

## Dr. Öğr. Üyesi Nurdan GÖNÜL BALTACI

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Atatürk Üniversitesi, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, Türkiye 2013 - 2018

Yüksek Lisans, Atatürk Üniversitesi, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, Türkiye 2011 - 2013

Lisans, Atatürk Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2006 - 2010

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Araştırma Alanları

Yaşam Bilimleri, Biyoteknoloji, Moleküler Biyoloji ve Genetik, Temel Bilimler

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Green alternatives to petroleum-based plastics: production of bioplastic from *Pseudomonas neustonica* strain NGB15 using waste carbon source.**  
Baltacı N., BALTACI M. Ö., GÖRMEZ A., Örtücü S.  
Environmental science and pollution research international, cilt.31, sa.21, ss.31149-31158, 2024 (SCI-Expanded)
- II. **Depletion of *Tip60/Kat5* affects the hepatic antioxidant system in mice**  
Kocpinar E. F., Baltacı N., AKKEMİK E., BUDAK H.  
JOURNAL OF CELLULAR BIOCHEMISTRY, cilt.124, sa.1, ss.103-117, 2023 (SCI-Expanded)
- III. ***Tip60/Kat5* may be a novel candidate histone acetyltransferase for the regulation of liver iron localization via acetylation**  
Baltacı N., TORAMAN E., Akyuz M., Kalın S. N., BUDAK H.  
BIOMETALS, cilt.35, sa.6, ss.1187-1197, 2022 (SCI-Expanded)
- IV. **Effect of Titanium Dioxide and Silver Nanoparticles on Mitochondrial Dynamics in Mouse Testis Tissue**  
Arslan N. P., Keleş O. N., Gonul-Baltacı N.  
BIOLOGICAL TRACE ELEMENT RESEARCH, cilt.200, sa.4, ss.1650-1658, 2022 (SCI-Expanded)
- V. ***Tip60* might be a candidate for the acetylation of hepatic carbonic anhydrase I and III in mice**  
Gonul Baltacı N., Kocpinar E. F., Budak H.  
MOLECULAR BIOLOGY REPORTS, sa.11, ss.7397-7404, 2021 (SCI-Expanded)
- VI. **Co-production of Amylase and Protease by Locally Isolated Thermophilic Bacterium *Anoxybacillus rupiensis* T2 in Sterile and Non-sterile Media Using Waste Potato Peels as Substrate**

- Tuysuz E., Gonul-Baltaci N., Ömeroğlu M. A., Adıgüzel A., Taşkın M., Özkan H.  
WASTE AND BIOMASS VALORIZATION, sa.12, ss.6793-6802, 2020 (SCI-Expanded)
- VII. **Effect of a Prolonged Dietary Iron Intake on the Gene Expression and Activity of the Testicular Antioxidant Defense System in Rats**  
Kocpinar E. F., Gönül Baltacı N., Ceylan H., Kalın S. N., Erdoğan O., Budak H.  
BIOLOGICAL TRACE ELEMENT RESEARCH, sa.1, ss.135-141, 2020 (SCI-Expanded)
- VIII. **Examining the link between dose-dependent dietary iron intake and Alzheimer's disease through oxidative stress in the rat cortex**  
Ceylan H., Budak H., Kocpinar E. F., Baltacı N., Erdoğan O.  
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, ss.198-206, 2019 (SCI-Expanded)
- IX. **In vitro and in vivo effects of iron on the expression and activity of glucose 6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase, and glutathione reductase in rat spleen**  
Gonul B., Guler C., Ceylan H., Kalın S., Adem S., Kocpinar E. F., Erdogan O., Budak H.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, sa.1, 2019 (SCI-Expanded)
- X. **Stimulation of gene expression and activity of antioxidant related enzyme in Sprague Dawley rat kidney induced by long-term iron toxicity**  
Budak H., Kocpinar E. F., Gonul N., Ceylan H., Erol H. S., Erdoğan O.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, ss.44-50, 2014 (SCI-Expanded)
- XI. **Expression of Glucose-6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Oxidative Stress Induced by Long- Term Iron Toxicity in Rat Liver**  
BUDAK H., CEYLAN H., Kocpinar E. F., Gonul N., ERDOĞAN O.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, sa.5, ss.217-223, 2014 (SCI-Expanded)
- XII. **Impact of long term Fe<sup>3+</sup> toxicity on expression of glutathione system in rat liver**  
BUDAK H., GONUL N., Ceylan H., KOCPINAR E.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, sa.1, ss.365-370, 2014 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Microbial conversion of waste baklava syrup to biofuels and bioproducts**  
ÖMEROĞLU M. A., Gonul-Baltaci N., Arslan N. P., ADIGÜZEL A., TAŞKIN M.  
BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, cilt.42, 2022 (ESCI)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **How TrxR activity changes in an iron-overload mouse heart?**  
Altun S., Gönül Baltacı N., Budak H.  
Molecular Biology and Biotechnology Congress, Konya, Türkiye, 25 - 27 Nisan 2018, ss.228
- II. **Effects of long term iron toxicity on antioxidant related enzyme in rat spleen at gene and protein level**  
Gönül Baltacı N., Ceylan H., Koçpinar E. F., Kalın Ş. N., Erdoğan O., Budak H.  
7th International Molecular Biology and Biotechnology Congress, Konya, Türkiye, 25 - 27 Nisan 2018, ss.130
- III. **The impact of Tip60 gene on antioxidant system**  
Kocpinar E. F., Gonul N., Akkemik E., Eichele G., BUDAK H.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016, ss.407
- IV. **The role of Tip60 in the inflammation process**  
ÇAKIR Ş. N., GÖNÜL N., AKYÜZ M., BASTEM A., AKMAN O., ALBAYRAK M., GÜNDOĞDU C., EICHELE G., BUDAK H.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Türkiye, 3 - 08 Eylül 2016,

ss.358-359

**V. Oxidative Stress in Rat Cortex**

Ceylan H., Koçpınar E. F., Gönül Baltacı N., Erdoğan O., Budak H.

III. International Congress of the Molecular Biology Association, İzmir, Türkiye, 10 - 12 Ekim 2014, ss.1

**Metrikler**

Yayın: 19

Atıf (WoS): 170

Atıf (Scopus): 182

H-İndeks (WoS): 7

H-İndeks (Scopus): 8