

# Prof. ÖZGE CAN

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: G-9355-2015

Yoksis Researcher ID: 50560

## Education Information

Doctorate, Cleveland State University, Chemical And Biomedical Engineering, United States Of America 2004 - 2008

Postgraduate, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences, Kimya Mühendisliği (YI) (Tezli) (İngilizce), Turkey 2001 - 2004

Undergraduate, Ege University, Faculty Of Engineering, Kimya Mühendisliği Bölümü, Turkey 1994 - 2001

## Dissertations

Doctorate, Novel Antifreeze Protein Constructs for Improved Activity, Cleveland State University, Chemical And Biomedical Engineering, 2008

Postgraduate, Ion exchange in natural zeolite packed column, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli) (İngilizce), 2004

## Research Areas

Health Sciences, Biochemistry, Biomedical Engineering, Chemical Engineering and Technology, Biochemistry, Biotechnology, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2021 - Continues

Associate Professor, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2016 - 2021

Assistant Professor, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2014 - 2016

Assistant Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2010 - 2014

Expert, University of Delaware, Faculty Of Engineering, Chemical Engineering, 2009 - 2010

Research Assistant, Cleveland State University, Faculty Of Engineering, Chemical Engineering, 2004 - 2008

Research Assistant, Izmir Institute Of Technology, Faculty Of Engineering, Department Of Chemistry Engineering (English), 2001 - 2004

## Academic and Administrative Experience

Member of the Senate, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2022 - Continues  
Bölüm Kalite Komisyonu Başkanı, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2021 - Continues  
Head of Department, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues  
Deputy Director of the Center, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2019 - Continues  
BAP Scientific Commissioner, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2019 - Continues  
Head of Department, 2017 - Continues  
Acibadem Mehmet Ali Aydinlar University, 2015 - 2021  
Acibadem Mehmet Ali Aydinlar University, 2013 - 2014  
European Proteomics Association, 2011 - 2014

## Courses

Thesis, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Biological Sciences for Engineering, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Tez, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Clinical Innovation and Biodesign, Undergraduate, 2023 - 2024, 2022 - 2023  
Principles of Medical Biotechnology, Postgraduate, 2022 - 2023, 2021 - 2022  
Current Topics in Medical Biotechnology, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2017 - 2018  
Clinical Internship, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017  
Protein Purification and Enzyme Kinetics, Postgraduate, 2017 - 2018  
Advanced Protein Purification and Enzyme Kinetics, Doctorate, 2017 - 2018  
Protein purification and enzyme kinetics, Postgraduate, 2016 - 2017  
Advanced protein purification and enzyme kinetics, Doctorate, 2016 - 2017  
Temel Biyokimya, Postgraduate, 2013 - 2014, 2012 - 2013  
İLERİ BİYOKİMYASAL TEKNİKLER, Doctorate, 2013 - 2014, 2012 - 2013  
BİOCHEMİSTRY, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
BİYOKİMYA, Undergraduate, 2013 - 2014, 2011 - 2012  
Laboratuvar Güvenliği, Postgraduate, 2013 - 2014  
Biyokimya, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Temel Proteomik Teknikler, Doctorate, 2013 - 2014  
TEMEL BİYOKİMYASAL TEKNİKLER, Postgraduate, 2013 - 2014, 2012 - 2013  
Enzim Safılaştırma ve Kinetik, Doctorate, 2013 - 2014  
Genel Biyokimya, Undergraduate, 2012 - 2013  
Biyokimya, Postgraduate, 2011 - 2012  
LABORATUVAR MATEMATİĞİ VE İSTATİSTİK, Associate Degree, 2010 - 2011  
MESLEKİ İNGİLİZCE, Associate Degree, 2010 - 2011  
Genel Biyokimya, Associate Degree, 2010 - 2011

## Advising Theses

Can Ö., Measurement of Hereditary DNA Damage Repair Deficiency in Brain Tumor Patients, Doctorate, B.Baş(Student),

Continues

Can Ö., Development of Protein Mimicking Functional Peptides, Doctorate, B.Zehra(Student), Continues

Can Ö., Development of room temperature isothermal nucleic acid amplification method, Doctorate, E.Aybakan(Student), Continues

