

## Assoc. Prof. Mustafa Özkan BALTACI

### Personal Information

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### International Researcher IDs

ScholarID: uJb5xwgAAAAJ

ORCID: 0000-0003-4968-9016

Yoksis Researcher ID: 123657

### Education Information

Doctorate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2015 - 2020

Postgraduate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2013 - 2015

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Course, III. Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu , Atatürk Üniversitesi, 2016

### Dissertations

Doctorate, Ham petrol kontaminasyonunun mikrobiyal olarak biyoremediasyonu, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji ve Genetik Anabilim Dalı, 2020

Postgraduate, Erzurum mezbahalarından toplanan işkembe örneklerinden selülitik bakterilerin izolasyonu, identifikasyonu ve moleküler karakterizasyonu, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik/Mikrobiyoloji, 2015

### Research Areas

Life Sciences, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2024 - Continues

Assistant Professor, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - 2024

Research Assistant, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2014 - 2022

## Academic and Administrative Experience

Assistant Manager of Research and Application Center, Ataturk University, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2024 - Continues

Program Accreditation-Self-Assessment Committee Member, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - Continues

Mevlana Exchange Program Department Coordinator, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2019 - Continues

Erasmus Program Department Coordinator, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2019 - Continues

Mevlana Exchange Program Department Coordinator, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji ve Genetik Anabilim Dalı, 2019 - Continues

Erasmus Program Department Coordinator, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji ve Genetik Anabilim Dalı, 2019 - Continues

Farabi Program Department Coordinator, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2019 - Continues

Farabi Program Department Coordinator, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2019 - Continues

Deputy Head of Department, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - 2023

Atatürk Üniversitesi, 2015 - 2017

Atatürk Üniversitesi, 2015 - 2017

Atatürk Üniversitesi, 2015 - 2017

## Courses

Moleküler Hücre Biyolojisi I, Undergraduate, 2022 - 2023

Çevresel Biyoteknoloji, Undergraduate, 2022 - 2023

İmmünoloji, Undergraduate, 2021 - 2022

Bakteriyoloji, Undergraduate, 2021 - 2022

Moleküler Hücre Biyolojisi Laboratuvarı, Undergraduate, 2022 - 2023

Genetik Mühendisliği Laboratuvarı, Undergraduate, 2022 - 2023

Akuatik mikrobiyoloji, Postgraduate, 2022 - 2023

Mikrobiyal Ekoloji, Undergraduate, 2022 - 2023

İmmünogenetik, Undergraduate, 2022 - 2023

Mikrobiyal Metabolizma, Undergraduate, 2021 - 2022

Hücrebiyolojisi laboratuvarı, Undergraduate, 2021 - 2022

İmmunogenetik, Undergraduate, 2021 - 2022

Temel Mikrobiyoloji Laboratuvarı, Undergraduate, 2020 - 2021

Mikrobiyal Metabolizma, Undergraduate, 2020 - 2021

Moleküler Biyolojide Kullanılan Yöntemler II Laboratuvarı, Undergraduate, 2020 - 2021

Bakteriyoloji, Undergraduate, 2021 - 2022

Gen Mühendisliği Laboratuvarı, Undergraduate, 2021 - 2022

Moleküler Evrim, Undergraduate, 2021 - 2022

Bakteriyoloji, Undergraduate, 2020 - 2021

Mikoloji, Undergraduate, 2021 - 2022

Moleküler Biyolojide Kullanılan Yöntemler I Laboratuvarı, Undergraduate, 2021 - 2022

Moleküler Biyolojide Kullanılan Yöntemler I Laboratuvarı, Undergraduate, 2020 - 2021

