

## **Assoc. Prof. PINAR YILMAZ**

### **Personal Information**

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### **International Researcher IDs**

**ORCID:** 0000-0002-0238-1754

**Publons / Web Of Science ResearcherID:** AAF-5406-2019

**Yoksis Researcher ID:** 34408

### **Biography**

I have been working as a research assistant at Division of Plant Diseases and Microbiology, Department of Biology, Faculty of Arts and Sciences, Marmara University since 2011. In 2020, I was appointed as Assistant Professor in the same department. My research interests are moderately halophilic Bacteria, haloversatile Bacteria, extremely halophilic Archaea, antimicrobial agents, electric currents and hide microbiology.

### **Education Information**

**Doctorate,** Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Biology, Turkey 2010 - 2015

**Postgraduate,** Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Biology, Turkey 2007 - 2010

**Undergraduate,** Marmara University, Ataturk Faculty of Education, Mathematics and Science Education, Turkey 2002 - 2007

### **Foreign Languages**

English, B2 Upper Intermediate

### **Certificates, Courses and Trainings**

Foreign Language, E.T.C. English Language Studies, E.T.C. English Language Studies Bournemouth/İngiltere, 2006  
Foreign Language, English Time Language Schools, English Time Language Schools İstanbul/Türkiye, 2005

### **Dissertations**

**Doctorate,** KÜÇÜKBAŞ HAYVAN DERİLERİNDEKİ İLIMLI HALOFİL BAKTERİLERİN KARAKTERİZASYONU, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Biyoloji (Dr), 2015

**Postgraduate,** TUZLANMIŞ DERİLERDEN İLIMLI VE AŞIRI HALOFİL BAKTERİLERİN İZOLASYONU VE MOLEKÜLER

## Research Areas

Microbiology, Bacteriology, Natural Sciences

## Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Biology, 2020 - Continues

Research Assistant, Marmara University, Faculty of Arts and Sciences, Biology, 2011 - Continues

Research Assistant PhD, Marmara University, Faculty of Arts and Sciences, Biology, 2015 - 2020

## Academic and Administrative Experience

Biyolojik Bilimler Kulübü Başkan Yardımcısı, Marmara University, Faculty of Arts and Sciences, Biology, 2018 - Continues

Staj Komisyonu Üyeliği, Marmara University, Faculty of Arts and Sciences, Biology, 2012 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara University, Faculty of Arts and Sciences, Biology, 2018 - 2019

Muayene Komisyonu Üye Yedek, Marmara University, Faculty of Arts and Sciences, Biology, 2013 - 2014

## Courses

Epidemiology, Undergraduate, 2020 - 2021

Mikrobiyal Ekoloji, Postgraduate, 2020 - 2021

Virüs Konukçu İlişkisi, Postgraduate, 2020 - 2021

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

### I. Identification of Slightly Halophilic Bacteria From Salted Sheepskin Samples and Investigation of Their Biotechnological Importance

Yalcin D., Caglayan P., Berber D.

Journal of the Society of Leather Technologists and Chemists, vol.108, no.1, pp.9-22, 2024 (SCI-Expanded)

### II. Negative Effects of Haloversatile Bacteria in Salt on Skins and Their Control with Direct Electric Current in the Leather Industry

Sabah Abdulhusein H., Çağlayan P., Birbir M., Birbir Y.

JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGIES AND CHEMISTS, vol.107, no.1, pp.201-214, 2023 (SCI-Expanded)

### III. Evaluation of Antibacterial Potencies of Eight Lichen Extracts Against Gram-Positive Moderately Halophilic Bacteria

Toksoz O., Turkmenoglu I., Berber D., ÇAĞLAYAN P., BİRİR M., SESAL N. C.

Johnson Matthey Technology Review, vol.67, no.1, pp.85-96, 2023 (SCI-Expanded)

### IV. Efficacy of Antimicrobial Agent Containing Sodium Dimethyldithiocarbamate Against *Halobacterium salinarum*, *Haloarcula salaria* and *Haloarcula tradensis* Causing Red Heat on Salted Sheepskins

ÇAĞLAYAN P., BİRİR M.

JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.106, no.4, pp.165-170, 2022 (SCI-Expanded)

- V. **Antibacterial Properties of Several Lichen Extracts Two Moderately Halophilic Bacteria from Salted Sheepskins**  
Türkmenoğlu I., Toksöz O., Berber D., ÇAĞLAYAN P., BİRİR M., SESAL N. C.  
Journal of the American Leather Chemists Association, vol.117, no.4, pp.153-163, 2022 (SCI-Expanded)
- VI. **Prokaryotic Communities in the Thalassohaline Tuz Lake, Deep Zone, and Kayacik, Kaldirim and Yavsan Salterns (Turkey) Assessed by 16S rRNA Amplicon Sequencing**  
Akpolat C., Beatriz Fernandez A., ÇAĞLAYAN P., ÇALLI B., BİRİR M., Ventosa A.  
MICROORGANISMS, vol.9, no.7, 2021 (SCI-Expanded)
- VII. **Preparation and antimicrobial properties of LL-37 peptide immobilized lignin/caprolactone polymer film**  
OGAN A., Yuce-Dursun B., Abdullah D., Beyler-Cigil A., KAHRAMAN M. V., ÇAĞLAYAN P., BİRİR M., MUTLU Ö., GÜLSOY N.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.31, no.10, pp.2222-2228, 2020 (SCI-Expanded)
- VIII. **The Destructive Effects of Extremely Halophilic Archaeal Strains on Sheepskins, and Proposals for Remedial Curing Processes Use of sterile brine or direct electric current to prevent red heat damage on salted sheepskins**  
Birbir M., Çağlayan P., Birbir Y.  
JOHNSON MATTHEY TECHNOLOGY REVIEW, vol.64, no.4, pp.489-503, 2020 (SCI-Expanded)
- IX. **Antibiotic Susceptibility Patterns of Gram-negative Moderately Halophilic Bacteria Isolated from Salted Skins**  
ÇAĞLAYAN P., BİRİR M., Ventosa A.  
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.104, no.2, pp.67-76, 2020 (SCI-Expanded)
- X. **Enzymatic Reactions and Phylogenetic Analysis of Haloversatile Bacteria Isolated from Çamaltı Saltern Salt Samples used in Leather Industry**  
ÇAĞLAYAN P.  
Journal Of The American Leather Chemists Association, vol.115, pp.450-461, 2019 (SCI-Expanded)
- XI. **Elimination of Antibiotic Resistant Enterobacteriaceae via Combined Application of Direct Electric Current, Alternating Electric Current and 2-Thiocyanomethylthio benzothiazole**  
Birbir M., Yazici E., Çağlayan P., Birbir Y., Goebel R. A.  
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.103, pp.85-90, 2019 (SCI-Expanded)
- XII. **Investigation of Antibiotic-Resistant Enterobacteriaceae Isolated from Soaked Sheepskins and Cattle Hides**  
Birbir M., Yazici E., Çağlayan P.  
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.103, pp.6-13, 2019 (SCI-Expanded)
- XIII. **Screening of Bacteriocin Production from Moderately Halophilic Skin Isolates to Inhibit Moderately Halophilic Bacteria Producing Protease and Lipase**  
Çağlayan P., Birbir M.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.113, pp.385-399, 2018 (SCI-Expanded)
- XIV. **Detection of industrially potential enzymes of moderately halophilic bacteria on salted goat skins**  
Çağlayan P., Birbir M., Sanchez-Porro C., Ventosa A.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.43, pp.312-322, 2018 (SCI-Expanded)
- XV. **Investigation of Moderately Halophilic Bacteria Causing Deterioration of The Salted Sheep and Goat Skins and Their Extermination via Electric Current Applications**  
Çağlayan P., Birbir M., Sanchez Porro C., Ventosa A., Birbir Y.  
Journal Of The American Leather Chemists Association, vol.113, pp.41-52, 2018 (SCI-Expanded)
- XVI. **Investigation of Moderately Halophilic Bacteria Causing Deterioration of The Salted Sheep and Goat Skins and Their Extermination via Electric Current**  
ÇAĞLAYAN P., BİRİR M., Sanchez Porro C., Ventosa A., BİRİR Y.  
Journal Of The American Leather Chemists Association, 2018 (SCI-Expanded)

