

Assoc. Prof. PINAR AĐLAYAN

Personal Information

Office Phone: [+90 216 777 3286](tel:+902167773286)

Email: pinar.caglayan@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/pinar.caglayan>

Address: Marmara Üniversitesi Güztepe Kampüsü Fen Edebiyat Fakültesi Biyoloji Bölümü Kat 2, Oda: GZFC-218/A Kadıköy İstanbul 34722

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, 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, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2015

Postgraduate, TUZLANMIŞ DERİLERDEN İLİMLİ VE AŞIRI HALOFİL BAKTERİLERİN İZOLASYONU VE MOLEKÜLER YÖNTEMLERLE KARAKTERİZASYONU, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2010

Research Areas

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 Üyesi, 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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Prokaryotic Communities in the Thalassohaline Tuz Lake, Deep Zone, and Kayacık, Kaldırım 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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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, 2019 (Journal Indexed in SCI Expanded)
- VI. **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 (Journal Indexed in SCI)

- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI Expanded)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI Expanded)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in

SCI)

- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.61, pp.1206-1210, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **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 (Other Refereed National Journals)
- II. **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 (Refereed Journals of Other Institutions)
- III. **Ilımlı halofil bakterilerin biyoteknolojik önemleri**
ÇAĞLAYAN P., BİRBİR M., OGAN A.
Tübitak Proje çalıştay, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.156-172, 2016 (National Non-Refereed Journal)
- IV. **Deniz mikroorganizmalarından elde edilen enzimler**
OGAN A., ÇAĞLAYAN P., BİRBİR M.
Tübitak Proje çalıştay, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.99-112, 2016 (National Non-Refereed Journal)
- V. **Halofillerden elde edilen Proteaz ve lipazların deri sanayinde kullanımı**
BİRBİR M., ÇAĞLAYAN P., OGAN A.
Tübitak Proje çalıştay, Türkiye Denizlerinin Biyoteknolojik kullanımı, pp.131-144, 2016 (National Non-Refereed 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 (Refereed Journals of Other Institutions)
- VII. **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 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **ISOLATION AND CHARACTERIZATION OF MODERATELY HALOPHILIC BACILLUS HAYNESII AND BACILLUS VELEZENSIS FROM SALTED SHEEP SKINS**
BİR BİR M., ÇAĞLAYAN P.
V International Leather Engineering Congress Innovative Aspects for Leather Industry IAFLI2019, 10 - 12 October 2019
- II. **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
- III. **A SURVEY STUDY TO DETECT PROBLEMS ON SALTED HIDES AND SKINS**
ÇAĞLAYAN P., BİR BİR M., Ventosa A.
7th International Conference on Advanced Materials and Systems, Bucharest, Romania, 18 - 20 October 2018, pp.409-414
- IV. **A REVIEW ON CATABOLIC ACTIVITY OF MICROORGANISMS IN LEATHER INDUSTRY**
BİR BİR M., ÇAĞLAYAN P.
7th International Conference on Advanced Materials and Systems, Bucharest, Romania, 18 - 20 October 2018, pp.301-306
- V. **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
- VI. **Examination of Water Samples Taken from Fountains in Kartal (Yakacık) District, Istanbul**
Gündoğdu Ö., BİR BİR M., ÇAĞLAYAN P.
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- VII. **Investigation of Bacterial Species Belonging to Enterobacteriaceae in Lettuce**
ÇAĞLAYAN P., BİR BİR M.
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- VIII. **The Importance of Protease Enzyme in Leather Industry**
Öztürk N., Birbir M., Ogan A., Çağlayan P.
ICABS, Eskişehir, Turkey, 3 - 05 May 2018
- IX. **Lipase Enzyme Produced from Moderately Halophilic Bacteria in Leather Industry**
Güçlü B., BİR BİR M., OGAN A., ÇAĞLAYAN P.
ICABS, Eskişehir, Turkey, 3 - 05 May 2018
- X. **Numbers of Slightly Halophilic Bacteria on Goatskins Cured in Different Countries**
ÇAĞLAYAN P., BİR BİR M.
EuroasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018
- XI. **Proteolytic slightly halophilic bacterial numbers on salted goatskins belonging to different countries**
BİR BİR M., ÇAĞLAYAN P.

8th International Istanbul Conference on Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018

XII. 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

XIII. 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

XIV. Microbiological Studies In The Leather Industry

ÇAĞLAYAN P., BİRBİR M.

