

AKILE TUNCAL (CV)

1. **Name-Surname** : AKILE TUNCAL

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2. **Date of Birth** : 11/12/1990

3. **Title** : Asst. Prof. Dr.

4. Education Status

Degree	Department	University	Year
Undergraduate Degree	Biochemistry	Ege University	2007-2011
Master Degree	Medical Biochemistry	Ege University	2011-2013
Doctorate Degree	Medical Biochemistry	Ege University	2013-2018

5. Academic Titles

Master degree: (MSc.)

Doctorate degree: (PhD.)

Assistant Professor (Asst. Prof.)

6. Theses

6.1. Undergraduate Thesis (BSc.)

"Preparation of p (HEMA) Nanoparticles for DNA Purification"

Advisor: Prof. Dr. Sinan AKGÖL

6.1. Master Thesis (MSc.)

“Investigating Expression Levels of Genes Responsible for Electron Transport Chain in Uterine Fibroid”

Advisor: Prof. Dr. Handan AK

6.2. PhD Thesis (PhD.)

“Investigation of SNPs During Development of Atrial Fibrillation in Elderly Patients”

Advisor: Prof. Dr. Handan AK

7. Publications

7.1. Articles published in international peer-reviewed journals

1. **Tuncal A.**, Aydin H.H., Askar N., Ozkaya A.B., Ergenoglu A.M., Yeniel A.O., Akdemir A., Ak H., Increased expression of electron transport chain genes in uterine leiomyoma. *Ann Clin Lab Sci.* 2014 Fall;44(4):466-8.
2. Okutucu B., Vurmaz D., **Tuncal A.**, Türkcan C., Aktaş Uygun D., Akgöl S. Boronate affinity nanoparticles for nucleoside separation. *Artif Cells Nanomed Biotechnol.* 2014 Aug 19, 2016;44(1):322-7.

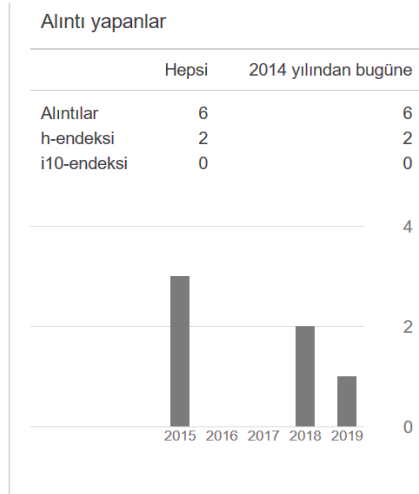
7.2. Papers presented in international scientific meetings and published in the proceedings book.

1. ‘Investigation Expression Levels Of Genes Responsible For Electron Transport Chain In Uterine Leiomyoma’, **Tuncal A.**, Aydin H.H., Askar N, Ergenoglu A.M., Yeniel A.O., Akdemir A., Ak H., *Poster*, Federation of European Biochemical Societies Congress Mechanisms in Biology, 6-11 Temmuz 2013, St. Petersburg, Rusya.
 2. ‘Scholarly Use of Information Technologies in Graduate Students’ **Tuncal A.**, Ozkaya A.B., Aslan C., Yalaza C., *Poster*, FEBS Workshop on Biochemistry and Molecular Biology Education, 29-30 Mart 2012, İzmir.
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7.3. Papers published in the proceedings book presented at national scientific meetings

1. 'Uterus Myomunda Elektron Transport Zincirinden Sorumlu Genlerin Ekspresyon Düzeylerinin Araştırılması' **Tuncal A.**, Aydın H.H., Askar N., Ergenoglu A.M., Yeniel A.O., Akdemir A., Ak H., *Poster, XXV. Ulusal Biyokimya Kongresi, 3-6 Eylül 2013, İzmir.*

8. References to Publications



Source: Google Scholar

Okutucu B., Vurmaz D., Tuncal A., Türkcan C., Aktaş Uygun D., Akgöl S. Boronate affinity nanoparticles for nucleoside separation. Artif Cells Nanomed Biotechnol. 2014 Aug 19, 2016;44(1):322-7.

