

## Assoc. Prof. PINAR YILMAZ

### Personal Information

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### International Researcher IDs

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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. I became an Associate Professor in 2020. My research interests are moderately halophilic Bacteria, haloversatile Bacteria, extremely halophilic Archaea, antimicrobial agents, environmental microbiology, 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, Atatürk 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 İLİMLİ HALOFİL BAKTERİLERİN KARAKTERİZASYONU, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Biyoloji (Dr), 2015

Postgraduate, TUZLANMIŞ DERİLERDEN İLİMLİ VE AŞIRI HALOFİL BAKTERİLERİN İZOLASYONU VE MOLEKÜLER YÖNTEMLERLE KARAKTERİZASYONU, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Biyoloji (YI) (Tezli), 2010

## 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 Abdülhüsein 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., BİR BİR 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., BİR BİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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 DERGISI, 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., BİRBİR M., Sanchez Porro C., Ventosa A., BİRBİR 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., Daniş 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., Çağlayan 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., Çağlayan 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**

## Articles Published in Other Journals

- I. **A Detailed Study on Halotolerant Bacteria Isolated from Food Salts Collected from Different Countries**  
BİRBİR 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 URUNLERI DERGISI, 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 URUNLERI DERGISI, vol.38, pp.375-382, 2021 (ESCI)
- IV. **Aktif İçeriği Sodyum dimetilditiyokarbamat Olan Antimikrobiyal Maddenin Antibiyotiklere Dirençli Referans Bakteri Suşlarına Karşı Minimum İnhibitör 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**  
BİRBİR M., ÇAĞLAYAN P., OGAN A.  
Tübitak Proje çalıştayı, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.131-144, 2016 (Non Peer-Reviewed Journal)
- VIII. **Ilımlı halofil bakterilerin biyoteknolojik önemleri**  
ÇAĞLAYAN P., BİRBİR M., OGAN A.  
Tübitak Proje çalıştayı, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.156-172, 2016 (Non Peer-Reviewed Journal)
- IX. **Deniz mikroorganizmalarından elde edilen enzimler**  
OGAN A., ÇAĞLAYAN P., BİRBİR M.  
Tübitak Proje çalıştayı, 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., BİRBİR M.  
VI. International Congress on Domestic Animal Breeding, Genetics and Husbandry, 03 October 2022
- IV. **Moderately Halophilic Bacteria in Soak Liquors in Leather Industry**  
BİRBİR 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., BİRBİR M.  
II INTERNATIONAL BIOLOGY CONGRESS, 18 May 2022
- VI. **In Vitro Antibacterial Effect of Propolis On Reference Strains**  
ÇAĞLAYAN P., BİRBİR M., ÖZBAY Ö.  
The 5th International Health Science and Life Congress IHSLC2022, 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 Multidisciplinary Sciences, 02 March 2022
- VIII. **ISOLATION AND CHARACTERIZATION OF MODERATELY HALOPHILIC BACILLUS HAYNESII AND BACILLUS VELEZENSIS FROM SALTED SHEEP SKINS**  
BİRBİR 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., BİRBİR 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**  
BİRBİR 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., BİRBİR 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 Enterobacteriaceae in Lettuce**  
ÇAĞLAYAN P., BİRBİR M.  
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- XV. **Examination of Water Samples Taken from Fountains in Kartal (Yakacik) District, Istanbul**  
Gündoğdu Ö., BİRBİR 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., BİRBİR 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., BİRBİR M.  
EuroasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018
- XIX. **Proteolytic slightly halophilic bacterial numbers on salted goatskins belonging to different countries**  
BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR 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., BİRBİR M., ÇALLI B., Bayrakdar A., DANIŞ 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., BİRBİR 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., BİRBİR M., TURAN K.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- XXX. **İlımlı 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., BİRBİR 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**  
BİRBİR M., ÇAĞLAYAN P., OGAN A.  
Türkiye Denizleri Bakterilerinin Biyoteknolojik Kullanımı Proje Çalıştayı TÜBİTAK ÇAYDAG 114Y690, İstanbul, Turkey, 20 October 2016
- XXXIII. **İLİMLİ HALOFİL BAKTERİLERİN BİYOTEKNOLOJİK ÖNEMLERİ**  
ÇAĞLAYAN P., BİRBİR 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**  
BİRBİR 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**  
BİRBİR Y., ÇAĞLAYAN P., BİRBİR M., Sanchez Porro C., Ventosa A.  
ISE Extromophiles 2016, 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., BİRBİR 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**  
BİRBİR Y., ÇAĞLAYAN P., BİRBİR 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**  
OGAN A., YÜCE DURSUN B., Farah D. A., Ash B. C., ÇAĞLAYAN P., MUTLU Ö., KAHRAMAN M. V., GÜLSOY N., BİRBİR M.  
FEBS, 3 - 08 September 2016
- XXXIX. **Screening and Characterization of Lipase from Bacillus Species Isolated from Salted Sheep Skins**  
Şimşek B. S., ÇAĞLAYAN P., OGAN A., BİRBİR M., YÜCE DURSUN B.  
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- XL. **Screening of various moderately Bacillus strains for PHA production**  
Fetahovic M., ÇAĞLAYAN P., OGAN A., DANIŞ Ö., BİRBİR M.  
46th IUPAC World Polymer Condress MACRO 2016, İstanbul, Turkey, 17 - 21 July 2016
- XLI. **Electric current and antibacterial agent application to inactivate antibiotic resistant Enterobacteriaceae**  
BİRBİR M., Yazıcı E., ÇAĞLAYAN P., BİRBİR Y., Goebel R. A.  
ELECTROSTATICS JOINT CONFERENCE, United States Of America, 13 - 16 June 2016
- XLII. **Electrochemical Inactivation of Proteolytic and Lipolytic Hide Bacteria**