Genel Biyoloji Laboratuvarı I, Undergraduate, 2020 - 2021

Gen Mühendisliği Laboratuvarı, Undergraduate, 2020 - 2021

Hücre Biyolojisi Laboratuvarı, Undergraduate, 2020 - 2021

Bacteriology, Undergraduate, 2020 - 2021

Temel Genetik Laboratuvarı, Undergraduate, 2020 - 2021

İmmunogenetik, Undergraduate, 2020 - 2021

## Jury Memberships

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Impact of a novel caseinolytic protease single mutation on *Lactiplantibacillus pentosus* growth performance**  
Zater Z. Y., Merzoug M., BALTACI M. Ö., Todorov S. D., ADIGÜZEL A., Roudj S.  
Process Biochemistry, vol.145, pp.145-152, 2024 (SCI-Expanded)
- II. **From agro-food waste to nanoparticles: green synthesis of copper nanoparticles with lignin peroxidase enzyme produced by *Anoxybacillus rupiensis* using peanut shells**  
Sus B., BALTACI M. Ö., NADAROĞLU H., ADIGÜZEL A.  
Environmental Science and Pollution Research, vol.31, no.39, pp.52049-52059, 2024 (SCI-Expanded)
- III. **Turning waste into biofuel: Non-sterile fermentation of molasses using immobilized cells of *Bacillus licheniformis* BD43 for efficient 2,3-Butanediol production**  
ÖMEROĞLU M. A., BALTACI M. Ö., TAŞKIN M., ADIGÜZEL A.  
Industrial Crops and Products, vol.211, 2024 (SCI-Expanded)
- IV. **Green alternatives to petroleum-based plastics: production of bioplastic from *Pseudomonas neustonica* strain NGB15 using waste carbon source.**  
Baltacı N., Baltacı M. Ö., Görmez A., Örtücü S.  
Environmental science and pollution research international, vol.31, no.21, pp.31149-31158, 2024 (SCI-Expanded)
- V. **Determination of foodborne pathogens in minced beef by real-time PCR without culture enrichment**  
Turanoglu B., Omeroglu M. A., Baltaci M. Ö., Adiguzel G., Adiguzel A.  
JOURNAL OF MICROBIOLOGICAL METHODS, vol.219, 2024 (SCI-Expanded)
- VI. **Enhanced biodegradation of crude oil contamination by indigenous bacterial consortium under real conditions**  
BALTACI M. Ö., ÖMEROĞLU M. A., ÖZKAN H., TAŞKIN M., ADIGÜZEL A.  
BIOCATALYSIS AND BIOTRANSFORMATION, vol.42, no.1, pp.56-67, 2024 (SCI-Expanded)
- VII. ***Anoxybacillus*: an overview of a versatile genus with recent biotechnological applications**  
Omeroglu M. A., Baltaci M. Ö., Adiguzel A.  
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.39, no.6, 2023 (SCI-Expanded)
- VIII. **Purification and biochemical characterization of a new thermostable laccase from *Enterococcus faecium* A2 by a three-phase partitioning method and investigation of its decolorization potential**  
Birge A., Alcicek E. A., Baltacı M. Ö., Şişecioğlu M., Adıgüzel A.  
ARCHIVES OF MICROBIOLOGY, vol.204, no.8, 2022 (SCI-Expanded)
- IX. **Enhancement of cellulase production by co-culture of *Streptomyces ambofaciens* OZ2 and *Cytobacillus oceanisediminis* OZ5 isolated from rumen samples**  
BALTACI M. Ö.  
BIOCATALYSIS AND BIOTRANSFORMATION, vol.40, no.2, pp.144-152, 2022 (SCI-Expanded)
- X. **Production of Endoglucanase by *Exiguobacterium mexicanum* OB24 Using Waste Melon Peels as Substrate**  
BALTACI M. Ö., ÖMEROĞLU M. A., ALBAYRAK Ş., Adiguzel G., ADIGÜZEL A.  
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.94, 2022 (SCI-Expanded)

