Lect. ÖMER FARUK KIRLANGIÇ

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey 2021 - Continues
Postgraduate, University Of Health Sciences, Gülhane School Of Medıcıne, Department Of Basıc Medıcal Scıences (Medıcıne), Turkey 2019 - 2020

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Boraks'ın kolorektal kanser hücre hattı (DLD-1) üzerine etkisinin belirlenmesi ve 5-fluorouracil ile sinerjistik etkilerinin araştırılması, University Of Health Sciences, Gülhane Tıp Fakültesi, 2020

Research Areas

Medicine, Health Sciences, Biochemistry

Academic Titles / Tasks

Lecturer, Ankara University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2023 - Continues

Courses

MICROBIOLOGY, Associate Degree, 2022 - 2023
Basic Biochemistry, Associate Degree, 2022 - 2023
MEDICAL MICROBIOLOGY LABORATORY, Associate Degree, 2022 - 2023
Mesleki Uygulama, Associate Degree, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Palladium Metal Nanocomposites Based on PEI-Functionalized Nitrogen-Doped Graphene Quantum Dots: Synthesis, Characterization, Density Functional Theory Modeling, and Cell Cycle Arrest Effects on Human Ovarian Cancer Cells**
Gunes B. A., Kırlangıç Ö. F., Kılıç M., Sunguroğlu A., Ozgurtas T., Sezginer E. K., Boyacıoğlu B., Ünver H., Yıldız M.
ACS OMEGA, no.11, pp.13342-13358, 2024 (SCI-Expanded)

II. **Vascular endothelial growth factor (VEGF)-C and its receptors, soluble VEGFR-2 and VEGFR-3, in polycystic ovary syndrome**
Ozen F. Z., KAYA SEZGİNER E., KIRLANGIÇ Ö. F., Taskomur A. T., AKTAN F., Kaplan G., Ozgurtas T.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, 2024 (SCI-Expanded)

III. **Dual Strategy with Adipose-derived Stem Cells and L-arginine Recovered Cavernosal Functions in a Rat Model of Radical Prostatectomy.**
Yilmaz-Oral D., Sezen S. F., Turkcan D., Asker H., Kaya-Sezginer E., Kirlangic Ö. F., Kopru C. Z., Elci M. P., Ozen F. Z., Korkusuz P., et al.
Stem cells and development, 2023 (SCI-Expanded)

IV. **Combined levothyroxine and testosterone treatment for restoring erectile dysfunction in propylthiouracil-induced hypothyroid rats**
Korkmaz F. N., Yilmaz-Oral D., Asker H., Guven B., Turkcan D., Kirlangic Ö. F., Oztekin C. V., Çorapçıoğlu D., Demir Ö., Ates İ., et al.
JOURNAL OF SEXUAL MEDICINE, vol.20, no.6, pp.732-741, 2023 (SCI-Expanded)

V. **Sodium butyrate ameliorates erectile dysfunction through fibrosis in a rat model of partial bladder outlet obstruction**
Kaya Sezginer E., Yılmaz Oral D., Kirlangic Ö. F., Yilmaz S., Ozen F. Z., Asan M., Gür S.
ANDROLOGY, vol.10, no.7, pp.1441-1453, 2022 (SCI-Expanded)

VI. **Beneficial Effects of Human Umbilical Cord Blood Mononuclear Cells on Persistent Erectile Dysfunction After Treatment of 5-Alpha Reductase Inhibitor in Rats**
Oztekin C. V., Yılmaz Oral D., Kaya Sezginer E., Kirlangic Ö. F., Ozen F. Z., Ozdal B., Topcu H. O., Gür S.
JOURNAL OF SEXUAL MEDICINE, vol.18, no.5, pp.889-899, 2021 (SCI-Expanded)

VII. **The Effects of Androgens on Cardiometabolic Syndrome: Current Therapeutic Concepts**
Kirlangic Ö. F., Yılmaz Oral D., Kaya Sezginer E., Toktanis G., Tezgelen A. S., Sen E., Khanam A., Oztekin C. V., Gür S.
SEXUAL MEDICINE, vol.8, no.2, pp.132-155, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Apoptosis inducing effect of sodium butyrate and cisplatin alone or in combination on SH-SY5Y human neuroblastoma cells**
Kaya Sezginer E., Kırlangıç Ö. F., Karakaya C., Oren S., Fatsa T., Özgürtaş T.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.7, pp.329-338, 2023 (Scopus)

II. **Cytotoxic and Apoptotic Effects of the Combination of Borax (Sodium Tetraborate) and 5-Fluorouracil on DLD-1 Human Colorectal Adenocarcinoma Cell Line**
Kırlangıç Ö. F., Kaya Sezginer E., Ören S., Gür S., Yavuz Ö., Özgürtaş T.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.4, pp.371-376, 2022 (ESCI)