- RNA purification from Escherichia coli cells using boronated nanoparticles I Perçin, N İdil, A Denizli - Colloids and Surfaces B: Biointerfaces, 2018 - Elsevier
- Polymeric Cryogel-Based Boronate Affinity Chromatography for Separation of Ribonucleic Acid from Bacterial ExtractsAK Shakya, A Srivastava - Current protocols in nucleic., 2015 - Wiley Online Library

Tuncal A., Aydın H.H., Askar N., Ozkaya A.B., Ergenoglu A.M., Yeniel A.O., Akdemir A., Ak H., Increased expression of electron transport chain genes in uterine leiomyoma. Ann Clin Lab Sci. 2014 Fall;44(4):466-8.

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- Assessment of oxidant-antioxidant status alterations with tumor biomarkers and reproductive system hormones in uterine MYOMASA Caglayan, DC Katlan, ZS Tuncer, K Yuce... - European Journal of ..., 2018 – Elsevier
 - The Catechol-Methyltransferase rs4680 G> A Polymorphism is Associated with Uterine Leiomyoma Susceptibility M Heydari, S Ghorbian, MS Melli - Gene, Cell and Tissue, 2019 - genecelltissue.com
 - Миома матки. Современное представление о патогенезе и факторах риска EA Штох, ВБ Цхай - Сибирское медицинское обозрение, 2015 - cyberleninka.ru
 - 子宫肌瘤患者外周血胰岛素样生长因子水平与激素受体表达的相关性 欧阳俊, 黄利红 - 中国妇幼保健, 2015 - cqvip.com

9. Scientific Meeting Organization Activities

1. III. Türkiye *in vitro* Diyagnostik “Biyobelirteçler” Sempozyumu, Endokrin ve Metabolik Hastalıklar, Tanıdan -Tedaviye Biyobelirteçlere, Düzenleme Kurulu Öğrenci Destek Üyesi 28 Şubat-2 Mart 2018, İzmir.
 2. II. Türkiye *in vitro* Diyagnostik “Biyobelirteçler” Sempozyumu, Düzenleme Kurulu Öğrenci Destek Üyesi, 10-12 Mayıs 2017, İzmir.
 3. İnsülin Direnci Sempozyumu, Düzenleme Kurulu Öğrenci Destek Üyesi, 22 Mart 2017, İzmir.
 4. FEBS Advanced Lecture Course 360° Lysosome, from structure to genomics, from function to disease, Düzenleme Kurulu Öğrenci Destek Üyesi, 23-28 Ekim 2014, Kuşadası İzmir.
 5. FEBS Workshop on Biochemistry and Molecular Biology Education, Düzenleme Kurulu Öğrenci Destek Üyesi, 29-30 Mart 2012, İzmir.
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10. Memberships to Scientific Organizations

- Turkish Biochemistry Society (TBD)
- The Federation of European Biochemical Societies (FEBS)

11. Internship

- Burhan Nalbantođlu State Hospital, Biochemistry Laboratory, 2010, Lekođa, TRNC.

