



YAŞAR YURTSEVER

UNDERGRADUATE OF MOLECULAR BIOLOGY & GENETICS

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EDUCATION

Istanbul Technical University
2018 - Present
Molecular Biology and Genetics
Buca Anatolian High School
2014 - 2018



BIOGRAPHY

I love every field of biology, especially I am interested in microbiology, synthetic biology, CRISPR technology, epigenetics and biological applications of organic/inorganic nanoparticles, biological switches, and biotechnology. I work on many teams and many projects. I love taking my time in many different things, science, and swimming.

CERTIFICATIONS & ACHIEVEMENTS

- 2020 - TARI - Teknofest - Agricultural Technologies - Autonomous Agricultural Rover
- Rare Disease Challenge (RaDiChal) The Best GSD Disease Project Winner BEE0 Team - <https://radichal.com/bee0/>
- 2021 - International Mars Hackathon - Mars Society - Second Place Certification
- 2020 - Introduction To Programming: HTML -Udemy
- 2020 - Arduino 101, 102, and 201 – TURKCELL
- 2019 - MS EXCEL Professional Certification - Istanbul
- 2019 - B1 English Certification – Infolang - Istanbul
- 2019 - Upper Intermediate Certification – British Time - Istanbul



ABILITIES

- MS Office programmes
- R programming language
- English - Advance
- French - Elementary
- Python programming language
- Molecular simulations and modelling via VMD and NAMD
- HTML, CSS and JavaScript web languages
- Programming various sensors and robotic programmes with Raspberry Pi and Arduino
- #C programming language

CLUBS & ASSOCIATIONS

- Member of ITU iGEM Team
- Member of ITU Rover Team
- Member of ITU TARI Team
- Member of ITU Journal Club
- Member of Istanbul University Stem Cell Group (IUKOK) - Since 2019
- Marmara University Stem Cell Group (MUKOK) - Since 2020
- Committee Member of International ITU Molecular Biology and Genetics Student Congress 20'
- Committee Member of ITU Journal Congress 21'



EXPERIENCE

Co-Founder - GeneUs Biotechnology

2020 - Present

Bioinformatic department, Biomaterial department, Covid-19 department, Breast and Colon cancer departments, Spinal Muscular Atrophy (SMA) project.



ITU Rover Team

2019 - Present

Team Member - Advisor of Science Team

Improved the chemical, physical, and biological analyses to find inorganic and organic materials in the different soil samples, glucose biosensors, microfluidics, design a Raman, visible light, and FTIR spectrometer with teammates. In 2020 according to judges from NASA and placed 3th among 36 teams across the world. Improved the management of the risk and working with teammates



GUR-LAB (Dr. Mert Gür - ITU) (https://gurlab.itu.edu.tr/mert_gur_biyo)

2020 - Present

Protein Modeling and Simulations - VMD, NAMD, SMD

Manager - Refresher

2017

Young Achievement Foundation - We established a company with the official name "Refresher". I worked as a "Company Manager" in this company for 6 months. We designed and sold recyclable products.

Writer - Bezelye

2019 - Present

I have been a writer in Bezelye Magazine about current scientific articles and different Molecular Biology and Genetic - Biotechnology in both blog and magazine.

Tourist Guidance

I have been working as a tourist guide at localexperience.co since 2019.

PROJECTS

2021 - Recombinant Protein Production of LbCpf1 and AsCpf1 proteins - Bartın University - Dr. Rizvan IMAMOGLU - ORCID ID: 0000-0002-6306-4760

2021 - Undergraduate Student Participation Research Project - Istanbul Technical University Scientific Research Projects Commission - Increasing Vitamin B12 Synthesized from Cobalt in Waste Lithium-Ion Batteries by using Enzyme Scaffolding System - Prof. Dr. Fatma Neşe KÖK

2021 - 7th Mission Idea Contest: Apophis - An Explorer Microsatellite for Assessing Viability of Genetically-Manipulated Lichen on Apophis (Text available in ResearchGate)

INTERNSHIP

2021 - Istanbul Technical University - Microbial Genetics Laboratory - Prof Dr. Ayten YAZGAN KARATAŞ - Bacterial Cultivation, Transformation, Plasmid/DNA Purification

2021 - Istanbul University - Plant Metabolism Laboratory - Prof. Dr. Neslihan TURGUT KARA - Plant Cultivation, Callus Induction, Real-Time PCR, DNA Methylation, RNA Purification.