAL AND TUMOUR TISSUE mRNA EXPRESSIONS OF HINT1 AND SOD1 IN SEVERAL TYPES OF CANCER**  
CAN E., AKAYDIN S., EMİRAL Ç., ATALAY M. C.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.362
2. **ALTERATIONS IN GAMMA-GLUTAMYL TRANSFERASE LEVELS IN OBSTRUCTIVE SLEEP APNEA PATIENTS WITH AND WITHOUT METABOLIC SYNDROME**  
SALİHOĞLU E., AKAYDIN S., CAN E., FIRAT H., ARDIÇ S.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017, pp.349
3. **EXPRESSIONS OF GGT1 GGT5 AND GGT6 GENES IN DIFFERENT TYPES OF CANCERS**  
AKAYDIN S., SALİHOĞLU E., CEREN D., CAN E., ATALAY C.  
GPSS, 12 - 15 November 2015
4. **The Relationships of Pontin and Reptin With Other Genes Associated With Cancer.**  
AKAYDIN S., CAN E., SALİHOĞLU E., ATALAY M. C., ŞİMŞEK B.

- First International Workshop on Pontin (RUVBL1) and Reptin (RUVBL2), BORDO, France, 17 - 19 October 2012, pp.47
5. **Investigation of hTERT, Pontin, Reptin and Dyskerin Gene Expressions in Several Types of Cancer.**  
CAN E., SALİHOĞLU E., ATALAY M. C., ŞİMŞEK B., AKAYDIN S.  
First International Workshop on Pontin (RUVBL1) and Reptin (RUVBL2), BORDO, France, 17 - 19 October 2012, pp.46
  6. **Evaluation of Antioxidant Activity of Various Herbal Folk Medicine.**  
SALİHOĞLU E., AKAYDIN G., CAN E., AKAYDIN S.  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012, pp.428
  7. **DNA Damage and Lipid Peroxidation in Several Types of Cancer.**  
CAN E., SALİHOĞLU E., ATALAY M. C., YALÇINTAŞ ARSLAN Ü., ŞİMŞEK B., AKAYDIN S.  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012, pp.430
  8. **Oxidative Stress in Severe Obstructive Sleep Apnea.**  
AKAYDIN S., CAN E., GÖKALP F., FIRAT H., SALİHOĞLU E., ARDIÇ S., ŞİMŞEK B.  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), Ankara, Turkey, 26 - 29 June 2012, pp.442
  9. **Relationship Between DNA Damage and Inflammation in Primary Non-Small Cell Lung Cancer**  
AKAYDIN S., CAN E., FIRAT H., TORUN F. M., ŞİMŞEK B.  
Europe Meeting 2009 of the Society for Free Radicals Research, ROMA, Italy, 26 - 29 August 2009, vol.43, pp.96
  10. **Impaired Oxidant/Antioxidant Balance and Relationships Between Inflammatory Markers and Antioxidants in Patients with Primary Lung Cancer.**  
FIRAT H., AKAYDIN S., CAN E., ERGÜN R., ARDIÇ S., ŞİMŞEK B.  
16th European Respiratory Society-Annual Congress, Munich, Germany, 2 - 06 September 2006, vol.28, pp.86
  11. **Investigation of Relationships Between Oxidative DNA Damage, Lipid Peroxidation and Antioxidants in Lung Cancer Patients.**  
CAN E., FIRAT H., ARDIÇ S., ŞİMŞEK B., TORUN F. M., AKAYDIN S.  
31st FEBS Congress, Molecules in Health Disease, İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.190-191
  12. **Hikmet FIRAT, Sevgi YARDIM-AKAYDIN, Emel ÇALIŞKAN-CAN, Recai ERGÜN, Sadık ARDIÇ, Bolkan ŞİMŞEK. Primer Akciğer Kanseri Hastalarda Bozulmuş Oksidan/Antioksidan Denge ve Antioksidanlarla Enflamatuvar Belirteçler Arasındaki İlişki.**  
FIRAT H., AKAYDIN S., CAN E., ERGÜN R., ARDIÇ S., ŞİMŞEK B.  
Türk Toraks Derneği 9. Yıllık Kongresi, Antalya, Turkey, 19 - 23 April 2006, pp.95

## Courses

- Mezuniyet Projesi I Uygulama, Undergraduate, 2021 - 2022, 2020 - 2021  
Farmasötik Biyokimya I, Undergraduate, 2021 - 2022  
Mezuniyet Projesi I, Undergraduate, 2021 - 2022, 2020 - 2021  
Klinik Biyokimya, Undergraduate, 2021 - 2022  
Farmasötik Biyokimya Uygulama, Undergraduate, 2021 - 2022  
Mezuniyet Projesi II, Undergraduate, 2021 - 2022  
Mezuniyet Projesi II Uygulama, Undergraduate, 2021 - 2022

## Memberships / Tasks in Scientific Organizations

- Society of Pharmaceutical Sciences of Ankara (FABAD), Member, 2014 - Continues, Turkey  
2. Bölge Ankara Eczacı Odası, Member, 2004 - Continues, Turkey  
Türk Eczacıları Birliği, Member, 2004 - Continues, Turkey

## Tasks In Event Organizations

Can E., 2nd International Gazi Pharma Symposium Series (GPSS-2017), Scientific Congress, Ankara, Turkey, Ekim 2017

## Metrics

Publication: 24

Citation (WoS): 72

Citation (Scopus): 84

H-Index (WoS): 3

H-Index (Scopus): 4

## Research Areas

Basic Pharmaceutics Sciences, Pharmacology and Therapeutics, Biochemistry