12. Scientific Events and Certificate Programs

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| 2021 | '4 th International Health Sciences and Life Congress'
Organizer: MAKÜ, Burdur |
| 2021 | 'II. Uluslararası Sađlıkta Yapay Zeka Kongresi'
Organizer: Bakırçay Üniversitesi, İzmir |
| 2021 | '31. Ulusal Biyokimya Kongresi'
Organizer: Türk Biyokimya Derneđi, İzmir |
| 2021 | 'Kalıtsal Metabolik Hastalıklarda Olgularla Laboratuvar Yaklaşımı'
Organizer: Gazi Üniversitesi Tıp Fakültesi, Ankara |
| 2021 | 'Laboratuvar Süreçlerinin Yönetimi ve Kontrolü Sempozyumu'
Organizer: Klinik Biyokimya Uzmanları Derneđi |
| 2021 | 'Critical Role of Clinical Laboratories in the COVID-19 Pandemic'
Organizer: International Federation of Clinical Chemistry and Laboratory Medicine |
| 2020 | V. Türkiye in vitro Diyagnostik Sempozyumu 'Sađlık Biyoteknolojisi'
Organizer: Türk Biyokimya Derneđi, İzmir. |
| 2019 | 'İş Sađlığı ve Güvenliđi Eđitimi'
Organizer: GAUSEM, Girne Amerikan Üniversitesi, KKTC. |
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- 2019 “Tıbbi Aromaterapi Eğitimi”
Organizer: GAUSEM, Girne Amerikan Üniversitesi, KKTC
- 2018 III. Türkiye *in vitro* Diyagnostik “Biyobelirteçler” Sempozyumu, Endokrin Ve Metabolik Hastalıklar, ‘Tanıdan -Tedaviye Biyobelirteçlere’
Organizer: Türk Biyokimya Derneği, İzmir.
- 2017 II. Türkiye *in vitro* Diyagnostik “Biyobelirteçler” Sempozyumu
Organizer: Türk Biyokimya Derneği, İzmir.
- 2017 İnsülin Direnci Sempozyumu
Organizer: Türk Biyokimya Derneği, İzmir.
- 2014 Teknoparklarda Biyokimya ve Biyoteknoloji Uygulamaları
Organizer: Türk Biyokimya Derneği, İzmir.
- 2013 ‘Sağlıkta İnovasyon Çalıştayı; Üniversiteden Sanayiye’
Organizer: Dokuz Eylül Üniversitesi Türk Biyokimya Derneği, İzmir.
- 2013 ‘XXV.Ulusal Biyokimya Kongresi’
Organizer: Türk Biyokimya Derneği, İzmir.
- 2012 Discrimination between Self and Nonself by the Complement System
Organizer: Prof. Dr. Seppo K. MERI, İzmir.
- 2012 IV. Tıpta Yayın Etiği ve Proje Yönetimi Sempozyumu
Organizer: Prof. Dr. H. Hakan AYDIN, İzmir.
- 2012 Eppendorf Pipet Semineri
Organizer: Feyza AYÖZTÜRK, İzmir.
- 2011 İzmir Girişimcilik Zirvesi
Organizer: Rotaract FALLELYALI, İzmir.
- 2011 TS-EN ISO 17025 Kalibrasyon ve Laboratuvar AKRT.YÖN.SİST.
Organizer: Elginkan Vakfı Eğt.Uzm.Berkay ERIŞ, İzmir.
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13. Practical Training Meeting and Courses

- 2017 Deney Hayvanı Kullanım Sertifikası
Organizer: Ege Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu İzmir.
- 2014 FEBS Advanced Lecture Course 360° Lysosome, from structure to genomics, from function to disease
Organizer: FEBS Education Committee, İzmir.
- 2012 New Perspectives in Molecular Life Sciences Education
Organizer: Turkish Biochemical Society, İstanbul.
- 2012 General English and Fluency (2 AY)
Eğitim Veren Kurum: Brighton Language College, Brighton.
- 2012 Kanıtı Dayalı Tıp ve Laboratuvar Tıbbi Uygulamaları Sistematiği
Organizer: EGSEEM, İzmir.
- 2012 FEBS Workshop on Biochemistry and Molecular Biology Education
Organizer: FEBS Education Committee, İzmir.