BİRBİR M., BİRBİR Y., Yılmaz E., ÇAĞLAYAN P.

3rd International Conference on Electrical and Electronics Engineering (ICEEE 2016), İstanbul, Turkey, 11 - 12 April 2016

**XLIII. LL 37 Peptidinin Lignin 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., BİRBİR M.

27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015

**XLIV. S MA057 LL 37 PEPTİDİNİN LİGNİN KAPROLAKTON POLİMERİNE İMMOBİLİZASYONU VE ANTİMİKROBİYAL ÖZELLİĞİNİN İNCELENMESİ**

DEKA A. F., OGAN A., BEYLER ÇİĞİL A., KAHRAMAN M. V., MUTLU Ö., YÜCE DURSUN B., GÜLSOY N., ÇAĞLAYAN P., BİRBİR M.

27. Ulusal Kimya Kongresi 23-28 Augustos 2015, Turkey, 23 - 28 August 2015

**XLV. Determination of Total Halotolerant Bacteria Moderately Halophilic Bacteria Extremely Halophilic Archaea on Salted Sheep Skins**

ÇAĞLAYAN P., BİRBİR M., ANTONIO V., CRISTINA S. P.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**XLVI. Examination of Protease and Lipase Positive Staphylococcus Species on the Salted Goat Skins**

ÇAĞLAYAN P., BİRBİR M., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**XLVII. Antibiotic Susceptibilities of Faecal Indicator Organisms Isolated from Salted Hide and Skin Samples to Amikacin Amoxicillin Clavulanate Piperacillin Tazobactam Imipenem Ceftriaxone and Cefuroxime**

BİRBİR M., ULUSOY K., ÇAĞLAYAN P.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**XLVIII. Controlling Antibiotic resistant moderately halophilic bacteria via direct and alternating electric currents**

BİRBİR Y., ÇAĞLAYAN P., BİRBİR M., OGAN A., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, 21 - 22 May 2015

**XLIX. Proteolytic and Lipolytic Microbial Populations on Salted Sheep Skins**

ÇAĞLAYAN P., BİRBİR M., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**L. An Evaluation of Salted Sheep Skins for Bacterial Population pH Salt Saturation Moisture and Ash Contents**

ÇAĞLAYAN P., BİRBİR M., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**LI. Identification of Protease and Lipase Positive Bacteria Isolated from Salted Sheep Skins**

ÇAĞLAYAN P., BİRBİR M., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**LII. Determination of Proteolytic and Lipolytic Activities of Microorganisms Obtained from Hides**

YAZICI E., BİRBİR M., OGAN A., ÇAĞLAYAN P.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

**LIII. Controlling Antibiotic Resistant Moderately Halophilic Bacteria Via Direct and Alternating Electric Currents**

BİRBİR Y., ÇAĞLAYAN P., BİRBİR M., OGAN A., VENTOSA A., SANCHEZ PORRO C.

