

Assoc. Prof. CEYHUN BEREKETOĞLU

Personal Information

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International Researcher IDs

ScholarID: j-JGNA8AAAAJ

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Publons / Web Of Science ResearcherID: GPK-8462-2022

ScopusID: 55358498200

Yoksis Researcher ID: 13915

Education

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Bioengineering (Eng), Turkey 2011 - 2017

Postgraduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Temel Tıp Bilimleri, Turkey 2008 - 2010

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Moleküler Biyoloji Ve Genetik, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Investigation of the effects of bisphenol a and nonylphenol on the transcriptional profiles of *Saccharomyces cerevisiae* genome, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Bioengineering (Eng), 2017

Postgraduate, Preeklampsi hastalarında interlökin 10 geni promotor (2849 A-G) ve anjiyotensin dönüştürücü enzim geni intron 16 insersiyon/delesyon polimorfizmlerinin ve genotip dağılımlarının araştırılması, Cukurova University, Sağlık Bilimleri Enstitüsü, Temel Tıp Bilimleri, 2010

Research Areas

Avesis Research Areas: Life Sciences, Biotechnology, Environmental Biology, Molecular Biology and Genetics

WoS Research Areas: Environment/Ecology, Molecular Biology & Genetics, Developmental Biology, Toxicology

Scopus Research Areas: Molecular Biology, Developmental Biology, Health, Toxicology and Mutagenesis

Academic Positions

Associate Professor, Marmara University, Faculty Of Engineering, Bioengineering, 2025 - Present

Assistant Professor, Marmara University, Faculty Of Engineering, Bioengineering, 2022 - 2025

Assistant Professor, Iskenderun Technical University, Faculty Of Engineering And Natural Sciences, Department Of Biomedical Engineering, 2018 - 2022

Research Assistant, Marmara University, Faculty of Engineering, Bioengineering, 2011 - 2018

Research Assistant, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Genetics And Bioengineering, 2010 - 2011

Courses

Postgraduate

BIOE7007 - Basic Techniques in Molecular Biology, Postgraduate, 2023 - 2024

IG7312 - Tehlikeli Maddelerin Etkileşimleri, Postgraduate, 2023 - 2024

IG7112 - Tehlikeli Maddelerin Etkileşimleri, Postgraduate, 2023 - 2024

BIOE7007 - Basic Techniques in Molecular Biology, Postgraduate, 2022 - 2023

Undergraduate

BIOE4294 - Special Topics in Bioengineering II, Undergraduate, 2023 - 2024

BIOE3212 - Bioengineering Lab II, Undergraduate, 2023 - 2024

BIOE3205 - Introduction to Toxicology, Undergraduate, 2023 - 2024

BIOE4203 - Environmental Biotechnology, Undergraduate, 2023 - 2024

BIOE3211 - Bioengineering Lab I, Undergraduate, 2023 - 2024

BIOE3012 - Bioengineering Lab II, Undergraduate, 2022 - 2023

BIOE3011 - Bioengineering Lab I, Undergraduate, 2022 - 2023

BIOE3012 - Bioengineering Lab II, Undergraduate, 2021 - 2022

Articles

- I. **Gaining Biological Insights Into Deltamethrin-Induced Toxicity and Resistance at the Molecular Level**
Yavuz M., Kaya R. A., BERKETOĞLU C., TURANLI B.
Journal of Biochemical and Molecular Toxicology, vol.39, no.9, 2025 (SCI-Expanded, Scopus)
- II. **In Vitro, In Vivo, and In Silico Analysis of Pyraclostrobin and Cyprodinil and Their Mixture Reveal New Targets and Signaling Mechanisms**
Kim Y., BERKETOĞLU C., Sercinoglu O., Pradhan A.
Chemical Research in Toxicology, vol.37, no.3, pp.497-512, 2024 (SCI-Expanded, Scopus)
- III. **Comparative analysis of diisononyl phthalate and di(isononyl)cyclohexane-1,2 dicarboxylate plasticizers in regulation of lipid metabolism in 3T3-L1 cells**
BERKETOĞLU C., Häggblom I., TURANLI B., Pradhan A.
Environmental Toxicology, vol.39, no.3, pp.1245-1257, 2024 (SCI-Expanded, Scopus)
- IV. **The toxicity assessment of phosmet on development, reproduction, and gene expression in Daphnia magna**
Ataş M., BERKETOĞLU C.
PeerJ, vol.12, 2024 (SCI-Expanded, Scopus)
- V. **Plasticizers: negative impacts on the thyroid hormone system**
Bereketoglu C., Pradhan A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.26, pp.38912-38927, 2022 (SCI-Expanded, Scopus)
- VI. **Sex-specific differences in zebrafish brains**
Zhai G., Jia J., BERKETOĞLU C., Yin Z., Pradhan A.
BIOLOGY OF SEX DIFFERENCES, vol.13, no.1, 2022 (SCI-Expanded, Scopus)
- VII. **Di(isononyl) cyclohexane-1,2-dicarboxylate (DINCH) alters transcriptional profiles, lipid metabolism and behavior in zebrafish larvae**