ICAE, Antalya, Turkey, 16 - 18 November 2017

XV. 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

XVI. 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

XVII. 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

XVIII. 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

XIX. 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

XX. 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

XXI. 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

XXII. 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

XXIII. İhlımlı 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

XXIV. 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

XXV. Lethal Effect of Direct Electric Current on Moderately Halophilic Bacillus Isolates Obtained From

Salted Sheep skins

BİRBER Y., ÇAĞLAYAN P., BİRBER M., Sanchez Porro C., Ventosa A.

ISE Extremophiles 2016, Kyoto, Japan, 12 - 16 September 2016

- XXVI. **Minimal Inhibitory Concentration of an Antimicrobial Agent Containing benzothiazol 2 ylthio methyl thiocyanate on Moderately Halophilic Isolates from Salted Skins**
ÇAĞLAYAN P., BİRBER M., Sanchez Porro C., Ventosa A.
11th International Congress on Extremophiles, Kyoto, Japan, 12 - 16 September 2016
- XXVII. **Antimicrobial Resistance of Moderately Halophilic Bacillus Isolates Obtained from Salted Sheep Skins**
BİRBER M., ÇAĞLAYAN P., Sanchez Porro C., Ventosa A.
11th International Congress on Extremophiles, Kyoto, Japan, 12 - 16 September 2016
- XXVIII. **Covalent immobilization of LL 37 onto lignin caprolactone based polymer and investigation of its antimicrobial activities**
OGAN A., YÜCE DURSUN B., Farah D. A. , Aslı B. C. , ÇAĞLAYAN P., MUTLU Ö., KAHRAMAN M. V. , GÜLSOY N., BİRBER M.
FEBS, 3 - 08 September 2016
- XXIX. **Screening and Characterization of Lipase from Bacillus Species Isolated from Salted Sheep Skins**
Şimşek B. S. , ÇAĞLAYAN P., OGAN A., BİRBER M., YÜCE DURSUN B.
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- XXX. **Screening of various moderately Bacillus strains for PHA production**
Fetahovic M., ÇAĞLAYAN P., OGAN A., DANIŞ Ö., BİRBER M.
46th IUPAC World Polymer Condress MACRO 2016, İstanbul, Turkey, 17 - 21 July 2016
- XXXI. **Electric current and antibacterial agent application to inactivate antibiotic resistant Enterobacteriaceae**
BİRBER M., Yazıcı E., ÇAĞLAYAN P., BİRBER Y., Goebel R. A.
ELECTROSTATICS JOINT CONFERENCE, United States Of America, 13 - 16 June 2016
- XXXII. **Electrochemical Inactivation of Proteolytic and Lipolytic Hide Bacteria**
BİRBER M., BİRBER Y., Yılmaz E., ÇAĞLAYAN P.
3rd International Conference on Electrical and Electronics Engineering (ICEEE 2016), İstanbul, Turkey, 11 - 12 April 2016
- XXXIII. **LL 37 peptidinin lignin kaprolakton polimerine immobilizasyonu ve antimikrobiyal özelliğinin incelenmesi**
ABDULLAHİ FARAH D., OGAN A., YÜCE DURSUN B., BEYLER ÇIĞİL A., KAHRAMAN M. V. , ÇAĞLAYAN P., BİRBER M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.560
- XXXIV. **LL 37 Peptidinin Lignin Kaprolakton Polimerine İmmobilizasyonu ve Antimikrobiyal Özelliğinin İncelenmesi**
FARAH D., OGAN A., YÜCE DURSUN B., BEYLER ÇIĞİL A., KAHRAMAN M. V. , MUTLU Ö., GÜLSOY N., ÇAĞLAYAN P., BİRBER M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XXXV. **Determination of Total Halotolerant Bacteria Moderately Halophilic Bacteria Extremely Halophilic Archaea on Salted Sheep Skins**
ÇAĞLAYAN P., BİRBER M., ANTONIO V., CRISTINA S. P.
III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015
- XXXVI. **Determination of Proteolytic and Lipolytic Activities of Microorganisms Obtained from Hides**
YAZICI E., BİRBER M., OGAN A., ÇAĞLAYAN P.
III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015
- XXXVII. **Identification of Protease and Lipase Positive Bacteria Isolated from Salted Sheep Skins**
ÇAĞLAYAN P., BİRBER M., VENTOSA A., SANCHEZ PORRO C.
III. International Leather Engineering Congress, Innovative Aspects for Leather Industry, İzmir, Turkey, 21 - 22 May 2015

- XXXVIII. **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
- XXXIX. **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
- XL. **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
- XLI. **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
- XLII. **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
- XLIII. **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
- XLIV. **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
- XLV. **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
- XLVI. **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
- XLVII. **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.
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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

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