GAMZE ÇUBUKCI

Date of birth: 09/10/1994

Place of birth: ARTVİN, Türkiye

Nationality: Turkish

CONTACT

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Gamze Çubukcı

europass

ABOUT ME

I graduated with honors from Kafkas University's Bioengineering program. I then completed my master's degree in Bioinformatics and Systems Biology at Karadeniz Technical University's Department of Molecular Biology and Genetics. I have expertise in molecular techniques and have participated in a TÜBİTAK 1001 project. Currently, I am working as a molecular biologist in the R&D department at Eryğit Medical Devices Inc and Sentebiolab Genetic Biotechnology Inc.
Throughout my academic journey, I have developed skills in research, self-motivation, entrepreneurship, and acquiring diverse competencies. As you can see from my resume, I have actively prepared myself for professional life through various training programs and independent research. I firmly believe that working with passion, diligence, and attention to detail will always lead to success.

WORK EXPERIENCE

Senrebiolab Genetic Biotechnology Ltd. Şti. ANKARA, Türkiye

Molecular Biologist
01/04/2026 – Current

- Development of a Methylation-Specific qPCR Kit for Early Cancer Diagnosis of Colorectal Cancer (TÜBİTAK-1501)
- Development of a Methylation-Specific qPCR Kit for Early Diagnosis of Gastric Cancer (TÜBİTAK-1501)
- Development of a Highly Sensitive qPCR Diagnostic Kit for Detecting Common KRAS Mutations in Colorectal, Pancreatic, and Lung Cancers (TÜBİTAK-1501)

Eryiğit Medical Devices Inc. ANKARA, Türkiye

Researcher
15/06/2023 – Current

- Development of a Methylation-Specific qPCR Kit for Early Cancer Diagnosis of Colorectal Cancer (TÜBİTAK-1501)
- Development of a Methylation-Specific qPCR Kit for Early Diagnosis of Gastric Cancer (TÜBİTAK-1501)
- Development of a Highly Sensitive qPCR Diagnostic Kit for Detecting Common KRAS Mutations in Colorectal, Pancreatic, and Lung Cancers (TÜBİTAK-1501)

Visiobit Information Technologies KOCAELİ, Türkiye

Bioengineering Expert
10/07/2016 – 10/10/2020
Electronic Glass for Blind People Project

Project aim is creatingan helper assistantfor blind people.My task is searching the scientific publications for determining the most effective frequencies that used in sound synthesis. These frequencies will be used in sound synthesis from images. Projectis a computer science project that use computer vision techniches.

EDUCATION AND TRAINING

08/07/2019 – 06/07/2023 TRABZON, Türkiye

Molecular Biology and Genetics Master Degree Karadeniz Technical University

Website www.ktu.edu.tr | **Field of study** Biology | **Final grade** 3,50 |
Thesis Characterization of a novel small and circular plasmid (pAnox1) isolated from Anoxybacillus gonensis 05s15

03/09/2013 – 12/06/2018 KARS, Türkiye

Bioengineering Bachelor Degree Kafkas University

Website www.kafkas.edu.tr

20/07/2017 – 24/08/2017 KOCAELİ, Türkiye

Production Intern Onko& Koçsel Medicine Factory

Website https://www.onkokocsel.com/

16/07/2016 – 18/08/2016 RİZE, Türkiye

Microbiology Laboratory Intern R.T.E Universty Education and Research Hospital

Website https://rizeeah.saglik.gov.tr/

LANGUAGE SKILLS

MOTHER TONGUE(S): Turkish

Other language(s):

English

Listening B2	**Spoken production** B2
Reading B2	**Spoken interaction** B1
Writing B2	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

MS Excell | MS Word | MS Powerpoint | MS OFFICE | Microsoft Office (Word Excel Powerpoint) | Protein Docking | SnapGene | BIOVIA Discovery Studio | Molecular Biology Techniques | molecular and cellular biology techniques | PCR and molecular cloning | qPCR | Visual Molecular Dynamics | Bioinfomatics

CONFERENCES AND SEMINARS

04/10/2023 – 06/10/2023 Slovenya

EUROPEAN BIOTECHNOLOGY CONGRESS

Determination of Transcript Abundance and mRNA Stability of pAnox1 ORFs.

