



# ECEM GÖK

Ataşehir, İstanbul

05469020606

ecem.gok@std.yeditepe.edu.tr

ecmgk06@gmail.com

## ABOUT

I have worked at the intersection of biology and future technologies since my early high school days as an olympiad; I now pursue my academic passions in Yeditepe University's Biomaterials and Tissue Engineering Laboratories. Following my entry into the professional field as a research intern and teaching assistant, I now work to improve my multidisciplinary skills.

## EDUCATION

- **Yeditepe University**

Bachelor of Science-BS, Genetics and Bioengineering

Sep '19- June '23

Activities and Communities: YUDASK Dance Society Chairman, 7tepebiotech Biotechnology Society,

GPA: 3.33/4.00

- **Zafer High School of Science**

High School Diploma, Mathematics and Science

Sep '15 - June '19

Activities and communities: Dance Society, English Drama Society

GPA:3.92/4.00

## EXPERIENCE

- **INTERGEN Genetics and Rare Diseases Diagnosis Research & Application Center**

Internship, June'21- Jul '21

In both observer and executor positions, I have obtained practical knowledge in the disciplines of research and development, cytogenetics, pathology, and molecular biology, which empowers me to be proactive in my career path.

- **Undergraduate researcher at Yeditepe University's Biomaterial and Tissue Engineering Laboratories(YUTEG)**

About Sep '21

As an undergraduate researcher, I am currently working on bone tissue engineering and skin tissue engineering at YUTEG. The fact that tissue engineering is a multidisciplinary field allows me to carry out studies on nanotechnology and materials engineering, and I take part in many projects including these fields. At the same time, I work as a student assistant in the GBE216 course in our department and attend laboratory classes as an assistant.

- **WHOZYME, Biotechnology, Consulting, and Production**

Internship, August 22'

I had the opportunity to improve my skills in R&D, production, and optimization during my summer internship at this company. I participate in research projects designed to develop a SARS-COVID-19 diagnosis test. I studied proteins, enzymes, RT-PCR optimization techniques, product manufacturing, and purification throughout my internship.

## LABORATORY SKILLS

- Mammalian cell culture (mesenchymal stem cells, epithelial cells, keratinocyte cells (HaCat)), Drosophila melanogaster culture,
- Bacterial transformation, transfection, cloning,
- PCR, RT-PCR, SEM, DSC, TGA, Contact Angle, 3-D printer, Zeta potential, Zeta sizer, HPLC, Affinity Chromatography, FTIR, freeze-dryer, flow cytometry, fluorescence microscopy
- DNA / RNA isolation methods, scaffold production methods (3-D printing, hydrogel preparation, electrospinning), nanoparticle synthesis (chitosan nanoparticles, magnesium oxide nanoparticles), stem cell differentiation, immunohistochemical analysis, MTS, live-dead assay, biodegradation analysis, in vitro release studies, and histological analysis, starch assay

## SKILLS

- Statistical Data Analysis
- Microsoft Excel
- Data analytics
- MATLAB
- Scientific Methods
- Business and leadership
- Project Management
- Research
- Time management
- Critical thinking
- Problem solving
- Collaboration
- Verbal and presentation skills
- Leadership
- Teamwork

## PROFFESIONAL CERTIFICATES AND CONGRESSES

- 3rd International Genetics and Bioengineering Student Congress, Cryopreservation Techniques in Plant Biotechnology Workshop Certificate (2020)
- 8th National Genetics and Bioengineering Congress (2021)
- 1st Scigether Science Days Congress (2021)
- 4th International Genetics and Bioengineering Student Congress (2022)
- Forensic Medicine Congress (2022)
- KOSGEB

## LANGUAGE

- ENGLISH

Native or bilingual proficiency

- SPANISH

Limited working proficiency

## REFERENCES

Prof. Dr. Gamze Torun KÖSE