

MUSTAFA KIRÇA

RES. ASST.

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Publons / Web Of Science ResearcherID: AAA-5998-2021

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Learning Knowledge

Doctorate

2013 - 2019

Akdeniz University, Institute Of Health Sciences , Medical Biochemistry (PhD),
Turkey

Certificates, Courses and Trainings

Health&Medicine, Tibbi Uygulamalarda in silico Simülasyon Teknikleri Çalıştayı, Atatürk Üniversitesi, 2021

Quality Management, Kalite Yönetim Sistemi, Kütahya Sağlık Bilimleri Üniversitesi, 2021

Health&Medicine, Uluslararası Katılımlı VI. Türkiye in vitro Diyagnostik (IVD) Sempozyumu, Türk Biyokimya Derneği,
2021

Health&Medicine, Endokrin Bozucular ve Çocuk Sağlığı, Lokman Hekim Üniversitesi , 2020

Vocational Training, TÜBİTAK-1001 ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, Akdeniz University, 2013

Vocational Course, I. HÜCRE ÖLÜMÜ ARAŞTIRMA TEKNİKLERİ TEORİK KURSU, CELL DEATH RESEARCH SOCIETY, 2011

Vocational Training, DENEY HAYVANLARI KULLANIM SERTİFİKASI (KATEGORİ B), Akdeniz Üniversitesi, 2011

Vocational Training, GIDA İŞLETMELERİNDE SORUMLU YÖNETİCİLİK, Trabzon Chemists Association, 2009

Dissertations

Postgraduate, THE INVESTIGATION OF THE RELATIONSHIP BETWEEN AT1R ACTIVATION AND EGFR
TRANSACTIVATION IN VASCULAR SMOOTH MUSCLE CELLS INDUCED BY EPIDERMAL GROWTH FACTOR AND
ANGIOTENSIN II, Akdeniz Üniversitesi, Medical Biochemistry, 2013

Academic Titles / Tasks

Research Assistant PhD

2015 - Continues

Kütahya Health Sciences University, Tıp Fakültesi, Temel Tıp Bilimleri

Research Assistant

2010 - 2015

Akdeniz University, Faculty Of Medicine, Temel Tıp Bilimleri Bölümü

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Angiotensin II reduces glyoxalase 1 activity and expression in vascular smooth muscle cells: Implications for diabetic vascular complications**
Kırça M., YEŞİLKAYA A.
Cell Biochemistry and Function, vol.41, no.8, pp.1430-1441, 2023 (SCI-Expanded)
2. **Methylglyoxal enhances the proliferation of vascular smooth muscle cells via Akt phosphorylation**
KIRÇA M.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.42, no.6, pp.567-572, 2022 (SCI-Expanded)
3. **Methylglyoxal stimulates endoplasmic reticulum stress in vascular smooth muscle cells.**
Kırça M., Yeşilkaya A.
Journal of receptor and signal transduction research, vol.42, no.3, pp.279-284, 2022 (SCI-Expanded)
4. **Antiandrogen abiraterone and docetaxel treatments affect Notch1, Jagged1 and Hes1 expressions in metastatic prostate cancer cells**
Soylu H., Kırca M., Avcı S., Ozpolat B., Üstünel İ.
Experimental and Molecular Pathology, vol.119, 2021 (SCI-Expanded)
5. **Losartan inhibits EGFR transactivation in vascular smooth muscle cells**
Kırca M., YEŞİLKAYA A.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, no.6, pp.1364-1371, 2018 (SCI-Expanded)
6. **Effect of uric acid on inflammatory COX-2 and ROS pathways in vascular smooth muscle cells**
Oğuz N., KIRÇA M., Çetin A., YEŞİLKAYA A.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.37, no.5, pp.500-505, 2017 (SCI-Expanded)
7. **Uric acid stimulates proliferative pathways in vascular smooth muscle cells through the activation of p38 MAPK, p44/42 MAPK and PDGFR beta**
KIRÇA M., Oğuz N., Çetin A., Uzuner F., YEŞİLKAYA A.
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.37, no.2, pp.167-173, 2017 (SCI-Expanded)
8. **The role of AT1 receptor, Ras and NAD(P)H oxidase on p38 MAPK phosphorylation by angiotensin II stimulation in primary cultured vascular smooth muscle cells**
Çağlar S., Çetin A., Tokay A., Uzuner F., Kırça M., Yeşilkaya A.
Turkish Journal Of Biochemistry-Türk Biyokimya Dergisi, vol.37, no.4, pp.407-416, 2012 (SCI-Expanded)