Can Ö., Investigation of the effect of downstream processes on critical quality attributes of a pharmaceutical monoclonal antibody, Doctorate, İ.Ece(Student), Continues

Can Ö., Gök Ö., Increasing the Stability of Antimicrobial Peptides Inspired by Nature by Binding them to Biocompatible Polymers, Postgraduate, S.Şahsuvar(Student), 2023

Can Ö., SYNTHESIS OF NEUROPEPTIDE Y AND DEVELOPMENT OF AN ANTI-NPY MONOCLONAL ANTIBODY FOR PRECLINICAL TREATMENT OF PANCREATIC CANCER, Postgraduate, N.Çam(Student), 2023

Can Ö., Comparison of transfection methods for a novel receptor-binding domain (RBD) production using HEK293 cell line., Postgraduate, E.Gürel(Student), 2023

Can Ö., Beyin tümörlerinde metabolik değerlendirme, Doctorate, C.Akın(Student), 2023

Can Ö., Long-term stability and forced degradation studies of a therapeutic monoclonal antibody, Doctorate, M.ÇELİK(Student), 2023

Gök Özatay Ö., Can Ö., Stability enhancement of a novel antimicrobial peptide with the combination of drug delivery systems, Postgraduate, S.ŞAHSUVAR(Student), 2023

Can Ö., Downstream Process Development Platform for Biosimilar Monoclonal Antibody Drug Molecule, Postgraduate, D.Baş(Student), 2020

Can Ö., Development of high throughput methods for high capacity expression and purification of novel antimicrobial peptides to be used in medicine, Postgraduate, G.BOSKAN(Student), 2020

Can Ö., Photodynamic Therapy Activities of Phthalocyanines on Cancer, Postgraduate, Ş.İŞİK(Student), 2020

Can Ö., Therapeutic Monoclonal Antibody (IgG) Binding Properties With TNF- $\alpha$  and Fc $\gamma$  Receptor Under Stress Conditions, Postgraduate, G.GÜVEN(Student), 2019

Can Ö., EXPERIMENTAL SYSTEM DESIGN AND MODELLING OF EGFR EXTRACELLULAR DOMAIN AND ITS MUTANT BINDING TO ANTIBODY INTERACTING PARTNER, Postgraduate, F.ERDEMİR(Student), 2019

Can Ö., Meningiom ve glioma olgularında D vitamini düzeylerinin araştırılması, Postgraduate, Z.ZÜLFİYE(Student), 2014

## Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Acıbadem Mehmet Ali Aydınlar Üniversitesi, December, 2022

Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

Associate Professor Exam, Associate Professor Exam, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

Associate Professor Exam, Associate Professor Exam, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

Associate Professor Exam, Associate Professor Exam, Acıbadem Mehmet Ali Aydınlar Üniversitesi, September, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, March, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, March, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, March, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, March, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, March, 2022  
Doctoral Examination, Doctoral Examination, Acibadem Mehmet Ali Aydınlar Üniversitesi, February, 2022  
Doctoral Examination, Doctoral Examination, Acibadem Mehmet Ali Aydınlar Üniversitesi, February, 2022  
Associate Professor Exam, Associate Professor Exam, Acibadem Mehmet Ali Aydınlar Üniversitesi, January, 2022

