

Curriculum Vitae

- 1. Name-Lastname** : Tuğba ÜNSAL
- 2. Date of Birth** : 08.05.1986
- 3. Title** : Assistant Professor Dr.
- 4. Education** : PhD

Degree	Field	University	Year
BSc	Biology	Eskişehir Osmangazi University	2004-2008
MSc	Forensic Sciences-Forensic Genetic	Istanbul University Institute of Legal Medicine	2008-2011
PhD	Forensic Sciences-Forensic Genetic	Istanbul University Institute of Legal Medicine	2011-2016

5. Academic Titles

Assistant Professor Dr.: Uskudar University Faculty of Engineering and Natural Science Department of Forensic Sciences (2017-present)

6. Management and supported thesis of MSc and PhD

6.1. MSc Thesis

D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677 Optimization of New Mini STR Loci on Blood and Blood Spots. Istanbul University Institute of Legal Medicine, 2011.

6.2. PhD Thesis

Development of Multiplex Kit about Gonosomal InDeL Loci. Istanbul University Institute of Legal Medicine, 2016.

7. Publications

7.1. Published Articles in International Journals (SCI & SSCI & Arts and Humanities)

- Ünsal T., Filoğlu G., Aşıcıoğlu F., Bülbül Ö. (2017) Population data of new 21 mini-InDels from Turkey. Forensic Science International: Genetics Supplement Series. 6 (2017): e189-e191.
- Ünsal T., Filoğlu G., Sipahi E., Rayımoğlu G., Altunçul H. (2011) New Mini STR Loci D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677 ValidationAndOptimization On Blood And Blood Spots. Forensic Science International: Genetics Supplement3 (1) 473-474
- Sipahi E., Filoğlu G., Ünsal T., Altunçul H. (2011) AllelFrequencies Of NC02 Multiplex STR Loci (D1S1677, D2S441, D4S2364) InTurkey. Forensic Science International: Genetics Supplement 3 (1) 538-539

7.1.2. Published Articles in International Journals (Out of Scope, SCI & SSCI & Arts and Humanities)

- Filoglu G., Sah I., Dogan M., Nalcaoglu S.B., Tavaci I., Bulbul O., **Unsal T.** (2017) "Application of Next Generation Sequencing in Forensic Science", *Medicine Science International Medical Journal*, 6(1): 157-162
- **Unsal T.**, Filoglu G., Altuncul H. Dastan K., Bulbul O. (2017) "Profiling of 6 mini STR loci (D1S1677, D2S441, D4S2364, D10S1248, D14S1434, D22S1045) on blood spots waited on various surfaces", *Medicine Science International Medical Journal*, 6(1): 51-56.

7.2. Presented Articles at International Conference (Proceedings).

- **Ünsal T.**, Filoğlu G., Sipahi E., Rayimoğlu G., Altunçul H. New Mini STR Loci D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677 Validation And Optimization On Blood And Blood Spots 24th Congress of the International Society for Forensic Genetics August 29, to September, 3 2011 - Vienna, Austria
- Sipahi E., Filoğlu G., **Ünsal T.**, Rayimoğlu G., Altunçul H. Allel Frequencies Of NC02 Multiplex STR Loci (D1S1677, D2S441, D4S2364) In Turkey 24th Congress of the International Society for Forensic Genetics August 29, to September, 3 2011 - Vienna, Austria
- **Ünsal T.**, Filoglu, G., Rayimoglu G., Bulbul Ö. Altuncul H. Profiling Of 6 New Mini STR Loci (D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677) On Waited Blood Spots, *Int J Legal Med* 126 (Suppl 1): 347, 22nd Congress of the International Academy of Legal Medicine 2012- Istanbul, Turkey.
- Yükseloğlu E.H., Rayimoğlu G., Çavuş F., Karataş Ö., Daştan K., **Ünsal T.**, et al., "The use of DNA analyses in cancer cases: a case of gastric cancer (?)", 7th EUROPEAN ACADEMY OF FORENSIC SCIENCE CONFERENCE, Prag, Poland, 6-11 Eylül 2015, pp.115-116
- Tarı Cömert I. , Daştan K., Çavuş F., Rayimoğlu G. , **Ünsal T.**, Demircan Y.T., et al., "Comparison of depression, anxiety and stress levels in male students aged 13–18 years playing football regularly or not ", 7th EUROPEAN ACADEMY OF FORENSIC SCIENCE CONFERENCE, Prag, Poland, 6-11 Eylül 2015, pp.15-16
- Dastan K., **Unsal T.**, Yukseloglu E.H. Importance Of Molecular Autopsy And Next Generation Sequencing Testing Strategies In Sudden Unexplained Cardiac Deaths, 24th Congress Of The International Academia Of Legal Medicine Intersocietal Symposium, 2016-Venezia, Italy.
- **Unsal T.**, Filoglu G., Bulbul O., Asicioglu F. "X Kromozomuna Bağlı Multipleks 20 InDel Lokusunun Optimizasyonu ve Adli Kimliklendirmede Kullanımı", 1. Uluslararası TURAZ AKADEMİ Adli Tıp ve Patoloji Kongresi, Sözel bildiri, 13-16 Ekim 2016- Baku, Azerbaijan
- Salman Yılmaz S., Filoglu G., **Unsal T.** "Yeni Nesil Dizilemede İş Akışı ve Adli Genetikte Kullanımı", Poster, 1. Uluslararası TURAZ AKADEMİ Adli Tıp ve Patoloji Kongresi, 13-16 Ekim 2016- Baku, Azerbaijan
- **Unsal T.**, Filoglu G., Asicioglu F., Bulbul O. "Population data of new 21 mini-InDels from Turkey". 27th International Congress of International Society for Forensic Genetics (ISFG), Poster, 28 Ağustos-2 Eylül 2017, Coex, Seoul, Korea.