- XVII. **Screening of Industrially Important Enzymes Produced by Moderately Halophilic Bacteria Isolated from Salted Sheep Skins of Diverse Origin**  
Çağlayan P., Birbir M., Sanchez-Porro C., Ventosa A.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.112, pp.207-216, 2017 (SCI-Expanded)
- XVIII. **Polyhydroxyalkanoate production from moderately halophilic *Bacillus* strains**  
Ogan A., Fetahovic M., Çağlayan P., Birbir M., Çallı B., Bayrakdar A., Danış Ö.  
Febs Journal, vol.284, pp.106, 2017 (SCI-Expanded)
- XIX. **The Effects of Alternating and Direct Electric Currents on Moderately Halophilic Bacteria in Leather Industry**  
Çağlayan P., Birbir M., Ogan A., Ventosa A., Sinchez-Porro C., Birbir Y.  
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.100, pp.307-313, 2016 (SCI-Expanded)
- XX. **ANTIBACTERIAL ACTIVITY OF SOPHOROLIPIDS PRODUCED BY *CANDIDA BOMBICOLA* ON AGAINST GRAM POSITIVE AND GRAM NEGATIVE BACTERIA ISOLATED FROM SALTED HIDES**  
Solaiman D., Ashby R. D., Birbir M., Çağlayan P.  
Journal Of The American Leather Chemists Association, vol.111, no.10, pp.358-364, 2016 (SCI-Expanded)
- XXI. **Examination of Multidrug-resistant Enterobacteriaceae Isolated from Salted Cattle Hides and Sheep Skins**  
Birbir M., Ulusoy K., Çağlayan P.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.111, pp.334-344, 2016 (SCI-Expanded)
- XXII. **Characterization of Moderately Halophilic Bacteria from Salt-Pack-Cured Hides**  
Çağlayan P., Sanchez-Porro C., Ventosa A., Birbir M.  
JOURNAL OF THE SOCIETY OF LEATHER TECHNOLOGISTS AND CHEMISTS, vol.99, pp.250-254, 2015 (SCI-Expanded)
- XXIII. **MOLECULAR IDENTIFICATION OF MODERATELY HALOPHILIC BACTERIA AND EXTREMELY HALOPHILIC ARCHAEA ISOLATED FROM SALTED SHEEP SKINS CONTAINING RED AND YELLOW DISCOLORATIONS**  
Akpolat C., Ventosa A., Birbir M., Sanchez-Porro C., Çağlayan P.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.110, pp.211-220, 2015 (SCI-Expanded)
- XXIV. **Annihilation of Extremely Halophilic Archaea in Hide Preservation Salt Using Alternating Electric Current**  
Birbir Y., Anik S., Birbir M., Çağlayan P.  
Johnson Matthey Technology Review, vol.59, pp.109-119, 2015 (SCI-Expanded)
- XXV. **Extermination of bacteria in hide-brine curing liquors using combined alternating and direct electric current applications plus bronopol**  
Birbir Y., Dolek N., Birbir M., Çağlayan P.  
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.20, pp.10123-10133, 2015 (SCI-Expanded)
- XXVI. **SYNERGISTIC EFFECT OF DIRECT AND ALTERNATING ELECTRIC CURRENT TREATMENTS AND BRONOPOL TO INACTIVATE BACTERIA FOUND IN HIDE SOAK LIQUORS**  
Birbir Y., Dolek N., Birbir M., Caglayan P.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.108, pp.373-385, 2013 (SCI-Expanded)
- XXVII. **AN EXAMINATION OF INACTIVATION EFFICACY OF NaCl AND BORIC ACID ON BACTERIA ISOLATED FROM SALTED HIDES**  
Birbir M., Cicek R., Caglayan P., Aslan E.  
JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.108, pp.171-179, 2013 (SCI-Expanded)
- XXVIII. ***Salimicrobium salexigens* sp nov., a moderately halophilic bacterium from salted hides**  
De La Haba R. R., Yilmaz P., Sanchez-Porro C., Birbir M., Ventosa A.  
SYSTEMATIC AND APPLIED MICROBIOLOGY, vol.34, pp.435-439, 2011 (SCI-Expanded)
- XXIX. ***Thalassobacillus pellis* sp nov., a moderately halophilic, Gram-positive bacterium isolated from salted hides**  
Sanchez-Porro C., Yilmaz P., De La Haba R. R., Birbir M., Ventosa A.

