

## 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

### 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

Life Sciences, Biotechnology, Environmental Biology, Molecular Biology and Genetics

### Academic Positions

Assistant Professor, Marmara University, Faculty of Engineering, Bioengineering, 2022 - Continues

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

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **The toxicity assessment of phosmet on development, reproduction, and gene expression in *Daphnia magna***  
Ataş M., BERKETOĞLU C.  
PeerJ, vol.12, 2024 (SCI-Expanded)
- IV. **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)
- 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)
- VI. **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)
- VII. **The brominated flame retardants TBECH 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)
- VIII. **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)
- IX. **Transcriptomic analysis of nonylphenol effect on *Saccharomyces cerevisiae***  
Bereketoglu C., Nacar G., Sari T., MERTOĞLU B., Pradhan A.  
PEERJ, vol.9, 2021 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **Systems biomarkers in psoriasis: Integrative evaluation of computational and experimental data at transcript and protein levels**  
Sevimoglu T., Turanli B., Bereketoglu C., ARĀA K. Y., KARADAĀ A. S.  
GENE, vol.647, pp.157-163, 2018 (SCI-Expanded)
- XIV. **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)

- XV. **Analysis of transcriptional profiles of *Saccharomyces cerevisiae* exposed to bisphenol A**  
Bereketoglu C., ARĞA K. Y., Eraslan S., MERTOĞLU B.  
CURRENT GENETICS, vol.63, no.2, pp.253-274, 2017 (SCI-Expanded)
- XVI. **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)

## Articles Published in Other Journals

- I. **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)
- II. **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)
- III. **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 (Peer-Reviewed Journal)
- IV. **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., Luleyp U., Tansug Z., Ozpak L., Izmirli M., Onatoglu-Arikan D., Kocaturk-Sel S., Erkoç M. A., et al.  
Indian Journal of Human Genetics, vol.19, no.4, pp.408-411, 2013 (Scopus)
- V. **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)
- VI. **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 (Peer-Reviewed Journal)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **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)
- II. **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)
- III. **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)

- IV. **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)
- V. **Fosmetin *Daphnia magna* Üzerindeki Akut ve Kronik Toksisitesinin Araştırılması**  
ATAŞ M., BERKETOĞLU C.  
ASES INTERNATIONAL HEALTH, ENGINEERING AND SCIENCES CONGRESS, Ankara, Turkey, 07 May 2022, pp.291-298, (Full Text)
- VI. **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., BERKETOĞLU C.  
3rd International Congress of Multidisciplinary Studies in Medical Sciences, 17 August 2021, (Full Text)
- VII. **Forecasting Model to Predict the Spreading of the COVID-19 Outbreak in Turkey**  
BERKETOĞLU C., ÖZCAN N., KIRAN T. R., YOLA M. L.  
4. International Conference on Medical Devices, 10 - 12 June 2021, (Summary Text)
- VIII. **Medicinal Plants for Prevention and Treatment of Coronavirus Disease**  
OTLU Ö., BERKETOĞLU C., KIRAN T. R., BAY KARABULUT A.  
4. International Conference on Medical Devices, 10 - 12 June 2021, (Summary Text)
- IX. **Plasticizers: Negative Impacts on the Immune System and Metabolism**  
Saad N., BERKETOĞLU C., Pradhan A.  
SETAC EUROPE 31ST ANNUAL MEETING: GLOBAL CHALLENGES. AN EMERGENCY FOR ENVIRONMENTAL SCIENCES, 03 May 2021 - 06 March 2024, (Summary Text)
- X. **Molecular Modeling of Pesticide – Androgen Receptor Interactions**  
SERÇİNOĞLU O., BERKETOĞLU C., Pradhan A.  
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, (Summary Text)
- XI. **The Effects of Methylparaben and Propylparaben on Early Developmental Stages and Transcriptional Profiles of Zebrafish**  
BERKETOĞLU C.  
4th International Energy and Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, (Summary Text)
- XII. **Investigating the effects of fluoxetine on the growth kinetics and gene expression profiles of *Saccharomyces cerevisiae***  
Nacar G., Sarı T., BERKETOĞLU C., MERTOĞLU B.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019, (Summary Text)
- XIII. **Investigating the effects of nonsteroidal anti-inflammatory drugs (NSAIDs) on sex differentiation in zebrafish**  
BERKETOĞLU 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)
- XIV. **Investigating the toxic effects of nonylphenol on *Saccharomyces cerevisiae***  
BERKETOĞLU C., ARĞA K. Y., MERTOĞLU B.  
17th European Congress on Biotechnology, 3 - 06 July 2016, (Summary Text)
- XV. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**  
BERKETOĞLU C., ARĞA K. Y., eraslan s., MERTOĞLU B.  
EMBO Conference "Gene transcription in yeast: From chromatin to RNA and back", 11 - 16 June 2016
- XVI. **Transcriptional analysis of nonylphenol on *Saccharomyces cerevisiae* using DNA microarray**  
BERKETOĞLU C., ARĞA K. Y., Eraslan S., MERTOĞLU B.  
Gene transcription in yeast: From chromatin to RNA and back, 11 - 16 June 2016, (Summary Text)
- XVII. **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)

- XVIII. **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)

- XIX. **Investigation of Angiotensin II Type 2 receptor gene A1675G polymorphism and distribution of genotypes in preeclampsia and normal pregnancies**

ÖZPAK L., PAZARBAŞI A., MÜLKİYE 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)

- XX. **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)

- XXI. **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., Turanlı B., Mertoğlu B., TÜBİTAK Project, Nanoplastiklerin Saccharomyces Cerevisiae Üzerindeki Toksik Etkilerinin Araştırılması Ve Crispr Yöntemi Ile Toksikitede Kilit Rol Oynayan Metabolik Yol Izlerinin Manipülasyonu, 2021 - 2024

Bereketoğlu C., Yola M. L., TÜBİTAK Project, 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 - 2024

Bereketoğlu C., Turan F., Sakallı A., Yola M. L., Project Supported by Higher Education Institutions, 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, 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, Nonilfenolün Arabidopsis thaliana üzerine etkilerinin yeni nesil dizi analizi ile incelenmesi, 2017 - 2021

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

## Metrics

Publication: 43

Citation (WoS): 87

Citation (Scopus): 241

H-Index (WoS): 6

H-Index (Scopus): 10