

Curriculum Vitae

Personal Information

Name: BURAK BULUT

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Birth Place: İstanbul

Education

MSc. (2022) Biology/Bioinformatics (English Education) Bolu Abant İzzet Baysal University

Advisor: Assoc. Prof. Dr. Songül GÜREL

Co-Advisor: Assist. Prof. Dr. Ercan Selçuk ÜNLÜ

Title: “Meta analysis of RNA-Seq data for sugar beet (*Beta vulgaris L.*) under certain biotic and abiotic stresses”

BSc (2019) Biology (English Education) Bolu Abant İzzet Baysal University

Research Interests

- NGS, Big Data Analysis
- Transcriptome
- Meta-Analysis
- Multiple Sequence Analysis and Phylogenetic Tree
- Molecular Sequence Analysis

Projects

Türkiye Yerel Buğday Sempozyumu as Organizing Committee Member 2018

Abant İzzet Baysal University Biology Community as President 2018 – 2020

Birinci Temel Biyoinformatik Çalıştayı (Workshop) as Organizing Committee 2020

PARTICIPATED COURSES, CERTIFICATE & PROGRAMS

METU 11th Aykut Kence Evolution Conference February, 2017 Ankara

TSC Management Systems Academy May, 2017 Bolu

GMP - Good Manufacturing Practice May, 2017 Bolu

GLP - Good Laboratory Practice May, 2017 Bolu

GHP - Good Hygienic Practice May, 2017 Bolu

ISO/IEC 17025:2005 Competence of Testing and Calibration Laboratories May, 2017 Bolu

METU 12th Aykut Kence Evolution Conference February, 2018 Ankara

V. Taxonomy Summer School, 2021 Bolu

Experiences

Food Microbiology Laboratory, Professor Seyhun Yurdugül 2016-2017

Microbiology Laboratory, Professor Seza Arslan 2017-2018

Biotechnology and Genomics Laboratory, Asisstant Professor Murat Telli 2018-2020

Functional Genomics Laboratory, Asisstant Professor Ercan Selçuk ÜNLÜ 2020-2022

PCR setting Skills

Electrophoresis Setting Skills

Computer Qualifications

Scripting Languages : R**, Python*, Bash**

Operating Systems : Windows***, Ubuntu***

Document Editing : Office(any)***, Vim**

Bioinformatics Tools : FastQC**, Trimmomatic**, Hisat2***, featureCount***, e-utils**, BLAST+**, SRA-Toolkit**,

R packages : DESeq2**, tidyverse*, biomaRt**, metaRNASeq**, pathview**

*coded less than one thousand lines

**developed at least 1 small project or coded > 5,000 lines of code

***Use daily basis

PROCEEDINGS in CONFERENCE BOOKS

Murat Telli, Atalay Çalışan, Gülay Kalmaoğlu, **Burak Bulut*** (2018) Algae as a new alternative food additive combined with cereal. Oral Presentation in Türkiye Yerel Buğdaylar Sempozyumu, Bolu Turkey 20-22 Aralık 2018

References

Prof. Dr. Ekrem GÜREL

Professor at the Department of Biology, Bolu Abant İzzet Baysal University

Address : Bolu Abant İzzet Baysal Üniversitesi Fen Edebiyat Fakültesi, Biyoloji Bölüm Başkanlığı Gölköy Başkanlığı Yerleşkesi 14030 Merkez, Bolu, Turkey

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Assist. Prof. Dr. Ercan Selçuk ÜNLÜ

Assistant Professor at the Department of Chemistry, Bolu Abant İzzet Baysal University

Address : Bolu Abant İzzet Baysal Üniversitesi Fen Edebiyat Fakültesi, Kimya Bölüm Başkanlığı Gölköy Başkanlığı Yerleşkesi 14030 Merkez, Bolu, Turkey

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