## Articles Published in Other Journals

- I. **A Detailed Study on Halotolerant Bacteria Isolated from Food Salts Collected from Different Countries**  
BİRİR M., Helva Ş., ÇAĞLAYAN P.  
International journal of advances in engineering and pure sciences (Online), vol.34, pp.271-287, 2022 (Peer-Reviewed Journal)
- II. **Characterization of Planococcus dechangensis isolated from a water sample of Çamaltı Saltern**  
ÇAĞLAYAN P.  
SU URUNLERİ DERGİSİ, vol.38, pp.527-531, 2021 (ESCI)
- III. **Determination of important enzymes and antimicrobial resistances of gram-positive haloalkaliphilic bacteria isolated from Salda Lake**  
ÇAĞLAYAN P.  
SU URUNLERİ DERGİSİ, vol.38, pp.375-382, 2021 (ESCI)
- IV. **Aktif İçeriği Sodyum dimetilditiyokarbamat Olan Antimikroiyal Maddenin Antibiyotiklere Dirençli Referans Bakteri Suşlarına Karşı Minimum İnhibitor Konsantrasyonlarının Araştırılması**  
Çağlayan P.  
Marmara Fen Bilimleri Dergisi, vol.4, pp.415-421, 2018 (Peer-Reviewed Journal)
- V. **Minimum Inhibition Concentration of an Antimicrobial Agent Containing Methylisothiazolinone Used in Leather Industry Against Reference Strains**  
Çağlayan P.  
Selcuk University Journal of Science Faculty, vol.44, pp.149-156, 2018 (Peer-Reviewed Journal)
- VI. **Electrochemical Inactivation of Proteolytic and Lipolytic Hide Bacteria**  
Birbir M., Birbir Y., Yılmaz E., Çağlayan P.  
International Journal of Bioscience, Biochemistry and Bioinformatics, vol.6, pp.121-129, 2016 (Peer-Reviewed Journal)
- VII. **Halofillerden elde edilen Proteaz ve lipazların deri sanayinde kullanımı**  
BİRİR M., ÇAĞLAYAN P., OGAN A.  
Tübitak Proje çalışayı, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.131-144, 2016 (Non Peer-Reviewed Journal)
- VIII. **İlimli halofil bakterilerin biyoteknolojik önemleri**  
ÇAĞLAYAN P., BİRİR M., OGAN A.  
Tübitak Proje çalışayı, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.156-172, 2016 (Non Peer-Reviewed Journal)
- IX. **Deniz mikroorganizmalarından elde edilen enzimler**  
OGAN A., ÇAĞLAYAN P., BİRİR M.  
Tübitak Proje çalışayı, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.99-112, 2016 (Non Peer-Reviewed Journal)
- X. **Application of Alternating Electric Current in Leather Industry to Kill Extremely Halophilic Archaea Found in Brine Solutions**  
Birbir Y., Anık S., Birbir M., Çağlayan P.  
Journal of Automation and Control Engineering, vol.3, pp.343-346, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **TOTAL BACTERIAL COUNT OF SEAWATER SAMPLES OF MARMARA SEA**

