

Res. Asst. PhD Sümeyye AKBULUT

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2017 - 2023

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2014 - 2017

Undergraduate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2010 - 2014

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Sertifikalı KVKK Eğitimi, Atatürk Üniversitesi Veri Yönetim Ofisi, 2022

Other, Diyetlere Güncel Yaklaşımlar Sempozyumu, ATATÜRK ÜNİVERSİTESİ, 2021

Other, Kadına Yönelik Şiddetle Mücadele Sempozyumu, Atatürk Üniversitesi Kadın Sorunları Uygulama ve Araştırma Merkez, 2021

Entrepreneurship, Yeni nesil girişimcilik eğitimi, T.C MEB Özel İstanbul Uzaktan Eğitim Kursu, 2021

Research Areas

Life Sciences, Microbiology, Bacteriology, Natural Sciences

Academic Titles / Tasks

Research Assistant, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2017 - Continues

Academic and Administrative Experience

Curriculum Preparation Committee Member, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2021 - Continues

Internship Committee Member, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2017 - Continues

Courses

YAŞAM BİLİMLERİ II LABORATUVARI, Undergraduate, 2022 - 2023
KLİNİK MİKROBİYOLOJİ, Undergraduate, 2022 - 2023
MİKROBİYAL METABOLİZMA , Undergraduate, 2022 - 2023
BİYOKİMYA LABORATUVARI, Undergraduate, 2022 - 2023
MOLEKÜLER BİYOLOJİDE KULLANILAN YÖNTEMLER II LABORATUVARI , Undergraduate, 2022 - 2023
MOLEKÜLER BİYOLOJİDE KULLANILAN YÖNTEMLER I LABORATUVARI , Undergraduate, 2022 - 2023
BİYOKİMYA LABORATUVARI, Undergraduate, 2021 - 2022
GENEL BİYOLOJİ II LABORATUVARI, Undergraduate, 2021 - 2022
YAŞAM BİLİMLERİ I LABORATUVARI , Undergraduate, 2022 - 2023
BİYOTEKNOLOJİ LABORATUVARI, Undergraduate, 2021 - 2022
MOLEKÜLER BİYOLOJİDE KULLANILAN YÖNTEMLER II LABORATUVARI , Undergraduate, 2020 - 2021
GENEL BİYOLOJİ II LABORATUVARI , Undergraduate, 2020 - 2021
MOLEKÜLER BİYOLOJİDE KULLANILAN YÖNTEMLER I LABORATUVARI, Undergraduate, 2020 - 2021
GENEL BİYOLOJİ I LABORATUVARI, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Waste frying oil hydrolysis and lipase production by cold-adapted *Pseudomonas yamanorum* LP2 under non-sterile culture conditions**
Komesli S., Akbulut S., Arslan N. P., Adıgüzel A., Taşkın M.
ENVIRONMENTAL TECHNOLOGY, vol.42, no.20, pp.3245-3253, 2021 (SCI-Expanded)
- II. ***Bacillus pasinlerensis* sp. nov., a thermophilic bacterium isolated from a hot spring in Turkey**
Baltacı M. Ö., Ay H., Akbulut S., Adıgüzel G., Albayrak Ş., Omeroglu M. A., Ozkan H., Taskin M., Adıgüzel A.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.70, no.6, pp.3865-3871, 2020 (SCI-Expanded)
- III. **Genome-based classification of *Calidifontibacillus erzurumensis* gen. nov., sp. nov., isolated from a hot spring in Turkey, with reclassification of *Bacillus azotoformans* as *Calidifontibacillus azotoformans* comb. nov. and *Bacillus oryzae* as *Calidifontibacillus oryzae* comb. nov.**
Adıgüzel A., Ay H., Baltacı M. Ö., Akbulut S., Albayrak Ş., Omeroglu M. A.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.70, no.12, pp.6418-6427, 2020 (SCI-Expanded)
- IV. **A novel endo-beta-1,4-xylanase from *Pediococcus acidilactici* GC25; purification, characterization and application in clarification of fruit juices**
Adıgüzel G., Faiz O., Şişecioglu M., Sari B., Baltacı O., Akbulut S., Genc B., Adıgüzel A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.129, pp.571-578, 2019 (SCI-Expanded)
- V. **Isolation and Characterization of Thermophilic Bacteria from Geothermal Areas in Turkey and Preliminary Research on Biotechnologically Important Enzyme Production**
Baltacı M. Ö., Genc B., Arslan S., Adıgüzel G., Adıgüzel A.
Geomicrobiology Journal, vol.34, no.1, pp.53-62, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Identification and Potential Biotechnological Characterization of Lactic Acid Bacteria Isolated from White Cheese Samples**
Akbulut S., Baltacı M. Ö., Çanakçı Adıgüzel G., Adıgüzel A.
JOURNAL OF PURE AND APPLIED MICROBIOLOGY, vol.16, pp.2912-2922, 2022 (ESCI)
- II. **Bacteriocin Producing Bacteria Isolated from Turkish Traditional Sausage Samples**