Saad N., Bereketoglu C., Pradhan A.

HELIYON, vol.7, no.9, 2021 (SCI-Expanded, ESCI, Scopus)

- VIII. **The brominated flame retardants TBEC and DPTE alter prostate growth, histology and gene expression patterns in the mouse**
Bereketoglu C., Modig C., Pradhan A., Andersson P. L., Stasinopoulou S., Mitsiou D. J., Alexis M. N., Olsson P.
REPRODUCTIVE TOXICOLOGY, vol.102, pp.43-55, 2021 (SCI-Expanded, Scopus)
- IX. **In silico and in vitro assessment of androgen receptor antagonists**
Sercinoglu O., Bereketoglu C., Olsson P., Pradhan A.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.92, 2021 (SCI-Expanded, Scopus)
- X. **Medicinal plants for prevention and treatment of coronavirus disease. Journal of Intelligent Systems with Application**
OTLU Ö., BEREKETOĞLU C., KIRAN T. R., BAY KARABULUT A.
Journal of Intelligent Systems with Applications, vol.4, no.1, 2021 (Peer-Reviewed Journal)
- XI. **Forecasting model to predict the spreading of the covid-19 outbreak in Turkey**
BEREKETOĞLU C., ÖZCAN N., KIRAN T. R., YOLA M. L.
Journal of Intelligent Systems with Applications, vol.4, no.2, pp.95-102, 2021 (Peer-Reviewed Journal)
- XII. **Propilparabenin Daphnia magna ve Saccharomyces cerevisiae Üzerindeki Toksik Etkilerinin Araştırılması**
BEREKETOĞLU C.
International Journal of Engineering and Pure Sciences, vol.33, pp.143-149, 2021 (TRDizin)
- XIII. **Transcriptomic analysis of nonylphenol effect on Saccharomyces cerevisiae**
Bereketoglu C., Nacar G., Sari T., MERTOĞLU B., Pradhan A.
PEERJ, vol.9, 2021 (SCI-Expanded, Scopus)
- XIV. **Nonsteroidal anti-inflammatory drugs (NSAIDs) cause male-biased sex differentiation in zebrafish**
Bereketoglu C., Pradhan A., Olsson P.
AQUATIC TOXICOLOGY, vol.223, 2020 (SCI-Expanded, Scopus)
- XV. **The food preservative ethoxyquin impairs zebrafish development, behavior and alters gene expression profile**
Pradhan A., Bereketoglu C., Martin L., Duhagon J., Olsson P.
FOOD AND CHEMICAL TOXICOLOGY, vol.135, 2020 (SCI-Expanded, Scopus)
- XVI. **Comparative transcriptional analysis of methylparaben and propylparaben in zebrafish**
Bereketoglu C., Pradhan A.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.671, pp.129-139, 2019 (SCI-Expanded, Scopus)
- XVII. **Systems biomarkers in psoriasis: Integrative evaluation of computational and experimental data at transcript and protein levels**
Sevimoglu T., Turanlı B., Bereketoglu C., ARĀA K. Y., KARADAĀ A. S.
GENE, vol.647, pp.157-163, 2018 (SCI-Expanded, Scopus)
- XVIII. **Genome reprogramming in Saccharomyces cerevisiae upon nonylphenol exposure**
Bereketoglu C., ARĀA K. Y., Eraslan S., MERTOĞLU B.
PHYSIOLOGICAL GENOMICS, vol.49, no.10, pp.549-566, 2017 (SCI-Expanded, Scopus)
- XIX. **Analysis of transcriptional profiles of Saccharomyces cerevisiae exposed to bisphenol A**
Bereketoglu C., ARĀA K. Y., Eraslan S., MERTOĞLU B.
CURRENT GENETICS, vol.63, no.2, pp.253-274, 2017 (SCI-Expanded, Scopus)
- XX. **Simultaneous nitrate and perchlorate removal from groundwater by heterotrophic-autotrophic sequential system**
Ucar D., Çokgör E., ŞAHİNKAYA E., Cetin U., Bereketoglu C., Calimlioglu B., GÖNCÜ B., Yurtsever A.
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.116, pp.83-90, 2017 (SCI-Expanded, Scopus)
- XXI. **Investigating the toxic effects of nonylphenol on Saccharomyces cerevisiae**
Bereketoglu C., ARĀA K. Y., MERTOĞLU B.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded, Scopus)
- XXII. **Genetic polymorphisms of estrogen receptor alpha and catechol-O- methyltransferase genes in**