- BADELİ N., ÇAĞLAYAN P.  
7th INTERNATIONAL CONGRESS ON INNOVATIVE ASPECTS FOR LEATHER INDUSTRY – IAFLI 2023, Turkey, 23 - 24 November 2023
- II. DETERMINATION OF CASEINASE ACTIVITY OF SLIGHTLY HALOPHILIC BACTERIA ISOLATED FROM SALTED SHEEP SKINS  
YALÇIN D., BERBER D., ÇAĞLAYAN P.  
7th INTERNATIONAL CONGRESS ON INNOVATIVE ASPECTS FOR LEATHER INDUSTRY – IAFLI 2023, Turkey, 23 - 24 November 2023
- III. ANTIBIOTIC RESISTANCE PROFILES OF HALOARCULA SALARIA, HALOBACTERIUM SALINARUM AND HALOARCULA TRADENSIS  
ÇAĞLAYAN P., BİRİR M.  
VI. International Congress on Domestic Animal Breeding, Genetics and Husbandry, 03 October 2022
- IV. Moderately Halophilic Bacteria in Soak Liquors in Leather Industry  
BİRİR M., ÇAĞLAYAN P.  
I. International Advances in Molecular Biology Congress, 19 September 2022
- V. 13. Total counts of cellulolytic non-halophilic bacteria, moderately halophilic bacteria and extremely halophilic archaea in the brine and salt samples of Ayvalık saltern in Türkiye  
Saygan E., ÇAĞLAYAN P., Akpolat C., BİRİR M.  
II INTERNATIONAL BIOLOGY CONGRESS, 18 May 2022
- VI. In Vitro Antibacterial Effect of Propolis On Reference Strains  
ÇAĞLAYAN P., BİRİR M., ÖZBAY Ö.  
The 5th International Health Science and Life Congress IHSCLC2022, 10 March 2022
- VII. DETECTION OF TOTAL HALOVERSATILE BACTERIAL COUNTS FOUND ON THE SALTED HIDE SAMPLES IN LEATHER INDUSTRY  
ÇAĞLAYAN P.  
8.International Conference on Multidiciplinary Sciences, 02 March 2022
- VIII. ISOLATION AND CHARACTERIZATION OF MODERATELY HALOPHILIC BACILLUS HAYNESII AND BACILLUS VELEZENSIS FROM SALTED SHEEP SKINS  
BİRİR M., ÇAĞLAYAN P.  
V International Leather Engineering Congress Innovative Aspects for Leather Industry IAFLI2019, 10 - 12 October 2019
- IX. Isolation and 16S rRNA sequence analysis of six environmental haloversatile bacteria from Çamaltı Saltern  
ÇAĞLAYAN P.  
BioEco2019- International Biodiversity Ecology Sciences Symposium, 26 - 28 September 2019
- X. PHENOTYPIC CHARACTERIZATION AND ANTIBIOTIC SUSCEPTIBILITIES OF EWINGELLA AMERICANA AND KLUYVERA INTERMEDIA ISOLATED FROM SOAKED HIDES AND SKINS  
Yazıcı E., BİRİR M., ÇAĞLAYAN P.  
7th International Conference on Advanced Materials and Systems, Bucharest, Romania, 18 - 20 October 2018, pp.371-376
- XI. A REVIEW ON CATABOLIC ACTIVITY OF MICROORGANISMS IN LEATHER INDUSTRY  
BİRİR M., ÇAĞLAYAN P.  
7th International Conference on Advanced Materials and Systems, Bucharest, Romania, 18 - 20 October 2018, pp.301-306
- XII. A SURVEY STUDY TO DETECT PROBLEMS ON SALTED HIDES AND SKINS  
ÇAĞLAYAN P., BİRİR M., Ventosa A.  
7th International Conference on Advanced Materials and Systems, Bucharest, Romania, 18 - 20 October 2018, pp.409-414
- XIII. Phenotypic Characterization and Antibiotic Susceptibilities of Ewingella americana and Kluyvera intermedia Isolated from Soaked Hides and Skins  
Yazıcı E., Birbir M., Çağlayan P.