- XI. **Bioconversion of waste sheep wool to microbial peptone by *Bacillus licheniformis* EY2**  
Tuysuz E., Özkan H., Arslan N. P., Adıgüzel A., Baltacı M. Ö., Taşkın M.  
BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR, vol.15, no.5, pp.1372-1384, 2021 (SCI-Expanded)
- XII. **Preparation of chitosan from waste shrimp shells fermented with *Paenibacillus jamilae* BAT1**  
Taser B., Ozkan H., Adiguzel A., Orak T., Baltaci M. Ö., Taskin M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.183, pp.1191-1199, 2021 (SCI-Expanded)
- XIII. **Production of water-soluble sulfated exopolysaccharide with anticancer activity from *Anoxybacillus gonensis* YK25**  
Karadayi Y. I., Aykutoglu G., Arslan N. P., BALTACI M. Ö., ADIGÜZEL A., TAŞKIN M.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.5, pp.1258-1266, 2021 (SCI-Expanded)
- XIV. **Effect of final irrigation with sodium hypochlorite at different temperatures on postoperative pain level and antibacterial activity: a randomized controlled clinical study**  
Karataş E., Ayaz N., Uluköylü E., Baltacı M. Ö., Adıgüzel A.  
JOURNAL OF APPLIED ORAL SCIENCE, vol.29, 2021 (SCI-Expanded)
- XV. **Production of linoleic acid-rich lipids in molasses-based medium by oleaginous fungus *Galactomyces geotrichum* TS61**  
Altun R., Esim N., Aykutoglu G., Baltacı M. Ö., Adıgüzel A., Taşkın M.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.44, no.7, 2020 (SCI-Expanded)
- XVI. **Antibacterial effectiveness of calcium hydroxide alone or in combination with Ibuprofen and Ciprofloxacin in teeth with asymptomatic apical periodontitis: a randomized controlled clinical study.**  
Karataş E., Baltacı M. Ö., Uluköylü E., Adıgüzel A.  
International endodontic journal, vol.53, no.6, pp.742-753, 2020 (SCI-Expanded)
- XVII. **Enhancement of Amylase and Lipase Production from *Bacillus licheniformis* 016 Using Waste Chicken Feathers as Peptone Source**  
Baltacı M. Ö., Orak T., Taşkın M., Adıgüzel A., Özkan H.  
Waste and Biomass Valorization, vol.11, no.5, pp.1809-1819, 2020 (SCI-Expanded)
- XVIII. **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.**  
Adiguzel A., Ay H., Baltaci 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)
- XIX. ***Bacillus pasinlerensis* sp. nov., a thermophilic bacterium isolated from a hot spring in Turkey**  
Baltaci M. Ö., Ay H., Akbulut S., Adiguzel G., Albayrak Ş., Omeroglu M. A., Ozkan H., Taskin M., Adiguzel A.  
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.70, no.6, pp.3865-3871, 2020 (SCI-Expanded)
- XX. **A novel endo- $\beta$ -1,4-xylanase from *Pediococcus acidilactici* GC25 purification, characterization and application in clarification of fruit juices**  
Çanakçı Adıgüzel G., Faiz O., Şişeciöğlü M., Sarı B., Baltacı M. Ö., Arslan S., Genç B., Adıgüzel A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.129, pp.571-578, 2019 (SCI-Expanded)
- XXI. **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., Adiguzel G., Adıgüzel A.  
Geomicrobiology Journal, vol.34, no.1, pp.53-62, 2017 (SCI-Expanded)
- XXII. **Purification and biochemical characterization of a novel thermostable serine alkaline protease from *Aeribacillus pallidus* C10: a potential additive for detergents**  
YILDIRIM V., BALTACI M. Ö., OZGENCLI I., ŞİŞECİOĞLU M., ADIGÜZEL A., Adiguzel G.  
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.32, no.1, pp.468-477, 2017 (SCI-Expanded)
- XXIII. **Isolation, Identification and Molecular Characterization of Cellulolytic Bacteria from Rumen Samples collected from Erzurum Slaughter House, Turkey**

BALTACI M. Ö., ADIGÜZEL A.

RESEARCH JOURNAL OF BIOTECHNOLOGY, vol.11, no.2, pp.32-38, 2016 (SCI-Expanded)

- XXIV. **Thermotolerant alkaline protease enzyme from Bacillus licheniformis A10: purification, characterization, effects of surfactants and organic solvents**

YILMAZ B., BALTACI M. Ö., ŞİŞECİOĞLU M., ADIGÜZEL A.

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1241-1247, 2016 (SCI-Expanded)

- XXV. **Identification of Thermophilic Strains from Geothermal Areas in Turkey by using Conventional and Molecular Techniques**

YANMIS D., BALTACI M. Ö., GÜLLÜCE M., ADIGÜZEL A.