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

- I. **Peptosome: A New Efficient Transfection Tool as an Alternative to Liposome**  
Manteghi M., CAN Ö., KOCAGÖZ Z. T.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.25, no.13, 2024 (SCI-Expanded)
- II. **Susceptibility-Weighted MRI for Predicting NF-2 Mutations and S100 Protein Expression in Meningiomas**  
Azamat S., Buz-Yalug B., Dindar S. S., Yilmaz Tan K., Ozcan A., CAN Ö., ERŞEN DANYELİ A., Pamir M. N., DİNÇER A., ÖZDUMAN K., et al.  
DIAGNOSTICS, vol.14, no.7, 2024 (SCI-Expanded)
- III. **Development and pharmaceutical investigation of novel cervical cancer-targeting and redox-responsive melittin conjugates**  
Sahsuvar S., Guner R., GÖK Ö., CAN Ö.  
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- IV. **In vitro efficacy of different PEGylation designs on cathelicidin-like peptide with high antibacterial and antifungal activity**  
Sahsuvar S., KOCAGÖZ Z. T., GÖK Ö., CAN Ö.  
SCIENTIFIC REPORTS, no.1, 2023 (SCI-Expanded)
- V. **A Novel Peptide-Based Detection of SARS-CoV-2 Antibodies**  
Bulut A., Temur B. Z., Kirimli C. E., Gok Ö., Balcioglu B. K., Ozturk H. U., Uyar N., Kanlidere Z., Kocagoz T., Can Ö.  
BIOMIMETICS, vol.8, no.1, 2023 (SCI-Expanded)
- VI. **Comparison of a novel antigen detection test with reverse transcription polymerase chain reaction assay for laboratory diagnosis of SARS-CoV-2 infection**  
Cirit O. S., MUTLU E., SANCAK B., KOCAGÖZ Z. T., CAN Ö., Cicek C., SAYINER A. A., APPAK Ö., YURTTUTAN UYAR N., Kulah C., et al.  
INFECTIO, vol.51, no.1, pp.91-96, 2023 (SCI-Expanded)
- VII. **Melatonin in preservation solutions prevents ischemic injury in rat kidneys**  
Coskun A., Yegen Ş. C., Arbak S., Can Ö.  
PLOS ONE, vol.17, no.8, pp.1-19, 2022 (SCI-Expanded)
- VIII. **Simple concentration method enables the use of gargle and mouthwash instead of nasopharyngeal swab sampling for the diagnosis of COVID-19 by PCR**  
KOCAGÖZ Z. T., CAN Ö., YURTTUTAN UYAR N., Aksoy E., Polat T., Cankaya D., Karakus B., MOZİOĞLU E., KOCAGÖZ A. S.  
EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES, vol.40, no.12, pp.2617-2622, 2021 (SCI-Expanded)
- IX. **Sequential filtering for clinically relevant variants as a method for clinical interpretation of whole exome sequencing findings in glioma**  
Ülgen E., Can Ö., Bilguvar K., Akyerli Boylu C., Kılıçturgay Yüksel Ş., Erşen Danyeli A., Sezerman O. U., Yakıcıer M. C., Pamir M. N., Özduman K.  
BMC MEDICAL GENOMICS, vol.14, no.1, 2021 (SCI-Expanded)