7. Uluslararası İleri Materyaller ve Sistemler Konferansı (7th International Conference on Advanced Materials and Systems), Bükreş, Romania, 18 - 20 October 2018
- XIV. **Investigation of Bacterial Species Belonging to Enterobactericeae in Lettuce**  
ÇAĞLAYAN P., BİRİR M.  
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- XV. **Examination of Water Samples Taken from Fountains in Kartal (Yakacık) District, İstanbul**  
Gündoğdu Ö., BİRİR M., ÇAĞLAYAN P.  
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- XVI. **The Importance of Protease Enzyme in Leather Industry**  
Öztürk N., Birbir M., Ogan A., Çağlayan P.  
ICABS, Eskişehir, Turkey, 3 - 05 May 2018
- XVII. **Lipase Enzyme Produced from Moderately Halophilic Bacteria in Leather Industry**  
Güçlü B., BİRİR M., OGAN A., ÇAĞLAYAN P.  
ICABS, Eskişehir, Turkey, 3 - 05 May 2018
- XVIII. **Numbers of Slightly Halophilic Bacteria on Goatskins Cured in Different Countries**  
ÇAĞLAYAN P., BİRİR M.  
EurosianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018
- XIX. **Proteolytic slightly halophilic bacterial numbers on salted goatskins belonging to different countries**  
BİRİR M., ÇAĞLAYAN P.  
8th International Istanbul Conference on Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018
- XX. **Investigation of lipolytic slightly halophilic bacteria on salted goatskins**  
ÇAĞLAYAN P., BİRİR M.  
8th International Istanbul Conference on Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018
- XXI. **Microbiological Studies In The Leather Industry**  
ÇAĞLAYAN P., BİRİR M.  
ICAE, Antalya, Turkey, 16 - 18 November 2017
- XXII. **Inactivation of Hide Bacteria Using Antimicrobial Agent in the Soak Liquors of Leather Industry**  
Birbir M., Yılmaz E., Çağlayan P., Ulusoy K.  
ICAE, Antalya, Turkey, 16 - 18 November 2017
- XXIII. **QUINOLONE RESISTANCE OF MODERATELY HALOPHILIC HALOMONAS SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRİR M.  
4th International Leather Engineering Congress, İzmir, Turkey, 19 - 20 October 2017
- XXIV. **LIPASE PRODUCTION OF MODERATELY HALOPHILIC BACTERIAL SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRİR M., OGAN A.  
4th International Leather Engineering Congress, 19 - 20 October 2017
- XXV. **BACTERIOCIN PRODUCTION OF MODERATELY HALOPHILIC BACTERIAL SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRİR M.  
4th International Leather Engineering Congress, İzmir, Turkey, 19 - 20 October 2017
- XXVI. **PROTEASE PRODUCTION OF MODERATELY HALOPHILIC BACTERIAL SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRİR M., OGAN A.  
4th International Leather Engineering Congress, İzmir, Turkey, 19 - 20 October 2017
- XXVII. **Polyhydroxyalkanoate production from moderately halophilic Bacillus strains**  
OGAN A., Fetahovic M., ÇAĞLAYAN P., BİRİR M., ÇALLI B., Bayrakdar A., DANİŞ Ö.  
42nd Febs Congress, 25 September 2018 - 30 September 2017
- XXVIII. **Production and Analysis of Lipase Enzymes of Halophilic Microorganisms in Escherichia coli**