12/07/2023 – 15/07/2023 İZMİR

25th National Biology Congress

Transcript analysis of the cryptic pANox1 plasmid

14/10/2022 – 16/10/2022 İSTANBUL

8th International Congress of The Molecular Biology Association of Turkey

Determination Of Replication Mode Of Novel Plasmid Panox1 From Anoxybacillus Sp. 05s15

14/10/2022 – 16/10/2022 İSTANBUL

8th International Congress of The Molecular Biology Association of Turkey

A novel plasmid (pAnox1) from Anoxybacillus sp. 05S15

PUBLICATIONS

2026

Early-Stage Detection of Colorectal Cancer with a Dual-Matrix DNA Methylation qPCR Panel: A Clinical Cohort

The article is under review.

Authors Çağrı ŞAKALAR, Gamze ÇUBUKCI, Serap DEDE, Saygın ALTINER, Aydın YAVUZ, Gizem AKSU, Osman Yüksel, Rabia Hande ŞAHİNGÖZ, Hatice KAYA, Mevlüt Recep PEKCİCİ, Abdullah DURHAN, Hatun Betül GÜRLEVİK, Ahmet Çağrı BÜYÜKKASAP, Ahmet Cihangir EMRAL

Journal Name BMC Cancer

2025

SFRP2 and RPRM as methylation based serum biomarkers for the detection of gastric cancer

Dede S, Sakalar C, Yılmaz B, Çubukcı G, Acar M, Yavuz A, Aksu G, Altıner S, Yüksel O, Ayaz F, Aydemir E. SFRP2 and RPRM as methylation based serum biomarkers for the detection of gastric cancer. Discover Oncology. 2025 Aug 24;16(1):1606.

Authors Dede S, Şakalar Ç, Yılmaz B, Çubukcı G, Acar M, Yavuz A, Aksu G, Altıner S, Yüksel O, Ayaz F, Aydemir E

Journal Name Discover Oncology

2024

Characterization and functional insights of the novel RC-type plasmid pAnox1 from Anoxybacillus gonensis 05S15

Cubukci, G., Ayyildiz, H., Inan Bektas, K., Belduz, A. O., & Güler, H. İ., (2024). Characterization and functional insights of the novel RC-type plasmid pAnox1 from Anoxybacillus gonensis 05S15. PLASMID , vol.131-132, 1-12

Authors Cubukci, G., Ayyildiz, H., Inan Bektas, K., Belduz, A. O., & Güler, H. İ., (2024). Characterization and functional insights of the novel RC-type plasmid pAnox1 from Anoxybacillus gonensis 05S15. PLASMID , vol.131-132, 1-12.

Journal Name Plasmid

DRIVING LICENCE

Driving Licence: B

PROJECTS

01/01/2021 – 06/2023

Functional analysis of a novel, small and circular plasmid (pAnox1) isolated from Anoxybacillus sp. 05S15

The aim of this project is to identify the origin of replication, mode of replication, proteins responsible for replication, and new functional genes of pAnox1, which is defined as a new plasmid and will be characterized and functionally analyzedfor the first time in the Anoxybacillus genus, by determining its copy number, its stability in the host, and its regulatory regions. It is to shed light on new studies by supporting in silico methods and to reveal sufficient information and materials to create vectorsthat can providecommercial returns in the industrialsense.

10/01/2017 – 10/01/2020

Identification and Characterization of alternative orfs (altorfs) within seven gene families of the model legume plant medicago truncatula (Graduation Thesis)

The aim of this project was to develop the same study on the specific plant species (medicago trunctula) inspired by ORF studies on animals and thus to reveal the gene similarities of the amino acids and protein sequences that make up some genes. As a result of the analysis and the comparison of the obtained data in international

databases, the similarities and different expressions of some ORFs and altORFs with gene families supported this study.

RECOMMENDATIONS

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Erman GÜNEY (VİSİOBİT Information Technologies- R&DManager)
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Halil İbrahim GÜLER (Assistant Professor- Karadeniz Technical University)
Email hguler@ktu.edu.tr | **Phone** (+90) 5356135418

HOBBIES AND INTERESTS

Photography

Theatre

Ski

Reading
Detective,Psychology, Action and Adventure

CERTIFICATES

14/10/2022 – 16/10/2022
BIOINFOCONGRESS III CONGRESS

09/05/2020 – CURRENT
ISO 15189: 2012 MEDICAL LABORATORIES - REQUIREMENTS FOR QUALITY AND COMPETENCE

08/05/2020 – CURRENT
ISO 13485: 2016 MEDICAL DEVICES - QUALITY MANAGEMENT SYSTEMS

16/03/2020 – CURRENT
ISO 22716:2007 COSMETICS GOOD MANUFACTURING PRACTICES - GMP

15/03/2020 – CURRENT
GLP - GOOD LABORATORY PRACTICE

14/03/2020 – CURRENT
GMP-GOOD MANUFACTURING PRACTICE