- Pastırmacı I., Yilancioglu K., **Ünsal T.**, Atasoy S. "Graduate and Undergraduate Education in Turkey". 70th Annual Meeting of American Academy of Forensic Sciences (AAFS). 19-24 February 2018, Seattle, Washington.
- Filoglu G., Özyer S., Uslu ZS., **Ünsal T.**, Bulbul O. "The Development of an X-Chromosome Insertion-Deletion (InDel) Multiplex for Forensic Applications". 70th Annual Meeting of American Academy of Forensic Sciences (AAFS). 19-24 February 2018, Seattle, Washington.
- Yilancioglu K., Sönmez M., **Ünsal T.**, Atasoy S. "Determination of Face Morphology by Using DNA Biomarkers in Turkish Population". 8th European Academy of Forensic Science, August 29th to 31st 2018, Lyon, France
- Yavuz D., **Ünsal T.**, Atasoy S. "Education and Training for Forensic Autopsy Technicians in Turkey" 8th European Academy of Forensic Science, August 29th to 31st 2018, Lyon, France.
- Yılmaz H., **Ünsal T.**, Atasoy S. "INNOCENCY IN CRIMINAL PROCEEDING PROJECT AND SCIENTIFIC EVIDENCES IN METHODS OF PROOF IN TURKEY" 8th European Academy of Forensic Science, August 29th to 31st 2018, Lyon, France.
- Yılmaz H., **Ünsal T.**, Atasoy S. "APPLICATIONS OF CROSS EXAMINATION & DIRECT INTERROGATION IN CRIMINAL PROCEDURE IN TURKEY" 8th European Academy of Forensic Science, August 29th to 31st 2018, Lyon, France.
- Gökkaya N., **Ünsal T.**, Atasoy S. "Development Of Ergonomic Sample Collection Swabs For Forensic Purpose" 8th European Academy of Forensic Science, August 29th to 31st 2018, Lyon, France.

7.5. Published Articles in National Conference (Proceedings).

- İlhan S., Yenice Gürsu B., **Ünsal T.**, Altın A. Ve Filik İşçen C., Antibiyotik Üretiminin Arttırılmasında Deney Tasarımı Kullanılarak Besinsel Gereksinimlerin Taranması 19.Ulusal Biyoloji Kongresi, Trabzon,2008
- **Ünsal T.**, Daştan K., Erkan I., Çavuş F., Rayimoğlu G., Yükseloğlu E. H. Adli Laboratuvarlarda İnsan Kimliklendirme için Yeni Nesil Sekans Sistemi Uygulamaları, 12. Adli Bilimler Kongresi Bildirisi, Isparta, 2015
- Daştan K., Erkan I., **Ünsal T.**, Çavuş F., Rayimoğlu G., Yükseloğlu E.H Isıtılan Kemiğin DNA Çekitlemesi ve Verimliliği Açısından Değerlendirilmesi, 12. Adli Bilimler Kongresi Bildirisi, Isparta, 2015
- **Ünsal T.**, Daştan K., Yükseloğlu E.H. Türkiyedeki Adli Vakalarda CSI Etkisi, 13. Adli Bilimler Kongresi Bildirisi, Bodrum, 2016
- Karataş Arslan Z.,Erkan I., Daştan K., **Ünsal T.**,Yükseloğlu E. H., Adli Olgularda Acil Servis Çalışanlarının Bilgi Düzeylerinin Değerlendirilmesi”, 27-30 Nisan 2016, 13. Adli Bilimler Kongresi, Bodrum, 2016
- **Ünsal T.** Gonozomal INDEL Lokuslarının Adli Kimliklendirmede Kullanımı, Adli Genetik ve Hukuki Boyutu Sempozyumu, Sözlü bildiri, 9 Nisan 2016, İstanbul