III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

- LIV. **Characterization and Electrochemical Inactivation of Antibiotic Resistant *Acinetobacter johnsonii* Isolated from Salted Sheep Skins**  
AKPOLAT C., BİRBİR Y., BİRBİR M., VENTOSA A., ÇAĞLAYAN P., SANCHEZ PORRO C.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LV. **Eradication of Antibiotic Resistant Hide Microorganisms Using Combined Alternating and Direct Electric Currents and Antibacterial Agent**  
BİRBİR M., YILMAZ E., BİRBİR Y., ÇAĞLAYAN P.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LVI. **Degradative Activities of Antibiotic resistant *Staphylococcus saprophyticus*, *Bacillus pumilus*, *Gracilibacillus dipsosauri*, *Bacillus licheniformis* and *Idiomarina loihiensis***  
Çağlayan P., Birbir M., Ogan A., Sanchez Porro C., Ventosa A.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LVII. **Antibiotic Resistance Of Gram Positive and Gram Negative Bacteria Isolated from Salted Hides and Their Control Using Antibacterial Agent**  
BİRBİR M., ÇAĞLAYAN P., YILMAZ E.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LVIII. **Inactivation of Antibiotic resistant Species Belonging to *Staphylococcus*, *Bacillus*, *Gracilibacillus* and *Idiomarina* via Electric Current**  
Çağlayan P., Birbir Y., Birbir M., Sanchez Porro C., Ventosa A.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LIX. **Isolation and Identification of *Serratia* Species on Salted Hides and Skins, Their Susceptibilities to Various Antibiotics**  
Ulusoy K., Birbir M., Çağlayan P.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, İstanbul, Turkey, 18 - 21 September 2014
- LX. **Isolation and Identification of *Serratia* Species from Salted Hides and Skins and Their Susceptibilities to Penicillins Monobactams Cephalosporins Carbapenems**  
KUBRA U., BİRBİR M., ÇAĞLAYAN P.  
The 4th International Meeting On Pharmacy & Pharmaceutical Sciences, Turkey, 18 - 21 September 2014
- LXI. **Degradative effects of antibiotic resistant *Staphylococcus Saprophyticus* *Bacillus Pummus* *Gracilibacillus Dipsosari* and *Idiomarina Loihiensis***  
ÇAĞLAYAN P., BİRBİR M., OGAN A., PORRO S., VENTOSA A.  
Fourth International Meeting on Pharmacy and Pharmaceutical Sciences (IMPPS-4), İstanbul, Turkey, 18 - 21 September 2014
- LXII. **Extermination of Bacteria Found in Hide Brine Curing Liquors in the Leather Industry Using Combined Alternating And Direct Electric Current Applications and Bronopol**  
BİRBİR Y., ÇAĞLAYAN P., DÖLEK N., BİRBİR M.  
The 5th International Symposium on Sustainable Development [ISSD 2014], SARAYBOSNA, Bosnia And Herzegovina, 15 - 18 May 2014
- LXIII. **Annihilation of Bacteria Found in Hide Brine Curing Liquors in the Leather Industry Using Bronopol**  
BİRBİR M., ÇAĞLAYAN P., DÖLEK N.  
The 5th International Symposium on Sustainable Development [ISSD 2014], SARAYBOSNA, Bosnia And Herzegovina, 15 - 18 May 2014
- LXIV. **Destruction of Extremely Halophilic Archaea via Alternating Electric Current**  
BİRBİR Y., ANIK S., BİRBİR M., ÇAĞLAYAN P.  
The 5th International Symposium on Sustainable Development [ISSD 2014], SARAYBOSNA, 15 - 18 May 2014
- LXV. **Actividad Enzimática y Diversidad de Bacterias y Arqueas en Pieles Tratadas con Sal**  
AKPOLAT C., SANCHEZ PORRO C., ÇAĞLAYAN P., BİRBİR M., VENTOSA A.  
XXIV Congreso De Microbiología SEM L'Hospitalet, Spain, 10 - 13 July 2013
- 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**

BİR BİR M., ÇAĞLAYAN P., DÖLEK N.

