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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-8646-2020

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Education Information

Doctorate, Fırat University, Institute Of Science, Biyoloji Ana Bilim Dalı / Moleküler Biyoloji Bilim Dalı, Turkey 2014 - 2023

Postgraduate, Fırat University, Institute Of Science, Biyoloji Ana Bilim Dalı / Moleküler Biyoloji Bilim Dalı, Turkey 2012 - 2014

Undergraduate, Fırat University, Faculty Of Science, Department Of Biology, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Project Management, TÜBİTAK 2237-B Proje Eğitimi Etkinliklerini Destekleme Programı, İnönü Üniversitesi, 2019

Health&Medicine, 13. İÜGEN Uluslararası Katılımlı Moleküler Biyoloji ve Genetik Kış Okulu, İstanbul Üniversitesi, 2016

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Fırat Üniversitesi, 2014

Health&Medicine, 10. İÜGEN Uluslararası Katılımlı Moleküler Biyoloji ve Genetik Kış Okulu, İstanbul Üniversitesi, 2013

Dissertations

Doctorate, Yeni amino asit konjugatlarının meme kanserine karşı in vitro ve in vivo etkilerinin araştırılması, Fırat University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ana Bilim Dalı, 2023

Postgraduate, Karbon Tetraklorür (CCl₄) ile Karaciğer Hasarı Oluşturulmuş Ratlarda Deve Dikeni (*Silybum marianum* L.)'nin Kaspaz-3, Kaspaz-9, Bax, Bcl-2 Proteinlerinin Ekspresyonu ve DNA Hasarı Üzerine Etkisi, Fırat University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ana Bilim Dalı, 2014

Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

Academic titles / tasks

Research Assistant PhD, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 2023 - Continues

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji, 2019 - 2023

Research Assistant, Aksaray University, Fen-Edebiyat Fakültesi, Biyoteknoloji Ve Moleküler Biyoloji Bölümü, 2014 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Royal jelly protects brain tissue against fluoride-induced damage by activating Bcl-2/NF- κ B/caspase-3/caspase-6/Bax and Erk signaling pathways in rats.**
Aslan A., Beyaz S., Gok O., Parlak G., Can M. İ., Agca C. A., Ozercan I. H., Parlak A. E.
Environmental science and pollution research international, 2023 (SCI-Expanded)
- II. **Royal jelly arranges apoptotic and oxidative stress pathways and reduces damage to liver tissues of rats by down-regulation of Bcl-2, GSK3 and NF- κ B and up-regulation of caspase and Nrf-2 protein signalling pathways.**
Aslan A., Gok O., Beyaz S., Parlak G., Can M. İ., Gundogdu R., Baspinar S., Ozercan I. H., Parlak A. E.
Biomarkers : biochemical indicators of exposure, response, and susceptibility to chemicals, vol.28, pp.1-10, 2022 (SCI-Expanded)
- III. **A new approach on the regulation of NF- κ B and Bax protein signaling pathway activation by royal jelly in fluoride-induced pancreas damage in rats.**
Aslan A., Can M. İ., Beyaz S., Gok O., Parlak G., Gundogdu R., Ozercan I. H., Erman O.
Tissue & cell, vol.79, pp.101913, 2022 (SCI-Expanded)
- IV. **Protective effect of royal jelly on fluoride-induced nephrotoxicity in rats via the some protein biomarkers signaling pathways: A new approach for kidney damage.**
Aslan A., Beyaz S., Gok O., Can M. İ., Parlak G., Gundogdu R., Ozercan I. H., Baspinar S.
Biomarkers : biochemical indicators of exposure, response, and susceptibility to chemicals, pp.1-14, 2022 (SCI-Expanded)
- V. **Royal jelly regulates the caspase, Bax and COX-2, TNF- α protein pathways in the fluoride exposed lung damage in rats.**
Aslan A., Gok O., Beyaz S., Can M. İ., Parlak G., Gundogdu R., Ozercan I. H., Baspinar S.
Tissue & cell, vol.76, pp.101754, 2022 (SCI-Expanded)
- VI. **Royal jelly abrogates flouride-induced oxidative damage in rat heart tissue by activating of the Nrf-2/NF- κ B and Bcl-2/Bax pathway.**
Aslan A., Beyaz S., Gok O., Can M. I., Parlak G., Ozercan I. H., Gundogdu R.
Toxicology mechanisms and methods, vol.31, pp.644-654, 2021 (SCI-Expanded)
- VII. **The inducing of caspase and Bcl-2 pathway with royal jelly decreases the muscle tissue damage exposed with fluoride in rats.**
Aslan A., Can M. İ., Gok O., Beyaz S., Parlak G., Ozercan I. H.
Environmental science and pollution research international, 2021 (SCI-Expanded)
- VIII. **The impact of ellagic acid on some apoptotic gene expressions: a new perspective for the regulation of pancreatic Nrf-2/NF-kappa B and Akt/VEGF signaling in CCl4-induced pancreas damage in rats**
Aslan A., Beyaz S., Gok O., Can M. İ., Erman F., Erman O.
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.43, no.2, pp.145-152, 2021 (SCI-Expanded)
- IX. **The protective effects of epigallocatechin-3-gallate (EGCG) on hydrogen peroxide-induced oxidative damages in Saccharomyces cerevisiae**
Beyaz S., Gok O., CAN M. İ., Aslan A.
PROGRESS IN NUTRITION, vol.23, no.2, 2021 (SCI-Expanded)
- X. **Protein expression product alterations in Saccharomyces cerevisiae**
Aslan A., Can M. İ.
PROGRESS IN NUTRITION, vol.19, no.1, pp.81-85, 2017 (SCI-Expanded)
- XI. **Milk thistle may induce apoptosis in development of carbontetrachloride-induced liver DNA damage in rats**