14. Undergraduate and graduate level courses given in the last two years

Ege University Department of Medical Biochemistry

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2016-2017	-Fall -Spring	Tıbbi Biyokimya Laboratuvarı	-	4	40
2017-2018	- Fall -Spring	Tıbbi Biyokimya Laboratuvarı	-	4	40

Girne American University Faculty of Health Sciences**2018-2019 Spring Semester**

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2018-2019	-Spring	Temel Biyokimya	2	-	3
2018-2019	-Spring	Proje Yönetimi	2	-	3
2018-2019	-Spring	Araştırma Yöntemleri	2	-	4
2018-2019	-Spring	KBRN	2	-	4
2018-2019	-Spring	CBRN	2	-	1
2018-2019	-Spring	Fire Chemistry	2	-	1
2018-2019	-Spring	Sosyal Sorumluluk Projesi	10	-	6

2018-2019 Summer Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2018-2019	-Summer	Tıbbi Terminoloji	1	-	3
2018-2019	-Summer	Anatomy	4	-	1
2018-2019	-Summer	Proje Kültürü	1	-	1

2019-2020 Fall Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2019-2020	-Fall	Medical Terminology	2	-	21
2019-2020	-Fall	Research Methods	3	-	31
2019-2020	-Fall	Tıbbi Terminoloji	2	-	16
2019-2020	-Fall	Biyokimya	2	-	17
2019-2020	-Fall	Çevre Sağlığı ve Biyogüvenlik	2	-	6
2019-2020	-Fall	Nutritional Biochemistry I	3	-	8
2019-2020	-Fall	Araştırma Yöntemleri	2	-	15
2019-2020	-Fall	Temel Kimya I	3	-	17
2019-2020	-Fall	Tıbbi Terminoloji	1	-	33

2019-2020 Spring Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2019-2020	-Spring	Medical Terminology	2	-	1
2019-2020	-Spring	Research Methods	3	-	3
2019-2020	-Spring	Patoloji	2	-	16
2019-2020	-Spring	Temel Biyokimya	2	-	4

2019-2020	-Spring	Çevre Sağlığı ve Biyogüvenlik	2	-	1
2019-2020	-Spring	Nutritional Biochemistry II	3	-	8
2019-2020	-Spring	Araştırma Yöntemleri	2	-	2
2019-2020	-Spring	Organic Chemistry	2	-	12
2019-2020	-Spring	Organik Kimya	3	-	21
2019-2020	-Spring	KBRN	2	-	19
2019-2020	-Spring	CBRN	2	-	2

2019-2020 Summer Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2019-2020	-Summer	Medical Terminology	2	-	4
2019-2020	-Summer	Research Methods	3	-	4

2020-2021 Fall Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2020-2021	-Fall	Medical Terminology	2	-	22
2020-2021	-Fall	Research Methods (MASTER CLASS)	3	-	8
2020-2021	-Fall	Nutritional Biochemistry I	3	-	8
2020-2021	-Fall	Tıbbi Terminoloji	2	-	37
2020-2021	-Fall	Biyokimya	2	-	22
2020-2021	-Fall	Sosyal Sorumluluk Projesi	10	-	14
2020-2021	-Fall	Çevre Sağlığı ve Biyogüvenlik	2	-	13
2020-2021	-Fall	Beslenme Biyokimyası I	3	-	9
2020-2021	-Fall	Temel Kimya I	3	-	26

2020-2021 Spring Semester

Academic Year	Semester	Course Name	Weekly Time		Number of Students
			Theoretical	Practice	
2020-2021	-Spring	Organic Chemistry	2	-	10
2020-2021	-Spring	Research Methods (MASTER CLASS)	3	-	2
2020-2021	-Spring	Nutritional Biochemistry II	3	-	6

2020-2021	-Spring	Temel Biyokimya	2	-	20
2020-2021	-Spring	KBRN	2	-	11
2020-2021	-Spring	Basic Biochemistry	2	-	4
2020-2021	-Spring	Patoloji	2	-	18
2020-2021	-Spring	Beslenme Biyokimyası II	3	-	10
2020-2021	-Spring	Temel Kimya II	3	-	24
2020-2021	-Spring	Araştırma Yöntemleri	2	-	4