

CURRICULUM VITAE

Name and Surname: Abdurrahman Umut TÜYEL
Academic Title: Assistant Professor
Work Address:
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Foreign Languages Known (Score and Year): English, C2 Proficiency, 2022

Degree	Department/Program	University	Year
Doctorate	Bioengineering	Marmara University	2015
Master's Degree	Bioengineering	Marmara University	2008
Bachelor's Degree	Medical Biological Sciences	İstanbul University	2005

Position Title	Workplace	Year
Assistant Professor	Biruni University	2026-Continues
Assistant Professor	İstanbul Arel University	2022
Assistant Professor	İstanbul Bilgi University	2021
Assistant Professor	Beykent University	2016-2025

Administrative Duties:

1. Head of Department - Beykent University (2021 - 2025)
2. Faculty Board Member - Beykent University (2021 - 2025)
3. Ethics Committee Member - Beykent University (2018 - 2025)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Tüyel A. U., "Cost-effective ultrasonic and hydrothermal assisted synthesis of biphasic calcium phosphate sub-micron powders with adjustable phase composition from *Venus verrucosa* nacre", *Journal of the Australian Ceramic Society*, 2026.
- A2.** Tüyel A. U., Kirkik D., Kalkanlı Taş S., "HTRA2 and its role in parkinson's disease: genetic and functional insights", *ANNALS OF CLINICAL AND ANALYTICAL MEDICINE*, vol. 17, no. 2, pp. 147-151, 2026.
- A3.** Sahin E. C., Kaya E., Tüyel A. U., Aydın Y., Ozhatay N., Uncuoglu A. A., "An assessment on the floristic variety of *Colchicum* genus of Turkey in terms of morphological characteristics", *Scientia Horticulturae*, vol. 287, 2021.
- A4.** Toksoy Öner E., Eroğlu M. S., Tüyel A. U., "Pulsed laser technologies for the transfer of levan nanostructures", *European Cells and Materials*, no. 26, pp. 152-153, 2013.
- A5.** Sima F., Axente E., Sima L., Tüyel A. U., Eroglu M., Serban N., Ristoscu C., Petrescu S., Toksoy Oner E., Mihailescu I., "Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies", *Applied Physics Letters*, vol. 101, no. 23, 2012.

B. Papers presented at international scientific meetings and published in proceedings:

- B1.** Altinkut Uncuoğlu A., Aydın Y., Çabuk Şahin E., Tüyel A. U., Kaya E., From Mapping to Barcoding at DNA Level. A Case Study from Colchicum Genus., In: *2nd International Balkan Agricultural Congress*, Tekirdağ, Turkey, 2017.
- B2.** Tüyel A. U., Şentürk Akfırat F., Aydın Y., Şakiroğlu M., Altinkut Uncuoğlu A., Genome-Wide Association Mapping of Morphological Traits in Inter- and Intraspecies of Colchicum L., In: *Plant and Animal Genome XIII*, United States, 2015.
- B3.** Kalenderoğlu A., Tüyel A. U., Çabuk Şahin E., Evci G., Aydın Y., Altinkut Uncuoğlu A., Molecular Marker Analysis for Resistance to the Sunflower Downy Mildew, *Plasmopara halstedii*, In: *International Mesopotamia Agriculture Congress*, Gaziantep, Turkey, 2014.
- B4.** Abuduli A., Tüyel A. U., Çabuk Şahin E., Karakaş Metin Ö., Şakiroğlu M., Aydın Y., Onay A., Altinkut Uncuoğlu A., Characterization of Wild Type Mastic Tree (*Pistacia lentiscus* L.) Germplasm at Molecular Level, In: *International Mesopotamia Agriculture Congress*, Gaziantep, Turkey, 2014.
- B5.** Altinkut Uncuoğlu A., Tüyel A. U., Şentürk Akfırat F., Aydın Y., Karakaş Metin Ö., Şakiroğlu M., Tuna M., Nizam İ., Kaya E., Genetic Diversity and Association Mapping Studies in Colchicum L., In: *International Conference on Enhanced Gene Pool Utilization - Capturing Wild Relative and Landrace Diversity for Crop Improvement*, United Kingdom, 2014.
- B6.** Tüyel A. U., Verma S., Şentürk Akfırat F., Aydın Y., Altinkut Uncuoğlu A., Determination of morphological and molecular characteristics of Colchicum L. species in the Turkish flora, In: *Olomouc Biotech 2013 Plant Biotechnology: Green for Good II*, Czech Republic, 2013.
- B7.** Oktar F. N., Tüyel A. U., Demirkol N., Gündüz O., A new safe method to produce bioceramic nanopowders from nacre venus verrucosa, In: *Artificial Organs Conference, FYROM*, Canada, 2010.

D. Articles published in national peer-reviewed journals:

- D1.** Tüyel A. U., Çabuk Şahin E., Şentürk Akfırat F., Aydın Y., Altinkut Uncuoğlu A., "Phylogenetic analysis of Colchicum (Colchicaceae) genus by molecular markers from nuclear and chloroplast genome", *Genetics and Applications*, vol. 4, no. 1, pp. 1-11, 2020.

E. Papers presented at national scientific meetings and published in proceedings:

- E1.** Tüyel A. U., Aslan Y. A., Nodunet: U-Net mimarisine dayalı çok bileşenli gelişmiş bir medikal segmentasyon ağı, In: *EMO 1. Bitirme Projeleri Sergisi*, İstanbul, Turkey, 2025.
- E2.** Tüyel A. U., Valerio P., Toksoy Öner E., Oktar F. N., Biological activities of bioceramic powders of various natural biological origins, In: *New Biotechnology*, Australia, 2009.