- Aslan A., CAN M. İ., Kuloğlu T., Başpınar S.
PROGRESS IN NUTRITION, vol.18, no.2, pp.146-151, 2016 (SCI-Expanded)
- XII. **Black cumin may be a potential drug for development of carbontetrachloride-induced lung damage in rats**
Aslan A., Boydak D., CAN M. İ., Kuloğlu T., Başpınar S.
PROGRESS IN NUTRITION, vol.18, no.1, pp.56-62, 2016 (SCI-Expanded)
- XIII. **The inhibition of chromium effect in Saccharomyces cerevisiae thrive from grapefruit**
Aslan A., CAN M. İ.
PROGRESS IN NUTRITION, vol.17, no.4, pp.339-343, 2015 (SCI-Expanded)
- XIV. **The effect of orange juice against to H₂O₂ stress in Saccharomyces cerevisiae**
Aslan A., CAN M. İ.
PROGRESS IN NUTRITION, vol.17, no.3, pp.250-254, 2015 (SCI-Expanded)
- XV. **Nigella sativa improves the carbon tetrachloride-induced lung damage in rats through repression of erk/akt pathway**
Aslan A., Boydak D., CAN M. İ., Kuloğlu T.
BANGLADESH JOURNAL OF PHARMACOLOGY, vol.10, no.3, pp.654-659, 2015 (SCI-Expanded)
- XVI. **Milk thistle impedes the development of carbontetrachloride-induced liver damage in rats through suppression of bcl-2 and regulating caspase pathway**
Aslan A., Can M. İ.
LIFE SCIENCES, vol.117, no.1, pp.13-18, 2014 (SCI-Expanded)
- XVII. **ANTI-OXIDANT EFFECTS OF POMEGRANATE JUICE ON SACCHAROMYCES CEREVISIAE CELL GROWTH**
Aslan A., Can M. İ., Boydak D.
AFRICAN JOURNAL OF TRADITIONAL COMPLEMENTARY AND ALTERNATIVE MEDICINES, vol.11, no.4, pp.14-18, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Epigenetik Mekanizmalar ve Bazı Güncel Çalışmalar**
CAN M. İ., Aslan A.
KARAELEMAS FEN VE MÜHENDİSLİK DERGİSİ, no.6, pp.445-452, 2016 (Peer-Reviewed Journal)
- II. **Yaşlanmanın Moleküler Temelleri**
CAN M. İ., Aslan A.
ERCİYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, no.30, pp.107-112, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF PROTECTIVE EFFECTS OF NOVEL AMINO ACID CONJUGATES AGAINST BREAST CANCER**
CAN M. İ., ASLAN A., GÖRGÜLÜ A. O., ÖZERCAN İ. H., KORAN K., AĞCA C. A., USLU H.
LATIN AMERICA 4th INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Mexico City, Mexico, 05 November 2022
- II. **The Effect of Royal Jelly on the Expression of Some Apoptotic Protein Markers**
GÖK Ö., Beyaz S., Parlak G., CAN M. İ., ASLAN A.
3rd International African Conference on Current Studies, Benin, 27 February 2021
- III. **The Effect of Royal Jelly on Some Protein Signaling Pathways Against Fluoride-Induced Kidney Damage in Rats**
BEYAZ S., GÖK Ö., PARLAK G., CAN M. İ., ASLAN A.
III. International Icontech Symposium on Innovative Surveys in Positive Sciences, Morocco, 28 January 2021
- IV. **The Effect of Royal Jelly on Bax, Bcl-2, Caspase-3, and Caspase-6 Protein Signaling Pathways in Rats**

with Muscle Damage with Fluoride

GÖK Ö., Beyaz S., Parlak G., CAN M. İ., ASLAN A.

