

# Prof. KANUNİ BARBAROS BALABANLI

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-10216-2022

ScopusID: 7801342019

Yoksis Researcher ID: 47673

## Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Biyokimya Anabilim Dalı, Turkey 1993 - 1999

Undergraduate, Gazi University, Tıp Fakültesi, Turkey 1984 - 1992

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Health Sciences

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Biyoloji, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Biyoloji, 2010 - 2018

Assistant Professor, Gazi University, Fen Fakültesi, Biyoloji, 2003 - 2010

Research Assistant, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, 1993 - 1999

## Academic and Administrative Experience

Gazi University, Fen Fakültesi, Biyoloji Bölümü, 2013 - 2017

## Advising Theses

BALABANLI K. B., Alzheimer hastalığının bir modeli olan intraserebroventriküler streptozotosin enjeksiyonları: DCLK-1 ve interlökin-1 üzerinde bor ve taurinin rolü, Postgraduate, S.BEKAR(Student), 2019

BALABANLI K. B., Silencing Of Tumor Suppressor Genes Which Are Playing Role In Colorectal Carcinogenesis By Crispr/Cas9 System, Postgraduate, Ö.ATCI(Student), 2018

BALABANLI K. B., The investigation of antioxidant effect of resveratrol on heart and liver in fructose induced-metabolic

syndrome, Doctorate, F.SEZEN(Student), 2014

BALABANLI K. B., Investigation of effect of boron on endotoxine-induced leukocyte function and following free radical condition, Postgraduate, S.ÇONGARALI(Student), 2013

BALABANLI K. B., The effect of Lycium barbarum polysaccharides on liver and spleen caspase and nitric oxide levels in 7,12-Dimethylbenz[a]anthracene induced rat leukemia, Postgraduate, A.BAŞARAN(Student), 2013

BALABANLI K. B., Yara iyileşmesinde sistemik egf uygulamasının karaciğer dokusu kollajen ve protein düzeylerine etkisi, Postgraduate, F.KÜÇÜK(Student), 2010

BALABANLI K. B., Yara iyileşmesinde sistemik epidermal büyüme faktörü uygulamasının beyin dokusu glikozaminoglikan ve protein düzeylerine etkisi, Postgraduate, Z.TIKTIK(Student), 2010

BALABANLI K. B., Anti-endotelial hücre antikoruna ile granülosit sitoplazmasına karşı oluşmuş otoantikor ilişkisinin araştırılması, Postgraduate, S.ALTAY(Student), 2008

BALABANLI K. B., Karyotipi normal olarak belirlenen gebelik kayıplarının etiolojisinde faktör II, faktör V, metilentetrahidrofolat redüktaz gen mutasyonlarının etkisi, Postgraduate, E.PALA(Student), 2007

BALABANLI K. B., THE EFFECT OF ASCORBIC ACID ON CELL AGING, Postgraduate, N.ALEM(Student), 2007

BALABANLI K. B., Endotoksemi oluşturulan kobayların dalak dokusunda 3-nitrotirozin oluşumu ve taurinin antioksidan etkisinin incelenmesi, Postgraduate, F.SEZEN(Student), 2007