- Touray A., OGAN A., ÇAĞLAYAN P., BİRİR M., TURAN K.  
IVEK, İstanbul, Turkey, 26 - 29 April 2017
- XXIX. **Production and Analysis of Lipase Enzymes of Halophilic Microorganisms in Escherichia coli**  
Touray A., OGAN A., ÇAĞLAYAN P., BİRİR M., TURAN K.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- XXX. **İlmlî Halofil Bakterilerin Biyoteknolojik Önemleri**  
Çağlayan P., Birbir M., Ogan A.  
Türkiye Denizleri Bakterilerinin Biyoteknolojik Kullanımı Proje Çalıştayı TÜBİTAK ÇAYDAG 114Y690, İstanbul, Turkey, 20 October 2016
- XXXI. **Deniz Mikroorganizmalarından Elde Edilen Enzimler**  
OGAN A., ÇAĞLAYAN P., BİRİR M.  
Türkiye Denizleri Bakterilerinin Biyoteknolojik Kullanımı Proje Çalıştayı TÜBİTAK ÇAYDAG 114Y690, İstanbul, Turkey, 20 October 2016
- XXXII. **Halofillerden Elde Edilen Proteaz Ve Lipazların Deri Endüstrisinde Kullanımları**  
BİRİR M., ÇAĞLAYAN P., OGAN A.  
Türkiye Denizleri Bakterilerinin Biyoteknolojik Kullanımı Proje Çalıştayı TÜBİTAK ÇAYDAG 114Y690, İstanbul, Turkey, 20 October 2016
- XXXIII. **ILIMLI HALOFİL BAKTERİLERİN BİYOTEKNOLOJİK ÖNEMLERİ**  
ÇAĞLAYAN P., BİRİR M., OGAN A.  
Türkiye Denizlerinin Biyoteknolojik Kullanımı, İstanbul, Turkey, 20 October 2016
- XXXIV. **Antimicrobial Resistance of Moderately Halophilic Bacillus Isolates Obtained from Salted Sheep Skins**  
BİRİR M., ÇAĞLAYAN P., Sanchez Porro C., Ventosa A.  
11th International Congress on Extremophiles, Kyoto, Japan, 12 - 16 September 2016
- XXXV. **Lethal Effect of Direct Electric Current on Moderately Halophilic Bacillus Isolates Obtained From Salted Sheep skins**  
BİRİR Y., ÇAĞLAYAN P., BİRİR M., Sanchez Porro C., Ventosa A.  
ISE Extromophiles2016, Kyoto, Japan, 12 - 16 September 2016
- XXXVI. **Minimal Inhibitory Concentration of an Antimicrobial Agent Containing benzothiazol 2 ylthio methyl thiocyanate on Moderately Halophilic Isolates from Salted Skins**  
ÇAĞLAYAN P., BİRİR M., Sanchez Porro C., Ventosa A.  
11th International Congress on Extremophiles, Kyoto, Japan, 12 - 16 September 2016
- XXXVII. **Lethal Effect of Direct Electric Current on Moderately Halophilic Bacillus Isolates Obtained from Salted Sheep Skins**  
BİRİR Y., ÇAĞLAYAN P., BİRİR M., Sanchez Porro C., Ventosa A.  
11th International Congress on Extremophiles, Kyoto, Japan, 12 - 16 September 2016
- XXXVIII. **Covalent immobilization of LL 37 onto lignin caprolactone based polymer and investigation of its antimicrobial activities**  
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- XXXIX. **Screening and Characterization of Lipase from Bacillus Species Isolated from Salted Sheep Skins**  
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- XL. **Screening of various moderately Bacillus strains for PHA production**  
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- XLI. **Electric current and antibacterial agent application to inactivate antibiotic resistant Enterobactericeae**  
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- XLIII. **LL 37 Peptidinin Ligin Kaprolakton Polimerine İmmobilizasyonu ve Antimikrobiyal Özelliğinin İncelenmesi**  
FARAH D., OGAN A., YÜCE DURSUN B., BEYLER ÇİĞİL A., KAHRAMAN M. V., MUTLU Ö., GÜLSOY N., ÇAĞLAYAN P., BİRİR M.  
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- XLIV. **S MA057 LL 37 PEPTİDİNİN LİGNİN KAPROLAKTON POLİMERİNE İMMOBİLİZASYONU VE ANTİMİKROBİYAL ÖZELLİĞİNİN İNCELENMESİ**  
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- XLV. **Determination of Total Halotolerant Bacteria Moderately Halophilic Bacteria Extremely Halophilic Archaea on Salted Sheep Skins**  
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- XLVI. **Examination of Protease and Lipase Positive Staphylococcus Species on the Salted Goat Skins**  
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- XLVII. **Antibiotic Susceptibilities of Faecal Indicator Organisms Isolated from Salted Hide and Skin Samples to Amikacin Amoxicillin Clavulanate Piperacillin Tazobactam Imipenem Ceftriaxone and Cefuroxime**  
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- XLVIII. **Controlling Antibiotic resistant moderately halophilic bacteria via direct and alternating electric currents**  
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- LII. **Determination of Proteolytic and Lipolytic Activities of Microorganisms Obtained from Hides**  
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- LIII. **Controlling Antibiotic Resistant Moderately Halophilic Bacteria Via Direct and Alternating Electric Currents**  
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- LIV. **Characterization and Electrochemical Inactivation of Antibiotic Resistant *Acinetobacter johnsonii* Isolated from Salted Sheep Skins**  
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- LV. **Eradication of Antibiotic Resistant Hide Microorganisms Using Combined Alternating and Direct Electric Currents and Antibacterial Agent**  
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- LVI. **Degradative Activities of Antibiotic resistant *Staphylococcus saprophyticus*, *Bacillus pumilus*, *Gracilibacillus dipsosauri*, *Bacillus licheniformis* and *Idiomarina loihiensis***  
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- LVII. **Antibiotic Resistance Of Gram Positive and Gram Negative Bacteria Isolated from Salted Hides and Their Control Using Antibacterial Agent**  
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- LVIII. **Inactivation of Antibiotic resistant Species Belonging to *Staphylococcus*, *Bacillus*, *Gracilibacillus* and *Idiomarina* via Electric Current**  
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- LIX. **Isolation and Identification of *Serratia* Species on Salted Hides and Skins, Their Susceptibilities to Various Antibiotics**  
Ulusoy K., Birbir M., Çağlayan P.  
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- LX. **Isolation and Identification of *Serratia* Species from Salted Hides and Skins and Their Susceptibilities to Penicillins Monobactams Cephalosporins Carbapenems**  
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- LXII. **Extermination of Bacteria Found in Hide Brine Curing Liquors in the Leather Industry Using Combined Alternating And Direct Electric Current Applications and Bronopol**  
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- LXIII. **Annihilation of Bacteria Found in Hide Brine Curing Liquors in the Leather Industry Using Bronopol**  
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- LXV. **Actividad Enzimática y Diversidad de Bacterias y Arqueas en Pieles Tratadas con Sal**  
AKPOLAT C., SANCHEZ PORRO C., ÇAĞLAYAN P., BİRİR M., VENTOSA A.  
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- LXVI. **Determination of Antibacterial effectiveness of 2-bromo-2-nitropropane-1,3-diol Against Mix Population of Bacteria Isolated from the Salt pack Cured Hides**