RESEARCH JOURNAL OF BIOTECHNOLOGY, vol.10, no.1, pp.39-45, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Cloning and Production of Protease Enzyme from Aeribacillus pallidus P18 Strain**  
Saadati M., BALTACI M. Ö., ADIGÜZEL A., ERDOĞAN O.  
JOURNAL OF PURE AND APPLIED MICROBIOLOGY, vol.18, pp.1326-1335, 2024 (ESCI)
- II. **Effect of T ect of Triple Antibiotic P riple Antibiotic Paste, Double Antibiotic P aste, Double Antibiotic Paste, and aste, and Calcium Hy Calcium Hydroxide on Antibiotic Resistance of T xide on Antibiotic Resistance of Tet Repr et Repressor Proteins, T oteins, Tetracycline Resistance Gene W cline Resistance Gene W, and T , and Tetracycline Resistance Gene Q: A Randomized Controlled Clinical Trial**  
Karataş E., Kirmızıbekmez Ö., Baltacı M. Ö., Adıgüzel A.  
JOURNAL OF DENTISTRY INDONESIA, vol.30, 2023 (ESCI)
- III. **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)
- IV. **Isolation and Molecular Characterization Of Antimicrobial Agent Producing Bacteria Isolated From Palandoken Mountain**  
Baltacı M. Ö.  
Turkish Journal of Nature and Science, vol.10, no.1, pp.254-258, 2021 (Peer-Reviewed Journal)
- V. **Lipase Production From Thermophilic Bacteria Using Waste Frying Oil As Substrate**  
TUYSUZ E., BALTACI M. Ö., ÖZKAN H., TAŞKIN M., ADIGÜZEL A.  
Teknik Bilimler Dergisi, vol.9, no.3, pp.23-27, 2019 (Peer-Reviewed Journal)
- VI. **Detection of methicillin resistance in staphylococcus aureus isolates by classical and molecular methods Staphylococcus aureus suşlarında metisilin direncinin klasik ve moleküler yöntemlerle araştırılması**  
HANCI H., Ayyıldız A., BALTACI M. Ö., İGAN H., UYANIK M. H., ADIGÜZEL A.  
Klimik Dergisi, vol.31, no.1, pp.30-33, 2018 (ESCI)
- VII. **Soya Bitkisindeki Glutatyon Redüktaz Aktivitesi ve mRNA Seviyesinin Kuraklık Stresinde Salisilik Asit ile Değişimleri**  
Taşğın E., Nadaroğlu H., Adıgüzel A., Baltacı M. Ö., Sönmez Z.  
Academic Platform-Journal of Engineering and Science, vol.1, no.1, pp.48, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Moleküler Biyoloji Teknikleri Laboratuvar El Kitabı**  
ERDOĞAN O., ADIGÜZEL A., AŞKIN H., ŞİŞECİOĞLU M., TAŞKIN M., BUDAK H., ANAR M., CEYLAN H., ÜNVER Y.,

## Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis, Characterization and Antimicrobial Activities of Tetra-Paraben Substituted Monospiro Cyclotriphosphazenes**  
Baltacı M. Ö., Şenkuytu E.  
9 TH INTERNATIONAL BAU DRUG DESIGN CONGRESS, İstanbul, Turkey, 29 November - 02 December 2023, pp.91
- II. **Production Of Microbial Cellulase From Pineapple Peels**  
Önder S. H., Meral E., Algül B., Baltacı M. Ö., Adıgüzel A.  
2nd International Congress on Scientific Advances, Balıkesir, Turkey, 21 - 24 December 2022, pp.774
- III. **Production of Amylase from Aeribacillus pallidus A07 using Potato Peel Powder**  
Ömeroğlu M. A., Albayrak Ş., Baltacı M. Ö., Adıgüzel A.  
second international congress on biological and health sciences, Afyonkarahisar, Turkey, 24 - 27 February 2022, pp.219-224
- IV. **Production and optimization of lipase by Anoxybacillus flavitermus MOB61 using cooking oil as substrate**  
Baltacı M. Ö.  
Second International Congress on Biological and Health Sciences, Afyonkarahisar, Turkey, 24 - 27 February 2022, pp.32-41
- V. **Bioethanol Production**  
Ömeroğlu M. A., Baltacı M. Ö., Özkan H., Adıgüzel A.  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.312-318
- VI. **PRODUCTION AND OPTIMIZATION OF CELLULASE FROM PAENIBACILLUS VALIDUS OZ36**  
Baltacı M. Ö.  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.298-302
- VII. **Effect of Sodium Hypochlorite Temperature on Postoperative Pain Level and Antibacterial Activity: A Randomized Controlled Clinical Study**  
KARATAŞ E., ayaz n., ULUKÖYLÜ E., BALTACI M. Ö., ADIGÜZEL A.  
American Association of Endodontists annual meeting, 1 - 04 April 2020, vol.46, pp.1-43
- VIII. **Molecular Characterization of Thermophilic Bacteria and Investigation of Their Potential to Produce Biotechnologically Important Enzymes**  
ÖMEROĞLU M. A., BALTACI M. Ö., ALBAYRAK Ş., ÖZKAN H., ADIGÜZEL A.  
2nd INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, 8 - 11 November 2019
- IX. **Molecular Characterization of Lactic Acid Bacteria from Cheese Samples**  
ARSLAN S., ÖMEROĞLU M. A., BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., TAŞKIN M., ADIGÜZEL A.  
2nd INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, 8 - 11 November 2019
- X. **Molecular Characterization of Bacteria which is Capable of Producing Biodiesel**  
ALBAYRAK Ş., ÖMEROĞLU M. A., BALTACI M. Ö., TAŞKIN M., ADIGÜZEL A.  
Natural2019, Ankara, Turkey, 2 - 06 October 2019, pp.198-203
- XI. **Amylase production from thermophilic bacteria using potato peel powder as substrate**  
Baltacı M. Ö., Tuysuz E., Taşkın M., Adıgüzel A., Özkan H.  
ISAS WINTER-2018, Samsun, Turkey, 30 November - 02 December 2018
- XII. **Lipase production from thermophilic bacteria using waste frying oil as substrate**  
Tuysuz E., Baltacı M. Ö., Özkan H., Taşkın M., Adıgüzel A.  
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, vol.3, pp.54