Refereed Congress / Symposium Publications in Proceedings

- I. **Purification of Laccase from *Bacillus licheniformis* S08 with Three-Phase Partitioning, Characterization, and Usage in Dye Decolorization**
Yıldırgan S., Aygün Alçıçek E., Akbulut S., Şişecioğlu M., Adıgüzel A.
4th Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 3 - 06 November 2022, pp.66
- II. **Determination of Food Safety of Bacteriocin Producing Lactic Acid Bacteria Isolated from White Cheese**
Akbulut S., Daşdemir E., Adıgüzel A., Özkan H.
4th Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 3 - 06 November 2022, pp.120
- III. **Bacteriocin production potential of cheese-borne *Staphylococcus hominis***
Akbulut S., Tuysuz E., Adıgüzel A., Özkan H.
has participated in 2nd International Conference on Applied Engineering and Natural Sciences on 10-13 March in 2022 at Konya/Turkey., Konya, Turkey, 10 - 13 March 2022, pp.1
- IV. **PROBIOTIC LACTIC ACID BACTERIA**
Akbulut S., Tuysuz E., Taşkın M., Adıgüzel A., Çanakçı Adıgüzel G., Özkan H.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.44
- V. **PROTEİN HYDROLYSATES FROM ANİMAL WASTE PRODUCTS**
Tuysuz E., Akbulut S., Adıgüzel A., Özkan H., Taşkın M.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), 10 - 12 September 2021, pp.345-352
- VI. **ANTIMICROBIAL ACTIVITY OF FOOD-BORNE *Lactobacillus paracasei* subsp. *paracasei***
Akbulut S., Tuysuz E., Adıgüzel A., Özkan H., Taşkın M.
3.ULUSLARARASI FEN BİLİMLERİ VE İNOVASYON KONGRESİ , Ankara, Turkey, 21 - 22 November 2021, pp.42-49
- VII. **Investigation of Bacteriocin Production Potentials of Lactic Acid Bacteria Isolated From Raw Milk Samples**
Akbulut S., Tuysuz E., Adıgüzel A., Özkan H., Taşkın M.
3. Avrasya Biyokimyasal Yaklaşımlar ve Teknolojiler (EBAT) 2021 , Antalya, Turkey, 4 - 07 November 2021, pp.89
- VIII. **ÇİĞ SÜT ÖRNEKLERİNDEN İZOLE EDİLEN LAKTİK ASİT BAKTERİLERİNİN ANTİMİKROBİYAL ÖZELLİKLERİNİN ARAŞTIRILMASI**
Akbulut S., Tuysuz E., Adıgüzel A., Özkan H.
İSTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 4 - 05 June 2021, pp.326-334
- IX. **Three-Phase Partitioning of Alkaline Thermoactive, organic Solvent and H₂O₂- Tolerant Protease from a Newly Isolated and Identified *Bacillus licheniformis* EA10**
ALÇIÇEK E., AKBULUT S., DEMİR Y., ŞİŞECİOĞLU M., ADIGÜZEL A.
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, vol.3, pp.87
- X. **Determination of protease enzyme production potentials of thermophilic bacteria isolated from hot water springs**
Doymuş M., Tuysuz E., Arslan S., Albayrak Ş., Özkan H., Taşkın M., Adıgüzel A., Çanakçı Adıgüzel G.
7th International Molecular Biology And Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.1-3
- XI. **Isolation, identification and molecular characterization of lactic acid bacteria collected from different regions of Turkey white cheese samples**
ÇANAKÇI ADIGÜZEL G., ARSLAN S., TAŞKIN M., ARSLAN N. P., ADIGÜZEL A., ALBAYRAK Ş., ÖZKAN H.
7th International Molecular Biology And Biotechnology Congress, 25 - 27 April 2018
- XII. **Molecular characterization of cellulolytic bacteria from rumen samples**

BALTACI M. Ö., ÇANAĞÇI ADIGÜZEL G., ARSLAN S., ADIGÜZEL A., ÖZKAN H., TAŞKIN M.

7th InternationalMolecular Biology and Biotechnology Congress, 25 - 27 April 2018

XIII. Molecular characterization of Listeria monocytogenes isolated from chicken samples

ARSLAN S., BALTACI M. Ö., ÇANAĞÇI ADIGÜZEL G., ŞEYDA A., ÖZKAN H., ADIGÜZEL A., TAŞKIN M.

7th InternationalMolecular Biology and BiotechnologyCongress, 25 - 27 April 2018

XIV. ISOLATION, IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF LACTIC ACID BACTERIA FROM WHITE CHEESE SAMPLES COLLECTED FROM KONYA, KARAMAN AND SURROUNDINGS

ÇANAĞÇI ADIGÜZEL G., ARSLAN S., BALTACI M. Ö., ŞİŞECİOĞLU M., ADIGÜZEL A.

icanas, 18 - 21 April 2017

Supported Projects

ERDOĞAN O., ADIGÜZEL A., ŞİŞMAN T., AŞKIN H., ŞİŞECİOĞLU M., BUDAK H., ÖZKAN H., ÜNVER Y., CEYLAN H., KARAMAN M., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümü Araştırma