- X. **Glycoengineering of Mammalian Expression Systems on a Cellular Level**  
Heffner K. M., Wang Q., Hizal D., Can Ö., Betenbaugh M. J.  
ADVANCES IN GLYCOBIOTECHNOLOGY, pp.37-69, 2021 (SCI-Expanded)
- XI. **Mutations and Copy Number Alterations in IDH Wild-Type Glioblastomas Are Shaped by Different Oncogenic Mechanisms**  
Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., OKTAY Y., B. Akyerli C., K. Yuksel S., ERŞEN DANYELİ A., Tihan T., et al.  
BIOMEDICINES, vol.8, no.12, 2020 (SCI-Expanded)
- XII. **Mutations and copy number alterations in diffuse gliomas are shaped by different mechanisms**  
ÖZDUMAN K., Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., Akyerli C., Yuksel S., ERŞEN DANYELİ A., Tihan T., et al.  
European Journal of Cancer, vol.138, 2020 (SCI-Expanded)
- XIII. **Whole exome sequencing-based analysis to identify DNA damage repair deficiency as a major contributor to gliomagenesis in adult diffuse gliomas**  
Ulgen E., CAN Ö., Bilguvar K., OKTAY Y., AKYERLİ BOYLU C., Danyeli A., Yakicier M. C., Sezerman O. U., Pamir M. N., Ozduman K.  
JOURNAL OF NEUROSURGERY, vol.132, no.5, pp.1435-1446, 2020 (SCI-Expanded)
- XIV. **Meningiomas Display a Specific Immunoexpression Pattern in a Rostrocaudal Gradient: An Analysis of 366 Patients**  
Ulgen E., Bektasoglu P. K., Sav M. A., CAN Ö., ERŞEN DANYELİ A., Hizal D. B., Pamir M. N., ÖZDUMAN K.  
WORLD NEUROSURGERY, vol.123, 2019 (SCI-Expanded)
- XV. **Use of telomerase promoter mutations to mark specific molecular subsets with reciprocal clinical behavior in IDH mutant and IDH wild-type diffuse gliomas**  
AKYERLİ BOYLU C., Yuksel S., CAN Ö., Erson-Omay E. Z., OKTAY Y., Cosgun E., Ulgen E., Erdemgil Y., Sav A., von Deimling A., et al.  
JOURNAL OF NEUROSURGERY, vol.128, no.4, pp.1102-1114, 2018 (SCI-Expanded)
- XVI. **Lessons from the Hamster: Cricetulus griseus Tissue and CHO Cell Line Proteome Comparison.**  
Heffner K. M., Hizal D., Yerganian G. S., Kumar A., CAN Ö., O'Meally R., Cole R., Chaerkady R., Wu H., Bowen M. A., et al.  
Journal of proteome research, vol.16, no.10, pp.3672-3687, 2017 (SCI-Expanded)
- XVII. **Cigarette Smoking Increases Pregnancy-associated Plasma Protein-A in Men**  
COSKUN A., Bulut I., SERTESER M., Eren A., OZSEKER Z. F., ÇUHADAROĞLU Ç., AKSUNGAR F., ÖZPINAR A., CAN Ö., Yakar H., et al.  
WEST INDIAN MEDICAL JOURNAL, vol.66, no.1, pp.150-153, 2017 (SCI-Expanded)
- XVIII. **Perchlorate Exposure Through Water and Milk in Istanbul**  
CAN Ö., Blount B., Valentin-Blasini L., Erdemgil Y., Uzunoglu D., Aksoy M., COŞKUN A., SERTESER M., Unsal I., ÖZPINAR A.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.97, no.3, pp.439-445, 2016 (SCI-Expanded)
- XIX. **Systems Glycobiology: Integrating Glycogenomics, Glycoproteomics, Glycomics, and Other 'Omics Data Sets to Characterize Cellular Glycosylation Processes.**  
Bennun S. V., Hizal D., Heffner K., CAN Ö., Zhang H., Betenbaugh M. J.  
Journal of molecular biology, vol.428, no.16, pp.3337-3352, 2016 (SCI-Expanded)
- XX. **IDH-mutant glioma specific association of rs55705857 located at 8q24.21 involves MYC deregulation**  
OKTAY Y., Ulgen E., CAN Ö., AKYERLİ BOYLU C., Yuksel S., Erdemgil Y., Durasi I. M., Henegariu O. I., Nanni E. P., Selevsek N., et al.  
SCIENTIFIC REPORTS, vol.6, 2016 (SCI-Expanded)
- XXI. **Perchlorate levels found in tap water collected from several cities in Turkey**  
Erdemgil Y., Gozet T., CAN Ö., Unsal I., ÖZPINAR A.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.188, no.3, 2016 (SCI-Expanded)
- XXII. **Post-translational modifications of transthyretin affect the triodonine-binding potential**

