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Işın Altinkaya
Curriculum Vitae

EDUCATION

- **BSc; Biology** Hacettepe University, Ankara, Turkey
Faculty of Science, Department of Biology 2015 - present

LANGUAGE

Turkish (*Native*)
English (*Fluent, TOEFL iBT: 102, Reading: Advanced, Listening: Advanced, Speaking: High-Intermediate, Writing: Advanced*)

RESEARCH EXPERIENCE

- **Biological Data Analysis Lab** Hacettepe University, Computer Science
Intern, Advisor: Dr. Tunca Doğan October 2019 - present
 - **Bioinformatics:** Detecting selection on gene networks with population genetics approach.
- **Fumagalli Lab** Imperial College London, Life Sciences
Intern, Advisor: Dr. Matteo Fumagalli July 2019 - September 2019
 - **Bioinformatics:** Developing HMMploidy and ANGSDgui.
- **Biogeography Research Laboratory** Hacettepe University, Biology
Intern, Advisor: Dr. Barış Özüdoğru February 2019 - present
 - **Phylogenomic Analyses:** Developing a pipeline using plant genomic data (RADSeq).
- **Laboratory of Comparative & Evolutionary Biology** Middle East Technical University
Intern, Advisor: Dr. Mehmet Somel August 2018 - June 2019
 - **Genomic Data Analyses:** Using ancient genomic data.
- **Laboratory of Evolutionary & Quantitative Genetics** Hacettepe University, Biology
Intern, Advisor: Dr. Ergi Deniz Özsoy October 2015 - February 2019
 - **Biostatistics & Quantitative Genetics:** Analyses of *Drosophila melanogaster* DGRP lines.

SKILLS

Programming languages: Python, R, Bash, JavaScript, C++

Markup languages: L^AT_EX, HTML&CSS

Operating systems: GNU/Linux

For more information on my programming skills and experiences please refer to my GitHub profile.

SELECTED COURSES (ATTENDED)

Fundamentals of Bioinformatics, Department of Computer Science, Hacettepe University, Lecturer: Dr. Tunca Doğan, 2019
Population Genetics, Middle East Technical University, Lecturer: Dr. Mehmet Somel, 2018
Population Genetics Simulations with R, Middle East Technical University, 2018
Introduction to Game Theory, Anadolu University, 2017
Evolutionary Genomics Winter School, Hacettepe University, 2017

PRESENTATIONS

Biological Evolution, Science and Future Magazine Science for Youth Seminar, 2018
Evolutionary Perspectives on Ecological Problems, Turkey Meets Evolution: Bilkent University, 2016
Using Evolutionary Biology to Prevent the Extinction of Species, 7th National Environment and Ecology Student Congress, 2016

SELECTED SYMPOSIUM AND EVENTS

12th Aykut Kence Evolution Conference (2018) (*as Organizer*)

Turkey Meets Evolution: Izmir (2012) (*as Organizer*)

Tree of Evolution Bornova Anatolian High School Evolution Workshop (2012) (*as Organizer*)

TEACHING EXPERIENCE

Introduction to Computational Biology and Bioinformatics Workshop (with Python) (2020)

Statistics with R - Private course (2019)

Biometry Class (with R), Hacettepe University - Teaching Assistantship (2019)

Introductory Evolutionary Biology, Science and Utopia Evolution Courses (2017)

Introductory Evolutionary Biology, Hacettepe University Evolution Workshops (2016)

POPULAR PUBLICATIONS (IN TURKISH)

Science and Utopia Magazine, Issue: 283, Examining the Thin Line Between Living and Non-Living Matter, with Dr. Martin Hanczyc

Science and Utopia Magazine, Issue: 278, Education and Perceptions: Evolution in Turkey

Atheist Magazine, Issue: 16, The Evolving Brain

Atheist Magazine, Issue: 14, Evolutionary Perspectives on LGBTI+

Atheist Magazine, Issue: 13, Understanding Evolution via Human Body

Atheist Magazine, Issue: 12, Atheist Thinking under the Light of Evolution

Articles at Tree of Evolution can be found at <https://evrimagaci.org/uye/74>.

WRITING EXPERIENCE

- **Science and Utopia Magazine**

Science Writer, Subject: Evolutionary Biology

June 2017 - May 2018

- **Popular Science (Turkey)**

Translator

February 2016 - May 2016

- **Tree of Evolution**

Writer, Editor, Coordinator; Subject: Evolutionary Biology

November 2015 - present

SOCIETY MEMBERSHIPS

International Society for Computational Biology Student Council Regional Student Group Turkey, *2018 - present*

Ecology and Evolutionary Biology Society of Turkey, *2017 - present*

SCHOLARSHIPS & AWARDS

Erasmus+ Traineeship Grant, Imperial College London, *2019*

Hacktoberfest award for contributing to open source projects, *2018 and 2019*

Atheist Alliance International Foundation Scholarship, *2016 and 2017*

REFEREES

Dr. Matteo Fumagalli, m.fumagalli@imperial.ac.uk, imperial.ac.uk/people/m.fumagalli, Faculty of Natural Sciences, Department of Life Sciences, Silwood Park Campus, SL5 7PY, Ascot, Berks, UK

Dr. Barış Özüdoğru, barisoz@hacettepe.edu.tr, barisozudogru.com, Department of Biology, Hacettepe University, 06800 Ankara Turkey

Dr. Mehmet Somel, msomel@metu.edu.tr, compevo.bio.metu.edu.tr, Department of Biology, Middle East Technical University, 06800 Ankara Turkey

Dr. Ergi Deniz Özsoy, edo@hacettepe.edu.tr, Department of Biology, Hacettepe University, 06800 Ankara Turkey