Altyapısının geliştirilmesi, 2023 - Continues

ÇANAĞÇI ADIGÜZEL G., ADIGÜZEL A., BALTACI M. Ö., AKBULUT S., ALBAYRAK Ş., ÖMEROĞLU M. A., Project Supported by Higher Education Institutions, Rumenden izole edilen ve Clostridium cinsine ait yeni bir tür olan CX1 suşunun Polifazik Karakterizasyonu, 2022 - Continues

Akbulut S., Toraman E., Daşdemir E., Project Supported by Other Official Institutions, Minik yavrularımız aç kalmasin, 2023 - 2023

Toraman E., Akbulut S., Daşdemir E., Project Supported by Other Official Institutions, Depremzedeler yardım bekliyor!, 2023 - 2023

Toraman E., Akbulut S., Daşdemir E., Project Supported by Other Official Institutions, Depremzedeler için gıda yardımı, 2023 - 2023

Toraman E., Akbulut S., Daşdemir E., Project Supported by Other Official Institutions, Depremzedeler için buradayız!, 2023 - 2023

ERDOĞAN O., YILMAZ A., ÖMEROĞLU M. A., ADIGÜZEL A., ŞİŞMAN T., ŞİŞECİOĞLU M., BUDAK H., ÖZKAN H., AŞKIN H., ÜNVER Y., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümü Kanser Araştırma Laboratuvarı Araştırma Altyapısının Desteklenmesi, 2022 - 2023

Akbulut S., Adigüzel A., Project Supported by Higher Education Institutions, Investigation of Potential Use of Locally Isolated Lactic Acid Bacteria as Probiotics, 2021 - 2023

ADIGÜZEL A., ERDOĞAN O., ÜNVER Y., CEYLAN H., YILDIZ M., KARADAYI G., ANAKÖK Ö. F., YILMAZ A., BALTACI M. Ö., AKBULUT S., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümünün Laboratuvar İmkanlarının ve Akademik Araştırma Potansiyelinin Geliştirilmesi, 2020 - 2022

ADIGÜZEL A., AY H., BALTACI M. Ö., AKBULUT S., Project Supported by Higher Education Institutions, Yeni Termofilik Bacillus Türlerinin Polifazik Karakterizasyonu, 2019 - 2020

TAŞKIN M., ALBAYRAK Ş., TUYSUZ E., AKBULUT S., BALTACI M. Ö., ÖZKAN H., ADIGÜZEL A., Project Supported by Higher Education Institutions, Ramnolipid üretme potansiyeline sahip bakterilerin izolasyonu ve moleküler karakterizasyonu, 2018 - 2020

ADIGÜZEL A., TUYSUZ E., BALTACI M. Ö., CEYLAN H., ÜNVER Y., ERDOĞAN O., AKBULUT S., ANAKÖK Ö. F., BUDAK H., YILDIZ M., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümü Araştırma Destek Projesi, 2018 - 2019

ADIGÜZEL A., ÇANAĞÇI ADIGÜZEL G., BALTACI M. Ö., AKBULUT S., GENÇ B., SARI B., TARAKÇIOĞLU S., Project Supported by Higher Education Institutions, BEYAZ PEYNİR ÖRNEKLERİNDEN LAKTİK ASİT BAKTERİLERİNİN İZOLASYONU VE MOLEKÜLER KARAKTERİZASYONU, 2015 - 2017

ÇANAĞÇI ADIGÜZEL G., AKBULUT S., GENÇ B., SARI B., TARAKÇIOĞLU S., ADIGÜZEL A., NADAROĞLU H., BALTACI M. Ö., Project Supported by Higher Education Institutions, SUCUKTAN LAKTİK ASİT BAKTERİLERİNİN İZOLASYONU, İDENTİFİKASYONU VE KSİLANAZ ENZİMİNİN SAFLAŞTIRILMASI, KARAKTERİZASYONU, 2015 - 2017

Tasks In Event Organizations

Bayrakçeken Yurtcan A., TUYSUZ E., TORAMAN E., AKBULUT S., GÜROL A., ÖZAKIN O., ÖZDÖNMEZ A., 1st International Congress on Natural Sciences, Scientific Congress, Erzurum, Turkey, Eylül 2021

Şişman T., Bayrakçeken Yurtcan A., Tuysuz E., Akbulut S., Gürol A., Özdönmez A., 1st International Symposium on Recent Advances in Fundamental and Applied Sciences , Scientific Congress, Erzurum, Turkey, Eylül 2021

Metrics

Publication: 21

Citation (WoS): 90

Citation (Scopus): 114

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

3. INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Audience, Ankara, Turkey, 2021

3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Audience, Antalya, Turkey, 2021

1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), Audience, Erzurum, Turkey, 2021

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Audience, Erzurum, Turkey, 2021

ISTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS, Audience, İstanbul, Turkey, 2021

2. International Symposium on Innovative Approaches in Scientific Studies , Audience, Samsun, Turkey, 2018

7th INTERNATIONAL MOLECULAR BIOLOGY and BIOTECHNOLOGY CONGRESS, Audience, Konya, Turkey, 2018