Turkish patients with familial prostate carcinoma

Pazarbasi A., Yilmaz M. B., Alptekin D., Luleyap U., Tansug Z., Ozbek L., Izmirli M., Onatoglu-Arikan D., Kocaturk-Sel S., Erkoc M. A., et al.

Indian Journal of Human Genetics, vol.19, no.4, pp.408-411, 2013 (Scopus)

XXIII. Studies on Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism and Genotype Distributions in Turkish Preeclampsia Patients

Bereketoglu C., Kasap M., PAZARBAŞI A.

JOURNAL OF PREGNANCY, vol.2012, 2012 (ESCI, Scopus)

XXIV. Kronik Obstrüktif Akciğer Hastalığında (KOA) Genetik Risk Faktörleri

Erkoç M. A., BEREKETOĞLU C., ALPTEKİN D.

ARSIV KAYNAK TARAMA DERGISI, vol.19, no.3, pp.168-179, 2010 (TRDizin)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. INVESTIGATION OF THE TOXIC EFFECTS OF DIISONONYL PHTHALATE (DINP) ON SACCHAROMYCES CEREVISIAE**
Ayana G., Erdoğan I. D., BEREKETOĞLU C.
ISTANBUL INTERNATIONAL CONTEMPORARY SCIENTIFIC RESEARCH CONGRESS -VII, İstanbul, Turkey, 01 July 2025, (Full Text)
- II. Dİ(İZONONİL) SİKLOHEKSAN-1,2-DİKARBOKSİLAT MARUZİYETİ, ZEBRA BALIKLARINDA BÜYÜME İLE İLİŞKİLİ GEN İFADELERİNİ DEĞİŞTİRİR**
Göyük Y., TURANLI B., BEREKETOĞLU C.
8. INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS, Konya, Turkey, 29 May 2025, (Full Text)
- III. INVESTIGATING THE EFFECTS OF PROCYRIDONE ON THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE**
NALBANT A. E., GÜMÜŞOĞLU G. K., BEREKETOĞLU C.
3. BİLSEL INTERNATIONAL EFES SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, İzmir, Turkey, 22 March 2024, (Summary Text)
- IV. ACUTE TOXICITY ANALYSIS OF A FOOD PRESERVATIVE ETOXYQUIN ON AQUATIC MODEL ORGANISM DAPHNIA MAGNA**
BEREKETOĞLU C.
CUKUROVA 12TH INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 9 - 12 March 2024, (Summary Text)
- V. The Toxicity Analysis of Sodium Fluoride At Developmental and Gene Expression Levels On Zebrafish**
BEREKETOĞLU C.
19th International Scientific Research Congress (19th UBAK), Ankara, Turkey, 16 - 17 March 2024, (Summary Text)
- VI. Propylparaben Impedes Survival and Growth of Daphnia magna and Saccharomyces cerevisiae**
BEREKETOĞLU C.
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL, LIFE SCIENCE CONFERENCE AGBIOL 2023, Edirne, Turkey, 18 - 20 September 2023, (Summary Text)
- VII. Fosmetin Daphnia magna Üzerindeki Akut ve Kronik Toksisitesinin Araştırılması**
ATAŞ M., BEREKETOĞLU C.
ASES INTERNATIONAL HEALTH, ENGINEERING AND SCIENCES CONGRESS, Ankara, Turkey, 07 May 2022, pp.291-298, (Full Text)
- VIII. Evaluation of the Relationship between Risk Perception and Readiness Attitudes of Emergency Health Care Workers towards CBRN Threats – The Case of Hatay Province**
TAZEARSLAN Z., BEREKETOĞLU C.