- Henze A., Homann T., SERTESER M., CAN Ö., Sezgin O., COŞKUN A., Unsal I., Schweigert F. J., ÖZPINAR A.  
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, vol.19, no.2, pp.359-370, 2015 (SCI-Expanded)
- XXIII. **Gliomların Moleküler Patogenezi**  
AKYERLİ BOYLU C., OKTAY Y., CAN Ö., YAKICIER M. C., ÖZDUMAN K.  
Urologic Clinics Of North America, vol.2, no.3, pp.23-27, 2014 (SCI-Expanded)
- XXIV. **Iodine Status in Turkish Populations and Exposure to Iodide Uptake Inhibitors**  
ÖZPINAR A., Kelestimur F., Songur Y., CAN Ö., Valentin L., Caldwell K., Arikan E., Unsal I., SERTESER M., Inal T., et al.  
PLOS ONE, vol.9, no.2, 2014 (SCI-Expanded)
- XXV. **Quantification of fibrin degradation products in glioma and meningioma patients**  
CAN Ö., Erdemgil Y., Yildirim Z. Z., ÖZDUMAN K., Pamir M. N., Sav A., ÖZPINAR A.  
CANCER BIOMARKERS, vol.14, no.4, pp.253-258, 2014 (SCI-Expanded)
- XXVI. **Reference interval of pregnancy-associated plasma protein-A in healthy men and non-pregnant women**  
COSKUN A., SERTESER M., Duran S., Inal T. C., Erdogan B. E., ÖZPINAR A., CAN Ö., Unsal I.  
JOURNAL OF CARDIOLOGY, vol.61, no.1-2, pp.128-131, 2013 (SCI-Expanded)
- XXVII. **Conjugation of Type I Antifreeze Protein to Polyallylamine Increases Thermal Hysteresis Activity**  
Can O., Holland N. B.  
BIOCONJUGATE CHEMISTRY, vol.22, no.10, pp.2166-2171, 2011 (SCI-Expanded)
- XXVIII. **Batch and column studies on heavy metal removal using a local zeolitic tuff**  
Can Ö., Balkose D., Ulku S.  
DESALINATION, vol.259, pp.17-21, 2010 (SCI-Expanded)
- XXIX. **CHED 323-Thermal hysteresis activities of novel antifreeze protein constructs**  
Malik H., Ghoorchian A., Can Ö., Holland N. B.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.238, 2009 (SCI-Expanded)
- XXX. **Modified Langmuir isotherm for a two-domain adsorbate: Derivation and application to antifreeze proteins**  
Can Ö., Holland N. B.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.329, no.1, pp.24-30, 2009 (SCI-Expanded)
- XXXI. **COMP 207-Probing the origin of the hyperactivity of the two-domain type III antifreeze protein RD3**  
Holland N. B., Can Ö., Tsuda S., Soennichsen F. D.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.234, 2007 (SCI-Expanded)
- XXXII. **COMP 304-Interactions of antifreeze proteins with ice crystals and cell membranes**  
Can Ö., Essampally S., Holland N. B.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.234, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Membrane Protein Expression in *Saccharomyces cerevisiae***  
Britton Z., Young C., CAN Ö., McNeely P., Naranjo A., Robinson A. S.  
PRODUCTION OF MEMBRANE PROTEINS: STRATEGIES FOR EXPRESSION AND ISOLATION, pp.37-73, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Biomedical Special Topics: Nanobiotechnology**  
Can Ö.  
in: Nanomedicine: Biopharmaceuticals, Ata Akin, Editor, Türkiye Klinikleri, Ankara, pp.37-46, 2021
- II. **Glycoengineering of Mammalian Expression Systems on a Cellular Level**  
Can Ö.

in: *Advances in Biochemical Engineering/Biotechnology*, x, Editor, Springer, London/Berlin , Heidelberg, pp.1-33, 2018

III. **Kolay Biyokimya: Sağlık Bilimleri İçin Temel Rehber**

Can Ö., Coskun A., Batrel S., Özpınar A. (Editor)

İstanbul Medikal Yayıncılık, İstanbul, 2012

IV. **Membrane Protein Expression in *Saccharomyces Cerevisiae***

Can Ö.

in: *Production of Membrane Proteins: Strategies for Expression and Isolation*, Anne Skaja Robinson, Editor, Wiley-VCH Verlag Weinheim GmbH , Singapore, pp.37-74, 2011

V. **Copper ion exchange studies of local zeolitic tuffs**

Can Ö.

in: *New Membranes and Advanced Materials for Wastewater Treatment*, Anja Mueller, Benoit Guieysse, Abhijit Sarkar, Editor, American Chemical Society see ACS Publications, Washington, pp.95-112, 2009

## Refereed Congress / Symposium Publications in Proceedings

I. **Effects of newly developed antimicrobial peptides on bacteria**

Arbak S., Açıkel Elmas M., Can Ö., Süyen G., Kocagöz Z. T., Ünübol N.

FOCUS ON MICROSCOPY 2023, Porto, Portugal, 2 - 05 April 2023, pp.46

II. **HYBRID LEISHMANIA STRAINS AND CLINICAL LEISHMANIASIS: A KALA-AZAR CASE FROM TURKEY.**

KURT Ö., ÖKTEM OKULLU S., Kaya D. E., Mansur Özen N., Aydın E. M., CAN Ö., İNCE Ü., SEZERMAN O. U., YILDIZ ZEYREK F.