- XIII. **Isolation and molecular characterization of thermophilic bacteria with potency to produce enzymes which are industrially important**  
TAŞKIN M., ÖZKAN H., ŞEYDA A., BALTACI M. Ö., TUYSUZ E., ADIGÜZEL A., ÇANAKÇI ADIGÜZEL G.  
7th InternationalMolecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XIV. **Determination of amylase enzyme production potentials of thermophilic bacteria isolated from hot water springs**  
BALTACI M. Ö., ÖZKAN H., TUYSUZ E., ALBAYRAK Ş., TAŞKIN M., ASLAN N. P., ADIGÜZEL A.  
7th InternationalMolecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XV. **Molecular characterization of Listeria monocytogenes isolatedfrom chicken samples**  
ARSLAN S., BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ŞEYDA A., ÖZKAN H., ADIGÜZEL A., TAŞKIN M.  
7th InternationalMolecular Biology and BiotechnologyCongress, 25 - 27 April 2018
- XVI. **Identification of lactic acid bacteria isolated from Turkey dryfermented sausage**  
ÇANAKÇI ADIGÜZEL G., TAŞKIN M., ÖZKAN H., BALTACI M. Ö., TUYSUZ E., ARSLAN S., ADIGÜZEL A.  
7th InternationalMolecular Biology and BiotechnologyCongress, 25 - 27 April 2018
- XVII. **Determination of lipase enzyme production potentials of thermophilic bacteria isolated from hot water springs**  
ÖZKAN H., ÇANAKÇI ADIGÜZEL G., BALTACI M. Ö., ARSLAN S., TUYSUZ E., TAŞKIN M., ASLAN N. P., ADIGÜZEL A.  
7th InternationalMolecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XVIII. **Molecular characterization of cellulolytic bacteria from rumen samples**  
BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ARSLAN S., ADIGÜZEL A., ÖZKAN H., TAŞKIN M.  
7th InternationalMolecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XIX. **İmmünkompetan Bir Çocuk Hastada Aspergillus Fumigatus!a bağlı Kronik Otit Olgusu**  
KAYA s. s., KILIÇ K., ÇAPANOĞLU m., ASLAN M. H., BALTACI M. Ö.  
11. Ulusal Çocuk Enfeksiyon Hastalıkları Kongresi, Turkey, 4 - 08 April 2018
- XX. **İmmünkompetan bir çocuk hastada Aspergillus fumigatus'a bağlı kronik otit olgusu**  
KARA S. S., KILIÇ K., MURAT Ç., ASLAN M. H., BALTACI M. Ö.  
11. Ulusal Çocuk Enfeksiyon Hastalıkları Kongresi, Turkey, 4 - 08 April 2018
- XXI. **Isolation and Identification of Cellulolytic Bacteria from Rumen Samples**  
BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A.  
ICANAS, 18 - 21 April 2017
- XXII. **Purification and Characterization of Xylanase from Pediococcus acidilactici GC25 Strain, and Examining Its Biotechnological Applicability**  
FAİZ Ö., ÇANAKÇI ADIGÜZEL G., SARI B., BALTACI M. Ö., ARSLAN S., ŞİŞECİOĞLU M., ADIGÜZEL A.  
ICANAS, 18 - 21 April 2017
- XXIII. **Purification and Characterization of Lipase Enzyme from Pediococcus acidilactici AG25 with Three Phase Partitioning System**  
ŞİŞECİOĞLU M., BALTACI M. Ö., ADIGÜZEL A., ÇANAKÇI ADIGÜZEL G.  
ICANAS, 18 - 21 April 2017
- XXIV. **ISOLATION, IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF LACTIC ACID BACTERIA FROM WHITE CHEESE SAMPLES COLLECTED FROM KONYA, KARAMAN AND SURROUNDINGS**  
ÇANAKÇI ADIGÜZEL G., ARSLAN S., BALTACI M. Ö., ŞİŞECİOĞLU M., ADIGÜZEL A.  
ICANAS, 18 - 21 April 2017
- XXV. **ISOLATION, IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF LACTIC ACID BACTERIA FROM WHITE CHEESE SAMPLES COLLECTED FROM KONYA, KARAMAN AND SURROUNDINGS**  
ÇANAKÇI ADIGÜZEL G., ARSLAN S., BALTACI M. Ö., ŞİŞECİOĞLU M., ADIGÜZEL A.  
icanas, 18 - 21 April 2017
- XXVI. **Soya Bitkisindeki Glutatyon Redüktaz Aktivitesi ve mRNA Seviyesinin Kuraklık Stresinde Salisilik Asit ile Değişimleri**  
TAŞĞIN E., NADAROĞLU H., ADIGÜZEL A., BALTACI M. Ö., SÖNMEZ Z.  
ISEM2016, 3rd International Symposium on Environment and Morality, 4 - 06 November 2016, pp.1009-1014
- XXVII. **Expression and Activity of Glutathione Reductase under Drought Stress and Salicylic Acid**