- Demirok A., Karaman A., Güngör A., Keleş C., Ceylan E., Fındık EH., Erdoğan IT., Kazancı K., Meherov S., **Ünsal T.** Atasoy S. "Adli Bilimlerde Epigenetiğin Önemi Ve Kullanım Alanları". 15. Adli Bilimler Kongresi, 12-15 Nisan, Antalya
- Atasoy S., **Ünsal T.**, Yılcıoğlu K. "Türkiye’de Adli Bilimler Lisans Eğitimi ve Geleceğe Yönelik Projeksiyonlar". 15. Adli Bilimler Kongresi, 12-15 Nisan, Antalya
- **Ünsal T.**, Ertem Ü., Yavuz D., Tezbasan İY., Atasoy S. "Üsküdar Üniversitesi'nde Şiddet Mağdurlarına Yönelik Bir Kriz Merkezi ". 15. Adli Bilimler Kongresi, 12-15 Nisan, Antalya
- Yavuz D., **Ünsal T.** Yılcıoğlu K., Atasoy S. "Adli Genetik İncelemelerde Polimorfik Bölge Analizinde Yeni Yaklaşım: KASP Sistemi" 15. Adli Bilimler Kongresi, 12-15 Nisan, Antalya

7.6 Other Publications

Patents: Multiplex Identification Panel of 21 Gonosomal InDel Loci. Turkish Patent Institute Number: 2017/07157

8. Projects

8.2. National Projects

- Development of Multiplex Kit about InDel Loci to be used for forensic identification. TÜBİTAK Project no:217S586, Istanbul, 2018.
- Development of Multiplex InDel Loci Kit on X Chromosome, Istanbul University Research Foundation Project no-25221, Istanbul, 2017
- Polymorphism of X Chromosomal 20 InDel Loci to be used for forensic identification in Turkey. Istanbul University Research Foundation Project no -21040, İstanbul, 2017
- Development of Multiplex Kit about Gonosomal InDeL Loci. PhD thesis project - Istanbul University Research Foundation Project no -52985 Istanbul University Institute of Legal Medicine, 2015
- D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677 Optimization of New Mini STR Loci on Blood and Blood Spots.. MSc thesis project - Istanbul University Research Foundation Project no - 4046, Istanbul University Institute of Legal Medicine, 2010.

9. Administrative Experience

- Head of Forensic Genetic Program, Addiction and Forensic Sciences (2017-present)
- Head of Forensic Molecular Biology Program, Addiction and Forensic Sciences(2017-present)
- Head of Computer Forensic and Digital Evidence (2017-present)
- Erasmus Coordinator, Department of Forensic Sciences (2017-present)

10. Membership

- Academy of Forensic Sciences. Turkey (Adli Bilimler Akademisi Derneği. Türkiye)
 - (Society of Forensic Biology and Gene Law) Adli Biyoloji ve Gen Hukuku Derneği
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11. Courses given for BSc&MSc for the last two years

Academic Year	Semester	Academic Year	Credit		Number of Student
			Theoretical	Practical	
2017-2018	1	Extraction of DNA Profiles	3	0	9
2017-2018	1	Advanced Forensic Biology	3	0	2
2017-2018	1	Crime Scene Investigation and Collection of Biological Evidence	3	0	9
2017-2018	1	Crime Scene Investigation - 1(weekdays)	3	0	13
2017-2018	1	Crime Scene Investigation - 1(weekand)	3	0	13
2017-2018	1	Forensic Nursing / Midwifery and Crime Scene Investigation, Evidence Collection, Conservation, Documentation, Forensic Photograph	3	0	6
2017-2018	1	Biology-1	3	4	61
2017-2018	1	Culture of University	0	2	61
2017-2018	2	Biology -2	3	4	61
2017-2018	2	DNA Evidence and Forensic Mistakes	3	0	7
2017-2018	2	Techniques Used in Forensic Molecular Genetics	3	0	12
2017-2018	2	Genetic Investigations in Terrorism and Natural Disasters	3	0	12
2017-2018	2	Crime Scene Investigation -2 (weekand)	3	0	16
2017-2018	2	Culture of University	0	2	61
2017-2018	2	Crime Scene Investigation -2 (Weekdays)	3	0	16