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- LXIX. **Diversidad de Procariontes en Pieles Tratadas con Sal**  
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- LXX. **Taxonomic Characterization of Extremely Halophilic Microorganisms from the Salt pack Cured Hides**  
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- LXXI. **Characterization of Moderately and Extremely Halophilic Microorganisms from Salt-pack Cured Hides**  
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- LXXII. **New Halophilic Bacteria From Salt-Pack Cured Hides**  
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- LXXIII. **Salimicrobium salexigens sp. nov., una Nueva Bacteria Halófila Moderada Aislada de Pieles Tratadas con SAL**  
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 XXIII Congreso Nacional de Microbiología SEM, Turkey, 11 - 14 July 2011
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 X Reunión De La Red Nacional De Microorganismos Extremófilos (X Meeting of The Spanish Scientific Network on Extremophilic Microorganisms) (REDEX 2010), Santa Ana, El Salvador, 28 - 29 October 2010
- LXXVI. **Isolation and Characterization of a New Moderately Halophilic Thalassobacillus Species with Interest for the Leather Industry**  
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- LXXVII. **Bacillus halodiligens sp nov a Moderately Halophilic Bacterium with Interest for Leather Industry**  
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- LXXVIII. **Thalassobacillus pellis sp nov a Moderately Halophilic Bacterium Isolated from Salted Hides**  
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## Scholarships

NANO-NOCMAT INCOBRA Project, The Horizon H2020 European Program (7-8 Kasım 2018, Madrid/İspanya), European Commission, 2018 - 2018

Erasmus+ Personel Hareketliliği Eğitim Alma (Erasmus+ Staff Mobility for Training Mobility), Polytechnic Institute of Viana do Castelo (15 Mayıs 2017-17 Mayıs 2017), University, 2017 - 2017

Erasmus Staj Hareketliliği Bursu, Sevilla Üniversitesi, Eczacılık Fakültesi, Mikrobiyoloji ve Parazitoloji Bölümü, İspanya, University, 2013 - 2013

Federation of European Microbiological Societies FEMS Young Scientist Meeting Grant (YSMG) , Other International Organizations, 2012 - 2012

Marmara Üniversitesi Erasmus Değişim Programı Öğrencisi, Sevilla Üniversitesi, Eczacılık Fakültesi, Mikrobiyoloji ve Parazitoloji Bölümü, University, 2008 - 2009

Marmara Üniversitesi Socrates Intensive Programme EINSTEIN Europe Innovative Science Teachers' Education by Introducing Nowadays, EHSAL European University College Brussels, University, 2007 - 2007

## Awards

Çağlayan P., Fen Bilimleri Tebliğ Ödülü, M.Ü. Fen Edebiyat Fakültesi Dekanlığı, June 2019