ICOPA 22 World federation of parasitologist, COPENHAGEN, Denmark, 21 - 26 August 2022

III. **INCREASING THE STABILITY OF ANTI-MICROBIAL PEPTIDES WITH DIFFERENT PEGYLATION DESIGNS AND ITS EFFECT ON IN VITRO EVALUATION**

GÖK Ö., CAN Ö., şahsuvar s.

European Polymer Federation (EPF) 2022, Prag, Czech Republic, 26 June - 01 July 2022

IV. **Anti-mikrobiyal Peptidlerin PEGilasyon ile Stabilitelerinin Arttırılması ve in vitro Değerlendirilmeleri**

GÖK Ö., şahsuvar s., can ö.

BIOMED 2021 -TR, Ankara, Turkey, 18 - 19 December 2021

V. **Comparison of a Novel Antigen Detection Test with Reverse Transcription Polymerase Chain Reaction (RT-PCR) Assay for Laboratory Diagnosis of SARS CoV 2 Infection**

Can Ö.

ECCMID, 9 - 12 July 2021, pp.345-347

VI. **Gargle and Mouthwash Can Replace Nasopharyngeal Swab Sampling When Concentrated with a New Method for the Diagnosis of COVID 19.**

Can Ö.

31st ECCMID, Berlin, Germany, 09 July 2021, pp.347-348

VII. **Correlations of Single Voxel 1H-MRS Findings with Tumor Biology in Meningiomas.**

Saçlı-Bilmez B., Erşen Danyeli A., Ekşi M. Ş., Kübra T., Can Ö., Yakıcıer C., Pamir M. N., Dinçer A., Öztürk Işık E., Özduman K.

ISMRM, Vancouver, Canada, 15 - 20 May 2021, pp.1-2

VIII. **Mutations and copy number alterations in diffuse gliomas are shaped by different mechanisms**

ÖZDUMAN K., Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., Akyerli C., Yuksel Ş., Ersen-Danyeli A., Tihan T., et al.

32nd EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics, ELECTR NETWORK, 24 - 25 October 2020

IX. **Terapötik Monoklonal Antikorun Stres Koşulları Altında Bağlanma Özelliklerinin İncelenmesi**

Atik A. E., Demirhan D., Can Ö., Alpan R. S.