International Eurasian Conference on Biotechnology and Biochemistry, 16 - 18 December 2020

- V. **The Effect of Royal Jelly on Some Protein Signal Pathways Against Heart Damage Exposed by Fluoride in Rats**
Beyaz S., GÖK Ö., Parlak G., CAN M. İ., ASLAN A.
9. International Molecular Biology and Biotechnology Congress, 6 - 10 December 2020
- VI. **The Investigation of the Effect of Royal Jelly Against Liver Damage Through Some Protein Signaling Pathways**
GÖK Ö., Beyaz S., Parlak G., CAN M. İ., ASLAN A.
9. International Molecular Biology and Biotechnology Congress, 6 - 10 December 2020
- VII. **Florür ile Oluşturulan Pankreas Hasarına Karşı Arı Sütünün Koruyucu Etkilerinin Moleküler Biyolojik Yönden Araştırılması**
Beyaz S., Gök Ö., Parlak G., CAN M. İ., ASLAN A.
4. Ulusal İmmünoterapi ve Onkoloji Kongresi, Turkey, 29 October - 01 November 2020
- VIII. **The Effect of Royal Jelly on Bax / Bcl-2 Protein Signaling Pathways Against Fluoride-Induced Brain Damage in Rats**
Beyaz S., Gök Ö., Parlak G., CAN M. İ., ASLAN A.
2nd International Congress of Medical Sciences, and Biotechnology, 1 - 03 October 2020
- IX. **Ratlarda Karbon Tetraklorür ile Oluşturulan Karaciğer Hasarına Karşı Deve Dikeni (Silybum marianum L.)'nin, Koruyucu Etkisinin TUNEL Yöntemi ile Tespit Edilmesi**
CAN M. İ., Aslan A., Kuloğlu T.
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015, pp.144
- X. **Karbon Tetraklorür ile Akciğer Hasarı Oluşturulmuş Ratlarda Çörek Otu (Nigella sativa L.)'nin, TUNEL Metodu ile Belirlenen Apoptozis Düzeyine Etkisi**
Boydak D., CAN M. İ., Aslan A., Kuloğlu T.
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015, pp.92
- XI. **Limon Suyu Saccharomyces cerevisiae'de Krom Hasarını Azaltır mı?**
CAN M. İ., Aslan A.
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015, pp.143
- XII. **Karbon tetraklorür (CCl4) ile Karaciğer Hasarı Oluşturulmuş Ratlarda Deve Dikeni (Silybum marianum L.)'nin Kaspaz-3, Kaspaz-9, Bax, Bcl-2 Proteinlerinin Ekspresyonu ve DNA Hasarı Üzerine Etkisi**
CAN M. İ., Aslan A., Kuloğlu T.
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.1341
- XIII. **The Effect of Nigella sativa L. on the Caspase 3 Caspase 9 Erk Akt Protein Expression and DNA Damage in Rats with Carbon Tetrachloride CCl4 Induced Lung Damage**
Aslan A., Boydak D., CAN M. İ., Kuloğlu T.
3rd International Congress of Molecular Biology and Biotechnology, Saraybosna, Bosnia And Herzegovina, 2 - 06 June 2014

Scientific Refereeing

Bulletin Of Biotechnology, National Scientific Refreed Journal, May 2023

Cumhuriyet Science Journal, National Scientific Refreed Journal, May 2021

Metrics

Publication: 34

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Citation (Scopus): 64

H-Index (WoS): 6

H-Index (Scopus): 5

Awards

CAN M. İ., The effect of orange juice against to H₂O₂ stress in *Saccharomyces cerevisiae*, ULAKBİM UBYT Programı Yayın Teşviği, February 2015

CAN M. İ., The inhibition of chromium effect in *Saccharomyces cerevisiae* thrive from grapefruit, ULAKBİM UBYT Programı Yayın Teşviği, January 2015

CAN M. İ., Milk thistle impedes the development of carbontetrachloride-induced liver damage in rats through suppression of bcl-2 and regulating caspase pathway, ULAKBİM UBYT Programı Yayın Teşviği, January 2014