**Treatment in Leaves of soybean**

TAŞĞIN E., NADAROĞLU H., ADIGÜZEL A., BALTACI M. Ö., SONMEZ Z.

ISEM2016, 3rd International Symposium on Environment and Morality, 22 - 25 September 2016

- XXVIII. **Obtained Mannanase from Some Lactic Acid Bacteria and Determination of Usability in Fruit Juice Clarification**  
ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A., NADAROĞLU H., BALTACI M. Ö.  
ICANAS Congress, 21 - 23 April 2016
- XXIX. **Isolation Identification and Molecular Characterization of Lactic Acid Bacteria of White Cheese Samples Collected from Erzurum and Kars Regions**  
ARSLAN S., TARAKÇIOĞLU S., SARI B., GENÇ B., ÇANAKÇI ADIGÜZEL G., BALTACI M. Ö., ADIGÜZEL A.  
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- XXX. **Obtained Mannanase from Some Lactic Acid Bacteria and Determination of Usability in Fruit Juice Clarification**  
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- XXXI. **Molecular Characterization of Cellulolytic Bacteria Collected Rumen Samples from Erzurum Slaughter House**  
BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A.  
International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016
- XXXII. **Obtained B Mannanase from Some Lactic Acid Bacteria and Determination of Usability in Fruit Juice Clarification**  
ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A., NADAROĞLU H., BALTACI M. Ö.  
International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016
- XXXIII. **Molecular Characterization of Cellulolytic Bacteria Collected Rumen Samples From Erzurum Slaughter House**  
BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A.  
ICANAS Congress, 21 - 23 April 2016
- XXXIV. **Obtained Beta Mannanase from Some Lactic Acid Bacteria and Determination of Usability in Fruit Juice Clarification**  
ÇANAKÇI ADIGÜZEL G., ADIGÜZEL A., NADAROĞLU H., BALTACI M. Ö.  
ICANAS, 21 - 23 April 2016, pp.333
- XXXV. **Isolation Identification and Molecular Characterization of Lactic Acid Bacteria of White Cheese Samples Collected from Erzurum and Kars Regions**  
ARSLAN S., TARAKÇIOĞLU S., SARI B., GENÇ B., ÇANAKÇI ADIGÜZEL G., BALTACI M. Ö., ADIGÜZEL A.  
ICANAS, 21 - 23 April 2016, pp.334
- XXXVI. **Purification Characterization and Biotechnological Applicability of Alkaline Protease by *Aeribacillus pallidus* C10**  
YILDIRIM V., GENÇ B., BALTACI M. Ö., ŞİŞECİOĞLU M., ADIGÜZEL A.  
International Eurasia Pharmacy Congress, Erzurum, Turkey, 3 - 07 September 2015
- XXXVII. **A Novel cellulase from *Anoxybacillus gonensis* A4 isolated from geothermal area in Turkey**  
GENÇ B., BALTACI M. Ö., NADAROĞLU H., ADIGÜZEL A.  
III. International Congress of the Molecular Biology and Association, İzmir, 10 - 12 September 2014
- XXXVIII. **Isolation and identification of thermophilic bacteria from different geothermal areas in Turkey**  
BALTACI M. Ö., GENÇ B., ÇANAKÇI ADIGÜZEL G., Arslan S., SARI B., TARAKÇIOĞLU S., ADIGÜZEL A.  
III. International Congress of the Molecular Biology and Association, İzmir, 10 - 12 September 2014
- XXXIX. **Purification and characterization of thermostable alkaline protease enzyme from *Bacillus licheniformis* A10**  
YILMAZ B., BALTACI M. Ö., YILDIRIM V., ŞİŞECİOĞLU M., ADIGÜZEL A.  
III. International Congress of the Molecular Biology and Association, İzmir, 10 - 12 September 2014