XXXII. CONGRESS OF IULTCS, İstanbul, Turkey, 29 - 31 May 2013

- LXVII. **Examination of Antibacterial Activity of Potassium Dimethyl dithiocabamate Against Mix Population of Bacteria Isolated from the Salt pack Cured Hides**  
BİR BİR M., DÖLEK N., ÇAĞLAYAN P.  
XXXII. CONGRESS OF IULTCS, İstanbul, Turkey, 29 - 31 May 2013
- LXVIII. **Determination of Antibacterial effectiveness of 2-bromo-2-nitropropane-1,3-diol Against Mix Population of Bacteria Isolated from the Salt pack Cured Hides**  
BİR BİR M., ÇAĞLAYAN P., DÖLEK N.  
XXXII. Congress of IULTCS, 29 - 31 May 2013
- LXIX. **Diversidad de Procariotes en Pielas Tratadas con Sal**  
Akpolat C., Sanchez Porro C., Çağlayan P., Birbir M., Ventosa A.  
XI REUNIÓN DE LA RED NACIONAL DE MICROORGANISMOS EXTREMÓFILOS, Granada, Spain, 8 - 10 May 2013
- LXX. **Taxonomic Characterization of Extremely Halophilic Microorganisms from the Salt pack Cured Hides**  
ÇAĞLAYAN P., SANCHEZ PORRO C., VENTOSA A., BİR BİR M.  
9th International Conference on Extremophiles, Sevilla, Spain, 10 - 13 September 2012
- LXXI. **Characterization of Moderately and Extremely Halophilic Microorganisms from Salt-pack Cured Hides**  
ÇAĞLAYAN P., Sanchez Porro C., Ventosa A., BİR BİR M.  
9th International Congress Extremophiles, Sevilla, Spain, 10 - 13 September 2012
- LXXII. **New Halophilic Bacteria From Salt-Pack Cured Hides**  
Ventosa A., ÇAĞLAYAN P., Sanchez Porro C., De La Haba R., BİR BİR M.  
International Union of Microbiological Societies 2011 Congress (IUMS 2011), Meeting of the Three Divisions of International Union of Microbiological Societies 2011, 6 - 10 September 2011
- LXXIII. **Salimicrobium salexigens sp. nov., una Nueva Bacteria Halófila Moderada Aislada de Pielas Tratadas con SAL**  
De La Haba R., ÇAĞLAYAN P., Sanchez Porro C., BİR BİR M., Ventosa A.  
XXIII Congreso Nacional de Microbiología SEM, Turkey, 11 - 14 July 2011
- LXXIV. **Isolation and Characterization of a new Salimicrobium Species from Salted Hides**  
DE LA HABA R., ÇAĞLAYAN P., SANCHEZ PORRO C., BİR BİR M., VENTOSA A.  
Naugural Meeting of Bergey's International Society for Microbial Systematics, Beijing, China, 19 - 23 May 2011
- LXXV. **Salimicrobium salexigens sp. nov., A Moderately Halophilic Bacterium Isolated from Salted Hides**  
De La Haba R., ÇAĞLAYAN P., Sanchez Porro C., BİR BİR M., Ventosa A.  
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**  
De La Haba R., ÇAĞLAYAN P., Sanchez Porro C., BİR BİR M., Ventosa A.  
8th International Congress on Extremophiles, Portugal, 12 - 16 September 2010
- LXXVII. **Bacillus halodiligens sp nov a Moderately Halophilic Bacterium with Interest for Leather Industry**  
DE LA HABA R., ÇAĞLAYAN P., SANCHEZ PORRO C., BİR BİR M., VENTOSA A.  
9th International Conference on Halophilic Microorganisms, Beijing, China, 29 June - 03 July 2010
- LXXVIII. **Thalassobacillus pellis sp nov a Moderately Halophilic Bacterium Isolated from Salted Hides**  
SANCHEZ PORRO C., ÇAĞLAYAN P., DE LA HABA R., BİR BİR M., VENTOSA A.  
9th International Conference on Halophilic Microorganisms, Beijing, China, 29 June - 03 July 2010

## **Metrics**

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H-Index (WoS): 7  
H-Index (Scopus): 6

## **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