3. Ulusal Proteomik Konferansı (TUPA), İstanbul, Turkey, 27 - 29 February 2020, pp.42

- X. **Chromatin Modifier Alterations Are Very Common But Mostly Random in Diffuse Gliomas**  
Özduman K., Can Ö., Erşen Danyeli A., Akyerli Boylu C., Pamir M. N.  
AANS, California, United States Of America, 13 - 17 April 2019, pp.1
- XI. **Analysis of mutational processes in 23 adult hemispheric diffuse gliomas identifies DNA-damage repair deficiency as a major contributor to gliomagenesis**  
Ozduman K., Ulgen E., Can Ö., Akyerli C., Pamir M. N.  
Annual Scientific Meeting of the American-Association-of-Neurologic-Surgeons (AANS), Louisiana, United States Of America, 29 April - 02 May 2018, vol.128, pp.11
- XII. **Biyobenzer Bir Monoklonal Antikorun Fonksiyonel ve Sitotoksik Özelliklerinin Belirlenmesi ve Referans Ürün ile Karşılaştırılması**  
Atik A. E., Demirhan D., Can Ö.  
2. Ulusal Proteomik Konferansı (TUPA), İstanbul, Turkey, 24 - 25 November 2017, pp.40
- XIII. **Oksidatif Stres Altındaki Referans & Biyobenzer Monoklonal Antikorun Karşılaştırmalı Fizikokimyasal Analizleri**  
Atik A. E., Demirhan D., Can Ö., Serdar M. A.  
2. Ulusal Proteomik Konferansı (TUPA), İstanbul, Turkey, 24 - 25 November 2017, pp.32
- XIV. **Improvement of Glycosylation Profile to Increase Similarity of Adalimumab Biosimilar to the Innovator with High-Resolution Mass Spectrometry**  
Atik A. E., Demirhan D., Can Ö.  
65th ASMS Conference on Mass Spectrometry and Allied Topics, Indiana, United States Of America, 4 - 08 June 2017, pp.186
- XV. **Surgical Outcome of Adult Hemispheric Glioblastoma is Determined by the Molecular-Subset: An Analysis of 142 Patients.**  
Ozduman K., Akyerli C., Yapicier O., Cosgun E., Yakicier M. C., Yuksel Ş., Dincer A., Can Ö., Pamir M. N.  
Annual Scientific Meeting of the American-Association-of-Neurological-Surgeons (AANS), Los-Angeles, Chile, 22 - 26 April 2017, vol.126
- XVI. **Modified University of Wisconsin Solution With Melatonin and the Its Efficacy of Kidney Preservation Time**  
Coskun A., Yeğen C., Arbak S., Gunal O., Attaallah W., Seckin I., Cetiner B., Yıldırım Z., Erdemgil Y., Acikel Elmas M., et al.  
The 16th European Microscopy Congress 2016, Lyon, France, 28 August - 02 September 2016, pp.304
- XVII. **Applying iTRAQ Proteomics and Systems Biology Approach to Understand the Glycosylated and Sialylated Pathways of CHO Mutants**  
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- XVIII. **An analysis for the role of telomerase (hTERT) promoter mutations in gliomagenesis**  
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- XIX. **An analysis for the role of telomerase hTERT promoter mutations in gliomagenesis**  
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- XXI. **A clinically relevant IDH and TERTp mutation based classification scheme for diffuse gliomas**  
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- XXIII. **Özge Can, Cemaliye Akyerli, Şirin Yüksel, Yavuz Oktay, Paolo Nanni, Nathalie Selevsek, Jonas Grossmann, Aysel Özpınar, Aydın Sav, Cengiz Yakıcıer, M Necmettin Pamir, Koray Özduman (2014) Tumor biomarker research in neuroscience: Application to brain tumors.**  
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- XXXIII. **BIOL 53-Conjugation of type I antifreeze protein to a polyamine**  
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## Supported Projects

CAN Ö., TUBITAK Project, Biyoteknolojik İlaç Üretiminde Yerli Teknolojilerin Geliştirilmesi, 2020 - 2027

Can Ö., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Hızlı Tanı Kitleri için Oda Sıcaklığında Nükleik Asit Çoğaltım Yönteminin Geliştirilmesi, 2023 - 2026

Timuçin A. C., Gürol İ., Can Ö., Kocagöz Z. T., TUBITAK Project, Detection and monitorization of cardiovascular disease parameter through MEMS structured sensor systems (KARMEMS) , 2022 - 2026

Timuçin A. C., Külah H., Gürol İ., Can Ö., Kocagöz Z. T., TUBITAK Project, MAESTRO - Micro Medical Technologies Platform, 2022 - 2026

Ceyhan G. O., CAN Ö., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Pankreas Kanserinin prelinik tedavisi için anti-NPY monoklonal antikorunu üretimi, 2022 - 2025

Kanlıdere Z., Can Ö., Kocagöz Z. T., Özdemir Bahadır A., TUBITAK Project, Ülkemizde ve Dünyada Halk Sağlığını En Fazla Tehdit Eden HIV, HPV ve Influenza Kaynaklı Enfeksiyonlara Karşı Tanı Kitleri, İlaç Formülasyonları ve Aşı Geliştirilmesi, 2020 - 2024

Can Ö., GÖK Ö., Project Supported by Higher Education Institutions, Doğadan Esinlenerek Oluşturulmuş Peptitler ile Redoks-Duyarlı ve Rahim Ağzı Kanseri Hedefli Nanoyapıların Hazırlanması , 2022 - 2023

Can Ö., Öztürk Işık E., TUBITAK Project, Beyin Zarı Tümörlerinin Genetik Alt Tiplerinin Noninvaziv Belirlenmesi Amaçlı İleri Manyetik Rezonans Görüntüleme ve Makine Öğrenme Temelli Ürün Geliştirilmesi, 2020 - 2022

Müftüoğlu M., Kocagöz Z. T., Can Ö., Alpan R. S., Atik A. E., TUBITAK Project, BİYOBENZER VEGF BLOKÖRÜNÜN TÜRKİYE'DE GELİŞTİRİLMESİ, KARAKTERİZASYONU VE PİLOT ÖLÇEK PROSESİNİN GELİŞTİRİLMESİ, 2018 - 2022