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

- I. **The combined effect of morin and hesperidin on memory ability and oxidative/nitrosative stress in a streptozotocin-induced rat model of Alzheimer's disease**  
Yilmazer U. T., Pehlivan B., GÜNEY Ş., YAR SAĞLAM A. S., Balabanlı B., Kaltalioglu K., COŞKUN CEVHER Ş.  
Behavioural Brain Research, vol.471, 2024 (SCI-Expanded)
- II. **Investigation Covering the Effect of Boron plus Taurine Application on Protein Carbonyl and Advanced Oxidation Protein Products Levels in Experimental Alzheimer Model**  
Yildirim C., Yar Saglam A. S., Guney Ş., Turan B., Ebeğil M., Coskun Cevher Ş., Balabanlı B.  
Biological Trace Element Research, vol.201, no.4, pp.1905-1912, 2023 (SCI-Expanded)
- III. **The effect of ascorbic acid supplementation on brain oxidative events in experimental diabetes**  
Peker E. G., Coşkun Cevher Ş., Özer Ç., Balabanlı K. B., Gonul B.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, pp.364-374, 2010 (SCI-Expanded)
- IV. **Ascorbic acid prevents lipid peroxidation by sparing nitric oxide in fibroblast cells**  
BALABANLI K. B., Bircan F. S., Pala E., Alem N., EBEGİL M., COŞKUN CEVHER Ş.  
Asian Journal of Chemistry, vol.21, no.2, pp.1372-1376, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Vascular Endothelial Growth Factor Supplementation Enhance Skin Antioxidant Capacity in Hyperglycemic Rats**  
Uzun E., Balabanlı K. B., Coşkun Cevher Ş.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.36, no.4, pp.1449-1461, 2023 (ESCI)
- II. **Benfluorex, Friends or Foe? The Effects of Benfluorex on Oxidative Status in the Brain During Experimental Diabetes**  
Güleç Peker E. G., Balabanlı K. B., Özer Ç., Coşkun Cevher Ş.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.3, pp.357-363, 2021 (Peer-Reviewed Journal)
- III. **Evaluation of The Effects of ELF-EMF on Oxidative Parameters in Brain, Liver and Heart Tissues**  
GÜLEÇ PEKER E. G., BALABANLI K. B., TOMRUK A., CANSEVEN KURŞUN A. G., COŞKUN CEVHER Ş.  
Karadeniz Fen Bilimleri Dergisi, vol.9, no.2, pp.264-274, 2019 (Peer-Reviewed Journal)
- IV. **Evaluation of Serum Malondialdehyde And Nitric Oxide Levels in Patients with Cystic Echinococcosis**

Gulec Peker E. G., EBEGİL M., BALABANLI K. B., COŞKUN CEVHER Ş.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.700-705, 2018 (ESCI)

V. **Investigation of the Effects of Boron on Leucocyte Functions and Formed Free Radical Status in Endotoxin-Mediated Inflammation**

BALABANLI K. B., ÇONGARALI S., BAŞARAN A., CAN F.  
International Journal of Biochemistry Physiology, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of co-administration of Rosmarinic Acid and Carvacrol on wound tissue nitric oxide and protein carbonyl levels in diabetic rats**  
kömür s., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023., 11 October 2023, pp.210
- II. **THE EFFECT CO-APPLICATION OF TWO DIFFERENT NATURAL COMPOUNDS ON WOUND HEALING, MATRIX METALLOPROTEINASE AND COLLAGEN LEVELS**  
kömür s., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
EURO ASIA 11th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Ankara, Turkey, 27 May 2023, pp.237-238
- III. **Different Applications of Combination of Ellagic Acid and Carnosic Acid in Hyperglycemic Rats: A Perspective of Protein Dysfunction in Wound Healing Process**  
ALVER E. N., TUĞCU DEMİRÖZ F. N., BALABANLI K. B., COŞKUN CEVHER Ş.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 November 2022, pp.53
- IV. **The Effect of A New Generation Antioxidant Combination on Matrix Metalloproteinases in Diabetic Wound Healing**  
ALVER E. N., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
3 rd International Conference on Applied Engineering and Natural Sciences, Turkey, 20 July 2022
- V. **The Effect of Application of Ellagic Acid and Carnosic Acid on Wound Healing**  
Alver E. N., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 December 2021, pp.32
- VI. **The Effect of Application of Ellagic Acid and Carnosic Acid on Wound Healing**  
ALVER E. N., BALABANLI K. B., TUĞCU DEMİRÖZ F. N., COŞKUN CEVHER Ş.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 December 2021, pp.32
- VII. **The effect of thymoquinone and ceratonia siliqua L. on the some levels of cytokines in experimental model of asthma**  
Ahmed Ahmed A. F., YILDIRIM Ç., KORKMAZ D., BALABANLI K. B., COŞKUN CEVHER Ş.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Turkey, 28 - 29 June 2019
- VIII. **The relationship between IGF-1 therapy and anti-oxidant parameters during wound healing**  
ÖZMEN T., BALABANLI K. B., COŞKUN CEVHER Ş.  
2nd International Gazi Pharma Symposium, 11 - 13 November 2017
- IX. **POTENTILLA ERECTA EXTRACT INCREASES THE GLUTATHIONE LEVELS OF WOUND TISSUE IN STZ-INDUCED DIABETIC RATS**  
KALTALIOĞLU K., BALABANLI K. B., COŞKUN CEVHER Ş.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.132
- X. **THE EFFECT OF POTENTILLA ERECTA ON THE COLLAGEN LEVELS OF WOUND TISSUE IN STZ-INDUCED DIABETIC RATS**  
KALTALIOĞLU K., BALABANLI K. B., COŞKUN CEVHER Ş.