Articles Published in Other Journals

1. **Anjiyotensin II'nin Yüksek Glukozlu Ortamda Vasküler Düz Kas Hücre Proliferasyonuna Etkisi**
KIRÇA M.
Kocatepe Tıp Dergisi, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Diyabete Biyokimyasal Bakış**
KIRÇA M.
in: Diyabete Multidisipliner Yaklaşım, Filiz Özyiğit, Editor, Akademisyen Kitabevi, Kütahya, pp.31-48, 2020
2. **Hipertansiyonda Ürik Asitin Rolü**
KIRÇA M.
in: Hipertansiyona Multidisipliner Yaklaşım, Filiz Özyiğit, Editor, Akademisyen Kitabevi, Ankara, pp.63-72, 2020

Refereed Congress / Symposium Publications in Proceedings

1. **Telmisartan and irbesartan alleviate methylglyoxal-induced elevation of MG-H1 in VSMCs**
KIRÇA M.

XXVII. BALKAN CLINICAL LABORATORY FEDERATION MEETING BCLF 2019 XXX. NATIONAL CONGRESS OF THE TURKISH BIOCHEMICAL SOCIETY TBS 2019, Antalya, Turkey, 27 - 31 October 2019, vol.44, pp.62-63

2. **Methylglyoxal induces Glyoxalase 1 expression in high glucose but not in low glucose media in vascular smooth muscle cells**

KIRÇA M.

2nd Eurasia Biochemical Approaches Technologies (EBAT) Congress, Antalya, Turkey, 26 - 29 October 2019, pp.20

3. **İN VITRO KOŞULLARDA DOSETAKSEL VE ABİRATERON ASETAT UYGULAMASININ İNSAN PROSTAT KANSER HÜCRELERİNDEKİ NOTCH1, JAGGED1 VE HES1 EKSPRESYONLARINA ETKİSİ**

SOYLU H., KIRÇA M., KARAÇOR K., BEYAZÇİÇEK E., Özpolat B., ÜSTÜNEL İ.

1st INTERNATIONAL HEALTH SCIENCE and LIFE CONGRESS (IHSLC 2018), 2 - 05 May 2018

4. **Effects of Abirateron Acetate and Docetaxel Therapy on Notch1, Jagged1 and Hes1 Expressions in Human Prostate Cancer Cell Lines**

SOYLU H., KIRÇA M., AVCI S., KILINÇ L., ÜNLÜ Ö. Ö., ACAR N., YEŞİLKAYA A., ÜSTÜNEL İ.

15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 - 21 May 2017

5. **HIGH GLUCOSE ENHANCES THE PROLIFERATION OF VASCULAR SMOOTH MUSCLE CELLS AND ANGIOTENSIN-II INDUCED P44/42 MAPK AND P38 MAPK PHOSPHORYLATIONS**

ÇETİN A., KIRÇA M., UZUNER F., AVCIL Z., YEŞİLKAYA A., ÖZTÜRK O. H.

23RD MEETING OF THE BALKAN CLINICAL LABORATORY FEDERATION, Sarajevo, Bosnia And Herzegovina, 7 - 09 October 2015, vol.22, pp.34-35

6. **Uric acid and Ang II induced p44/42 MAPK and p38 MAPK phosphorylations in vascular smooth muscle cells. A preliminary study**

OĞUZ N., UZUNER F., ÇETİN A., KIRÇA M., YEŞİLKAYA A.

The 5th Embo Meeting, Amsterdam, Netherlands, 21 - 24 September 2013, pp.213

Mobility Activity

Erasmus Programme, Research During Graduate Education, Katholieke Universiteit Leuven, Belgium, 2012 - 2013

Metrics

Publication: 18

Citation (WoS): 32

Citation (Scopus): 81

H-Index (WoS): 2

H-Index (Scopus): 4

Congress and Symposium Activities

Second International Congress On Biological And Health Sciences, Invited Speaker, Afyonkarahisar, Turkey, 2022

1. KÖK HÜCRE VE HÜCRESEL TEDAVİ SEMPOZYUMU, Working Group, Kütahya, Turkey, 2019

SAĞLIK VE TIP ALANINDA BİLİMSEL ARAŞTIRMALAR, Working Group, Antalya, Turkey, 2018

COST ACTION CM1201 BIOMIMETIC RADICAL CHEMISTRY, Working Group, Antalya, Turkey, 2014

Research Areas

Biochemistry