Can Ö., Demirhan D., Atik A. E., EU Supported Other Project, Biyoteknoloji Uygulamalarında Kullanılmak Üzere Özel Sensörlere Sahip Robot Teknolojilerinin Geliştirilmesi, 2018 - 2022

KURT Ö., CAN Ö., TUBITAK Project, Türkiye'de Yerli Bir Viseral Leishmaniasis Olgusunda ilk Kez Tanımlanan Leishmania Donovanii / L. Infantum Hibridinin Ayrıntılı Genomik ve Proteomik Karakterizasyonu ile in vivo Koşullardaki Patojen Etkilerinin ve Oluşturduğu İmmün Yanıtın Fare Modelinde L. Donovanii ve L. Infantum'un Referans Suşlarıyla Karşılaştırmalı Analizi, 2018 - 2021

Atik A. E., Kocagöz Z. T., Özal İldeniz T. A., Süyen G., Arbak S., Ünübol N., Can Ö., Demirhan D., TUBITAK Project, Doğadan Esinlenerek Antimikrobiyal Peptit ve Benzerlerinin Geliştirilmesi, 2018 - 2021

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Can Ö., ATİK A. E., TUBITAK Project, Igg Yapısındaki Terapötik Monoklonal Antikoron Antijen Bağlanma Özelliklerinin Belirlenmesi için Yüzeysel Plazmon Rezonans Sistemiyle Validasyonlarının Yapılarak Metot Geliştirilmesi, 2019 - 2020

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KOCAGÖZ Z. T., CAN Ö., TUBITAK Project, Biyobenzer Tnf-Alpha Blokörü Üreten Endüstriyel Amaçlı Hücre Hatlarının Geliştirilmesi, 2018 - 2020

DİNÇER A., CAN Ö., TUBITAK Project, Glial Beyin Tümörlerinin Genetik, Metabolik ve Histopatolojik Özelliklerini Manyetik

Rezonans Görüntüleme ile Non-İnvaziv Olarak Gösterebilecek Tanısal Ürün Geliştirilmesi, 2017 - 2020  
COSKUN A., CAN Ö., TUBITAK Project, Modifiye University Of Wisconsin Solüsyonunun Sıçan Böbrek Dokusu Saklama Süresine Etkisi, 2014 - 2015

## Patent

Can Ö., Kocagöz Z. T., Microorganism concentration method with elastic polymers, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/10110101 , Standard Registration, 2020

## Activities in Scientific Journals

Türkiye Sağlık Enstitüleri Başkanlığı Dergisi, Advisory Committee Member, 2020 - Continues

## Scientific Refereeing

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Acibadem Mehmet Ali Aydınlar University, Turkey, December 2022

TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Acibadem Mehmet Ali Aydınlar University, Turkey, July 2022

TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Acibadem Mehmet Ali Aydınlar University, Turkey, July 2022

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TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Acibadem Mehmet Ali Aydınlar University, Turkey, July 2022

TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Acibadem Mehmet Ali Aydınlar University, Turkey, July 2022

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Acibadem Mehmet Ali Aydınlar University, Turkey, May 2022

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Acibadem Mehmet Ali Aydınlar University, Turkey, May 2022

TUBITAK Project, 2236 - Program for Supporting International Researchers, Acibadem Mehmet Ali Aydınlar University, Turkey, January 2022

## Scientific Consultations

Atabay Kimya Sanayi ve Tic. A.Ş., Scientific Consultancy, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, Turkey, 2023 - Continues

Samsun Üniversitesi, Scientific Consultancy, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, Turkey, 2023 - Continues

Turgut İlaçları A.Ş., Scientific Consultancy, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, Turkey, 2015 - 2021

## **Metrics**

Publication: 73

Citation (WoS): 284

Citation (Scopus): 267

H-Index (WoS): 11

H-Index (Scopus): 10

## **Awards**

Can Ö., Doctoral Dissertation Research Expense Award, Cleveland State University, January 2007

Can Ö., Tau Beta Pi membership, Tau Beta Pi, January 2007