## Supported Projects

- TAŞKIN M., BALTACI M. Ö., ÖZKAN H., HACİMÜFTÜOĞLU A., CEYLAN H., ADIGÜZEL A., ŞİŞMAN T., Project Supported by Higher Education Institutions, NEOANTİJEN TEMELLİ YENİ KANSER AŞILARININ GELİŞTİRİLMESİ, 2024 - Continues
- ÇANAKÇI 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
- URÇAR GELEN S., BALTACI M. Ö., ADIGÜZEL A., ATASEVER M., ÇANAKÇI ADIGÜZEL G., Project Supported by Higher Education Institutions, Farklı Süt Ürünlerinde Bulunan Mayaların Biyokimyasal ve Moleküler Yöntemler ile İdentifikasyonu, 2022 - Continues
- ADIGÜZEL A., ÖZKAN H., BALTACI M. Ö., Project Supported by Higher Education Institutions, Ham Petrol kontaminasyonunun mikrobiyal olarak biyoremediasyonu-2, 2022 - 2024
- Baltacı M. Ö., Adigüzel A., Albayrak Ş., Ömeroğlu M. A., Project Supported by Higher Education Institutions, Atık materyallerden mikrobiyal ekzopolisakkarit üretimi, 2022 - 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., TAŞKIN M., BALTACI M. Ö., ÖZKAN H., Project Supported by Higher Education Institutions, Ham Petrol kontaminasyonunun mikrobiyal olarak biyoremediasyonu, 2019 - 2022
- Tuysuz E., Özkan H., Özkan H., Baltacı M. Ö., Ömeroğlu M. A., Project Supported by Other Official Institutions, I'm Learning With Fun I'm Developing, 2021 - 2021
- Tuysuz E., Baltacı M. Ö., Özkan H., TUBITAK Project, SCIENCE FESTIVAL AT THE TOP, 2021 - 2021
- KARATAŞ E., KIRMIZIBEKMEZ Ö., BALTACI M. Ö., ADIGÜZEL A., Project Supported by Higher Education Institutions, Farklı Kanal İçi Medikamentlerin Bakteriyel Direnç Gelişimi Üzerine Etkisi, 2021 - 2021
- BALTACI M. Ö., ÇANAKÇI ADIGÜZEL G., ALBAYRAK Ş., ADIGÜZEL A., ÖMEROĞLU M. A., Project Supported by Higher Education Institutions, Çiğ tavuk örneklerinde bulunan patojenik bakterilerin Real Time PCR yöntemi ile tespiti, 2020 - 2021
- ADIGÜZEL A., BEYHAN A., FESCİOĞLU S., BALTACI M. Ö., ÖMEROĞLU M. A., Project Supported by Higher Education Institutions, Gereksiz antibiyotik kullanımının zararları, 2019 - 2020
- ÖZKAN H., ADIGÜZEL A., TAŞKIN M., BALTACI M. Ö., TUYSUZ E., Project Supported by Higher Education Institutions, Biyoteknolojik ve endüstriyel öneme sahip organik moleküllerin üretiminde yeni mikrobiyal kaynakların ucuz besiyeri bileşenlerinin ve kimyasal teşvik edicilerin araştırılması, 2019 - 2020
- 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
- KARATAŞ E., ARABACI T., ADIGÜZEL A., ARSLAN H., BALTACI M. Ö., ULUKÖYLÜ E., Project Supported by Higher Education Institutions, Farklı Sıcaklıklarda ki Sodyum Hipokloritin Kök Kanallarından Bakteri Uzaklaştırılması ve Postoperatif Ağrı Üzerine Etkisi; Prospektif, Randomize Kontrollü Klinik Çalışma, 2018 - 2019
- 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., BALTACI M. Ö., Project Supported by Higher Education Institutions, RİZE-AYDER KAPLICASINDAN TERMOFİLİK BAKTERİLERİN İZOLASYONU, MOLEKÜLER İDENTİFİKASYONU VE KSİLANAZ ENZİMİNİN SAFLAŞTIRILMASI, KARAKTERİZASYONU, 2015 - 2018
- ADIGÜZEL A., ÇANAKÇI 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
- ÇANAKÇI 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,