The Second Japan – Turkey International Symposium on Pharmaceutical and Biomedical Sciences (JATUSPAB-2), Trabzon, Turkey, 11 - 12 September 2017, pp.91

**XI. ISATIS SIVASICA ACCELERATES WOUND CLOSURE IN STZ-INDUCED DIABETIC RATS**

KALTALIOĞLU K., BALABANLI K. B., COŞKUN CEVHER Ş.

The Second Japan – Turkey International Symposium on Pharmaceutical and Biomedical Sciences (JATUSPAB-2), Trabzon, Turkey, 11 - 12 September 2017, pp.90

**XII. The Effect of Bfgf Administration on The Wound Tissue Nox Levels**

erarslan s., BALABANLI K. B., COŞKUN CEVHER Ş.

Biomed2017, 12 - 14 May 2017

**XIII. The effect of Tragopogon dshimilensis on the collagen levels of wound tissue in diabetic rats**

KALTALIOĞLU K., BALABANLI K. B., COŞKUN CEVHER Ş.

22nd Biomedical Science and Technology Symposium (BIOMED), Ankara, Turkey, 12 - 14 May 2017, pp.161

**XIV. Synthesis of 3-Cyano-N-pyridinyl Acetamide Derivatives and Investigation of Their Antimicrobial Effects**

ALTUNDAŞ A., LOĞOĞLU E., BALABANLI K. B., COŞKUN CEVHER Ş.

Biomed2017, 12 - 14 May 2017

**XV. The effect of Potentilla erecta on wound contraction in diabetic rats**

KALTALIOĞLU K., BALABANLI K. B., COŞKUN CEVHER Ş.

22nd Biomedical Science and Technology Symposium (BIOMED), Ankara, Turkey, 12 - 14 May 2017, pp.162

**XVI. Synthesis of 3-Cyano-N-pyridinyl Acetamide Derivatives and Investigation of Their Antimicrobial Effects”**

ALTUNDAŞ A., LOĞOĞLU E., BALABANLI K. B., Coşgun Cevher S.

Biomed 2017, International Biomedical Science Technology Symposium, 12 - 14 May 2017

**XVII. Effect of Transforming Growth Factor Beta 1 (TGF Beta 1) on Oxidative Stress in Wound Healing**

COŞKUN CEVHER Ş., BALABANLI K. B., ACARTÜRK F.

9th ISOPS, 23 - 26 June 2009

## Supported Projects

Coşkun Cevher Ş., Gürsoy E. N., Şener K., Kùlahcı M. B., Balabanlı K. B., Tuğcu Demiröz F. N., Börekçi B., Project Supported by Higher Education Institutions, Morin ve Hesperidin ile Zenginleştirilmiş Yeni Nesil Doğala Özdeş Selüloz Bazlı Yara Örtüsünün Geliştirilmesi, 2024 - 2027

BALABANLI K. B., Project Supported by Higher Education Institutions, Ratlarda 7,12-dimetybenz[a]anthracene ile İndüklenen Lösemide Lycium barbarum Polifenollerinin Karaciğer ve Dalak Kaspaz ve 8-hidroksideoksiguanozin Düzeyleri Üzerine Etkisi, 2011 - 2013

BALABANLI K. B., Project Supported by Higher Education Institutions, Bor Varlığında Lökosit Fonksiyonlarının Araştırılması, 2011 - 2013

BALABANLI K. B., Project Supported by Higher Education Institutions, Askorbik Asitin Hücresel Düzeyde Nitrik Oksit Sentez ve Fonksiyonu Üzerine Etkisi, 2005 - 2007

## Metrics

Publication: 27

Citation (WoS): 10

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2

## **Non Academic Experience**

Texas Universities