Yusif Valiyev

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EDUCATION

Bachelor of Science (B. Sc.) in Biological Sciences, **The University of Hong Kong** 2026-present

- Academic Interests: Molecular Biology, Stem cells, The origin of life

High school diploma - Shaki Chemistry-Biology oriented Lyceum (Shaki, Azerbaijan) 2022-2025

- Relevant Coursework: Algebra, Biology, Physics, Chemistry GPA: 5.0/5.0
- Honor's student with the highest possible GPA and most olympiad medals

Research Experience

Young Researcher - Azerbaijan State University of Economics (UNEC) *2024–2025* | Baku, Azerbaijan

● Conducted research on radionuclide contamination in transboundary river systems, focusing on the environmental impact of contamination in the Okchuchay River.

●Worked with environmental research data to examine patterns and assess the potential implications of radionuclide contamination.

● Reviewed relevant scientific literature and contributed to the *interpretation, organization, and analysis of research findings.*

● Contributed to the preparation of a *scientific manuscript, including literature synthesis, data-related work, and scientific writing.*

● *Co-authored a research publication* on the environmental aspects of radionuclide contamination in the Okchuchay Transit River.

Independent Researcher - Shaki Flora Research Project *2025–Present* | Kish Village, Shaki, Azerbaijan

● Leading an independent field-based research project investigating plant biodiversity in Kish Village, Shaki, with the aim of developing a comprehensive regional flora inventory.

● Conducting *field observations, plant collection, species identification, and botanical documentation*.

● Preparing herbarium specimens and organizing collected observations for systematic documentation.

● Exploring the relationship between regional plant diversity and the potential biochemical properties of local plant species.

Work Experience

National Coach & Team Leader (Baku, Azerbaijan) 2025-present

- Biology Olympiad mentor at training camps organized by the Institute of Education of the Republic of Azerbaijan for international olympiad team members
- 4 silver and 2 bronze medals from my students at International Junior Science Olympiad 2025, 3 silver and 5 bronze medals from my students at *the Avicenna International Biology Olympiad 2026*

Head of the Biology Olympiad department, Olimpiadachilara Destek 2022-present

● Developed original Biology Olympiad exam questions, mock tests, and comprehensive training booklets/study guides for national and international competitions.

HONORS & AWARDS

- **Special Achievements in Education Award** 2025
  by the Ministry of Science and Education of the Republic of Azerbaijan
- **Bronze medal** - National Biology Olympiad (Baku, Azerbaijan) 2025
- **Silver medal** - National Biology Olympiad (Baku, Azerbaijan) 2023, 2024
- **Silver medal** - Zefer Regional Biology Olympiad (Shaki, Azerbaijan) 2023
- **Gold medal** - Life Sciences, International STEM Olympiad (Germany) 2023
- **Gold medal** - American Mathematics Olympiad 2022
- **Bronze medal** - National Biology Olympiad (Baku, Azerbaijan) 2022
- **Silver medal** - Life Sciences, International STEM Olympiad (Germany) 2022

PUBLICATIONS

- **Environmental aspects of radionuclide contamination of the Okchuchay Transit River in the Republic of Azerbaijan (**Valiyev Y., Sadigov R.) 2025
  Young Researcher Scientific & Practical journal, No. 3, 2025
- **The Plant Physiology** book in English and Azerbaijani (Valiyev Y.) 2025
- **"EKZON"** book for Biology olympiadists (Valiyev Y., Orujaliyev K.) 2024
- **The Impact of Global Warming on Biodiversity: Ecosystem Transformation and Biodiversity Loss** (Valiyev Y.) 2024

PROJECTS

Lagosta Academy — Co-Founder & Biology Mentor

● Co-founded Lagosta Academy to support students preparing for national and international Biology Olympiads through structured education and mentorship.

● Mentored 500+ students, with 40+ students achieving medals in national and international Biology Olympiads.

● Developed and delivered biology olympiad training while mentoring students toward competitive and academic success.

SKILLS & HOBBIES

- **Language Skills:** Azerbaijani (Native), English (C1), Turkish (C1)
- **Practical & Lab Techniques:** Animal Dissection (Invertebrates & Vertebrates), Light Microscopy & Biological Staining, Micropipetting & Solution/Buffer Preparation, Laboratory Safety Protocols
- **Bioinformatics & Research:** Sequence Alignment (NCBI BLAST), Biological Data Interpretation, Environmental Sampling & Scientific Writing