## Patent

Adıgüzel A., Taşkın M., Özkan H., Baltacı M. Ö., DENİZ KİRLİLİĞİNİ GİDEREN BİR BAKTERİYEL KÜLTÜR, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2019/19752 , Standard Registration, 2019

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Bartın University, Turkey, October 2024

BIOLOGICAL TRACE ELEMENT RESEARCH, SCI Journal, August 2024

BMC BIOTECHNOLOGY, SCI Journal, July 2024

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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Bartın University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hacettepe University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Dokuz Eylül University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Manisa Celal Bayar University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Yıldız Technical University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Kirikkale University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ardahan University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Nigde Omer Halisdemir University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Kirikkale University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Canakkale Onsekiz Mart University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, January 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ardahan University, Turkey, January 2024

Project Supported by Higher Education Institutions, BAP Research Project, Yozgat Bozok University, Turkey, December 2023

Project Supported by Higher Education Institutions, BAP Research Project, Yıldız Technical University, Turkey, November 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, February 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Samsun University, Turkey, February 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Manisa Celal Bayar University, Turkey, February 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, February 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, February 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ondokuz Mayıs University, Turkey, February 2023

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SCIENTIFIC REPORTS, SCI Journal, November 2022

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Türk Doğa ve Fen Dergisi, Other Indexed Journal, August 2022

INTERNATIONAL MICROBIOLOGY, SCI Journal, August 2022

Project Supported by Higher Education Institutions, BAP Research Project, Ardahan University, Turkey, November 2021

MICROBIAL CELL FACTORIES, SCI Journal, July 2021

MEDICAL ONCOLOGY, SCI Journal, April 2021

MICROBIAL CELL FACTORIES, SCI Journal, January 2021

MICROBIAL CELL FACTORIES, SCI Journal, November 2020

MICROBIAL CELL FACTORIES, SCI Journal, October 2020

Microbial Cell Factories, SCI Journal, September 2019

MICROBIAL CELL FACTORIES, SCI Journal, April 2018

MICROBIAL CELL FACTORIES, SCI Journal, March 2018

MICROBIAL CELL FACTORIES, SCI Journal, May 2015

## **Scientific Consultations**

Aklab Grup Laboratuvar Medikal Nakliye Kimya infaat Taahhiit San. Ltd.gti", Scientific Consultancy, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey, 2022 - 2022

## **Tasks In Event Organizations**

Adıgüzel A., BALTACI M. Ö., 1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES ATATÜRK UNIVERSITY, ERZURUM, TURKEY, Scientific Congress, Erzurum, Turkey, Eylül 2021

## **Metrics**

Publication: 73  
Citation (WoS): 328  
Citation (Scopus): 387  
H-Index (WoS): 11  
H-Index (Scopus): 11

## **Congress and Symposium Activities**

2nd International Congress on Scientific Advances (ICONSAD'22), Attendee, Bahkesir, Turkey, 2022

Second International Congress on Biological and Health Sciences, Attendee, Afyonkarahisar, Turkey, 2022

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES, Attendee, Erzurum, Turkey, 2021

1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES ATATÜRK

UNIVERSITY, ERZURUM, TURKEY, Audience, Erzurum, Turkey, 2021

7th International Molecular Biology and Biotechnology Congress, Attendee, Erzurum, Turkey, 2018

icanas, Attendee, Turkey, 2017

International Conference on Advances in Natural and Applied Sciences, Attendee, Turkey, 2016

III. International Congress of the Molecular Biology Association, Attendee, Turkey, 2014

## **Awards**

Tuysuz E., Baltacı M. Ö., Özkan H., Taşkın M., Adıgüzel A., Bioconversion of waste sheep wool to microbial peptone by *Bacillus licheniformis* EY2, TÜBİTAK, November 2021

Baltacı M. Ö., Adıgüzel A., Taşkın M., Özkan H., Orak T., Preparation of chitosan from waste shrimp shells fermented with *Paenibacillus jamilae* BAT1, TÜBİTAK, September 2021