3rd International Congress of Multidisciplinary Studies in Medical Sciences, 17 August 2021, (Full Text)

- IX. **Medicinal Plants for Prevention and Treatment of Coronavirus Disease**
OTLU Ö., BEREKETOĞLU C., KIRAN T. R., BAY KARABULUT A.
4. International Conference on Medical Devices, 10 - 12 June 2021, (Summary Text)
- X. **Forecasting Model to Predict the Spreading of the COVID-19 Outbreak in Turkey**
BEREKETOĞLU C., ÖZCAN N., KIRAN T. R., YOLA M. L.
4. International Conference on Medical Devices, 10 - 12 June 2021, (Summary Text)
- XI. **Plasticizers: Negative Impacts on the Immune System and Metabolism**
Saad N., BEREKETOĞLU C., Pradhan A.
SETAC EUROPE 31ST ANNUAL MEETING: GLOBAL CHALLENGES. AN EMERGENCY FOR ENVIRONMENTAL SCIENCES, 03 May 2021 - 06 March 2024, (Summary Text)
- XII. **Molecular Modeling of Pesticide – Androgen Receptor Interactions**
SERÇİNOĞLU O., BEREKETOĞLU C., Pradhan A.
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, (Summary Text)
- XIII. **The Effects of Methylparaben and Propylparaben on Early Developmental Stages and Transcriptional Profiles of Zebrafish**
BEREKETOĞLU C.
4th International Energy and Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, (Summary Text)
- XIV. **Investigating the effects of fluoxetine on the growth kinetics and gene expression profiles of *Saccharomyces cerevisiae***
Nacar G., Sarı T., BEREKETOĞLU C., MERTOĞLU B.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019, (Summary Text)
- XV. **Investigating the effects of nonsteroidal anti-inflammatory drugs (NSAIDs) on sex differentiation in zebrafish**
BEREKETOĞLU C., Pradhan A., Olsson P. E.
SETAC Europe 29th Annual Meeting: One Environment. One Health. Sustainable Societies., Helsinki, Finland, 26 - 30 May 2019, (Summary Text)
- XVI. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
17th European Congress on Biotechnology, 3 - 06 July 2016, (Summary Text)
- XVII. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**
BEREKETOĞLU C., ARĞA K. Y., eraslan s., MERTOĞLU B.
EMBO Conference "Gene transcription in yeast: From chromatin to RNA and back", 11 - 16 June 2016
- XVIII. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**
BEREKETOĞLU C., ARĞA K. Y., Eraslan S., MERTOĞLU B.
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 June 2016, (Summary Text)
- XIX. **Research on the action mechanisms of endocrine disrupting chemicals via system biology approach**
BEREKETOĞLU C., ARĞA K. Y., MERTOĞLU B.
Advanced Lecture Course on Systems Biology, Innsbruck, Austria, 2 - 08 March 2014, (Summary Text)
- XX. **Investigating the effects of endocrine disrupting chemicals from yeast systems biology perspective**
BEREKETOĞLU C.
The 6th International Course in Yeast Systems Biology, 3 - 10 June 2013, (Summary Text)
- XXI. **Investigation of Angiotensin II Type 2 receptor gene A1675G polymorphism and distribution of genotypes in preeclampsia and normal pregnancies**
ÖZPAK L., PAZARBAŞI A., MÜLKIYE K., ALPTEKİN D., ÖZGÜNEN F. T., BEREKETOĞLU C., YILMAZ M. B., KOCATÜRK SEL S., TUFAN T., ÇÖMERTPAY G., et al.
European Human Genetics Conference, NURNBERG, Germany, 23 - 26 June 2012, (Summary Text)
- XXII. **Kronik Obstrüktif Akciğer Hastalığı KOAH Olan Kişilerde TNF Alfa G 308A TGF Beta C 509T ve T869C Polimorfizmleri**
Erkoç M. A., ALPTEKİN D., YILMAZ M. B., BEREKETOĞLU C., KOCATÜRK SEL S.

XII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Turkey, 27 - 30 October 2011, (Summary Text)

XXIII. Genetic Polymorphisms in the Estrogen Receptor Alpha Gene in Turkish Patients with Familial Prostate Carcinoma

PAZARBAŞI A., ALPTEKİN D., LÜLEYAP H. Ü., TANSUĞ M. Z., İZMİRLİ M., YILMAZ M. B., Onatoğlu Arıkan D., BEREKETOĞLU C., KOCATÜRK SEL S., ÖZPAK L., et al.

4th. International Congress of Molecular Medicine, İstanbul, Turkey, 27 - 30 June 2011, (Summary Text)

Funded Projects

Bereketoğlu C., Arga K. Y., Project Supported by Higher Education Institutions, BAP Research Project, Assessment of Neurotoxic and Molecular Impacts of Pyrethroid Insecticides in Zebrafish, 2025 - 2027

Bereketoğlu C., Kaya R. A., Project Supported by Higher Education Institutions, BAP MSc, Alternatif per ve polifloroalkil maddelerin toksik etkilerinin moleküler düzeyde araştırılması, 2023 - 2025

Bereketoğlu C., Yola M. L., TUBITAK Project, 3501 - National Young Researcher Career Development Program, Yeni Nesil Plastikleştirici olan 1,2-Sikloheksan Dikarboksilik Asit Diisononil Ester (DINCH)'in Bağışıklık Sistemi ve Metabolizma Üzerine olan Etkilerinin Araştırılması ve Tespiti için MXene Temelli Moleküler Baskılanmış Elektrokimyasal Sensörlerin Hazırlanması, 2021 - 2025

Bereketoğlu C., Yavuz M., Turanlı B., Project Supported by Higher Education Institutions, BAP PhD, Pestisitlerin mayalar üzerindeki toksisitesinin moleküler düzeyde araştırılması, 2022 - 2024

Bereketoğlu C., Turanlı B., Mertoğlu B., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Nanoplastiklerin Saccharomyces Cerevisiae Üzerindeki Toksik Etkilerinin Araştırılması Ve Crispr Yöntemi İle Toksisitede Kilit Rol Oynayan Metabolik Yol İzlerinin Manipülasyonu, 2021 - 2024

Bereketoğlu C., Turan F., Sakallı A., Yola M. L., Project Supported by Higher Education Institutions, BAP Research Project, Glufosinat amonyumun Daphnia magna üzerindeki olası toksik etkilerinin moleküler düzeyde araştırılması ve çevresel tayinine yönelik moleküler baskılanmış sensörlerin geliştirilmesi, 2020 - 2022

Bereketoğlu C., Yola M. L., Project Supported by Higher Education Institutions, BAP Research Project, Yeni Nesil Koronavirüs COVID-19'un Yayılımını ve Etki Seviyelerini Tahmin Etmek İçin Web Tabanlı Model ve Veri Tabanı Geliştirilmesi, 2020 - 2021

Bereketoğlu C., Toker Y., Mertoğlu B., Project Supported by Higher Education Institutions, BAP Research Project, Nonilfenolün Arabidopsis thaliana üzerine etkilerinin yeni nesil dizi analizi ile incelenmesi, 2017 - 2021

Bereketoğlu C., Mertoğlu B., Project Supported by Higher Education Institutions, BAP Research Project, Bisfenol A'nın Saccharomyces cerevisiae genomu transkripsiyon profilleri üzerindeki etkilerinin incelenmesi, 2014 - 2017

Bereketoğlu C., Arğa K. Y., Mertoğlu B., Project Supported by Higher Education Institutions, BAP Research Project, Endokrin bozucu bileşiklerin Saccharomyces cerevisiae genomunun transkripsiyon profilleri üzerindeki etkilerinin moleküler metotlarla araştırılması, 2013 - 2016

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Editor, 2025 - Present

Metrics

Publication: 47

Citation (WoS): 87

Citation (Scopus): 243

H-Index (WoS): 6

H-Index (Scopus): 10