III. **Analysis of Changes in Serum Levels and Gene Expression Profiles of Novel Adipocytokines (Omentin, Vaspin, Irisin and Visfatin) and Their Correlation with Serum C-reactive Protein Levels in Women Diagnosed with Endometriosis**
Kaya Sezginer E., Kırlangıç Ö. F., Eşkin Tanrıverdi M. D., Topçu H. O., Gür S.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.1, pp.48-53, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **THE PROTECTIVE EFFECTS OF MORIN OR TARAXASTEROL AGAINST THE CYTOTOXIC EFFECTS OF CISPLATIN/DOXORUBICIN IN MOUSE GC-1 SPERMATOGONIA CELLS**
KAYA SEZGİNER E., KIRLANGIÇ Ö. F., ÖZGÜRTAŞ T., KARAKAYA C.
TBS International Biochemistry Congress 2023 - 34th NationalBiochemistry Congress, Muğla, Turkey, 29 October - 01 November 2023, vol.48

II. **The effect of caffeic acid phenethyl ester (CAPE) on the viability, apoptosis, and vascular endothelial growth factor (VEGF)-A and VEGF-B gene expression in human umbilical vein endothelial cells**
Kaya Sezginer E., Kırlangıç Ö. F., Özgürtaş T.
6th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 11 - 13 October 2023, pp.266

III. **Circulating levels of soluble vascular endothelial growth factor receptor-2 (sVEGFR-2) are elevated in women with polycystic ovary syndrome**
Özen F. Z., Kaya Sezginer E., Kırlangıç Ö. F., Tekeli Taskomur A., Aktan F., Kaplan G., Özgürtaş T.
1st International Congress on Solutions in Science , İzmir, Turkey, 11 - 13 September 2023, pp.1

IV. **DECREASED SERUM LEVEL OF AUTOTAXIN IN PATIENTS WITH POLYCYSTIC OVARY SYNDROME**
Kaya Sezginer E., Kırlangıç Ö. F., Özen F. Z., Tekeli Taşkömür A.
International Multidisciplinary Symposium on Drug Research and Development (DRD) 2023, İzmir, Turkey, 4 - 06 May 2023, pp.1

V. **THE EFFECT OF BORIC ACID ON HIGH GLUCOSE-INDUCED HUMAN RETINAL PIGMENT EPITHELIAL ARPE-19 CELLS**
Kırlangıç Ö. F., Kaya Sezginer E.
6th INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2023), Burdur, Turkey, 2 - 05 March 2023

VI. **ANTICANCER EFFECTS OF SODIUM BUTYRATE COMBINED WITH CISPLATIN IN HUMAN NEUROBLASTOMA SH-SY5Y CELLS**
KAYA SEZGİNER E., KIRLANGIÇ Ö. F., KARAKAYA C., ÖZGÜRTAŞ T.
2nd International Cancer Research Congress, Giresun, Turkey, 21 - 24 July 2022

VII. **Anticancer Effects of Sodium Butyrate Combined With Cisplatin in Human Neuroblastoma Sh-Sy5y Cells**
Kaya Sezginer E., Kırlangıç Ö. F., Karakaya C., Özgürtaş T.
2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 - 24 July 2022

VIII. **Dual Strategy with Intracavernosal Implantation of Adipose-derived Stem Cells and Daily Oral L-arginine Optimize Recovery of and Cavernosal Functions after Cavernous Nerve Injury in Rats**
YILMAZ ORAL D., ASKER H., KAYA SEZGİNER E., KIRLANGIÇ Ö. F., ÖZEN F. Z., GÜR S.
22nd Annual Fall Scientific Meeting of SMSNA, United States Of America, 21 October 2021

IX. **Recovery of erectile dysfunction after administration of hydrogen sulfide donor sodium hydrogen sulfide and transplantation of adipose-derived stem cells in rats with bilateral cavernous nerve injury**
ASKER H., YILMAZ ORAL D., KIRLANGIÇ Ö. F., GÜR S.
World Meeting on Sexual Medicine, Japan, 19 - 21 November 2021

X. **Treatment with levothyroxine and testosterone ameliorated erectile dysfunction in a rat model of propylthiouracil-induced hypothyroidism**
YILMAZ ORAL D., ASKER H., GÜVEN B., KIRLANGIÇ Ö. F., ÖZTEKİN Ç. V., GÜR S.
22nd Annual Fall Scientific Meeting of SMSNA, United States Of America, 24 October 2021

XI. **Treatment with levothyroxine and testosterone ameliorated erectile dysfunction in rat model of propylthiouracil-induced hypothyroidism**
KORKMAZ F., YILMAZ ORAL D., ASKER H., GÜVEN B., TÜRKCAN D., KIRLANGIÇ Ö. F., ÖZTEKİN Ç. V., GÜR S.
22nd Annual Fall Scientific Meeting of SMSNA, Scottsdale, United States Of America, 21 - 24 October 2021, vol.19, pp.30-31

XII. **The effect of histone deacetylase inhibitor sodium butyrate treatment on erectile dysfunction in rats**

with partial bladder outlet obstruction
KAYA SEZGİNER E., YILMAZ ORAL D., KIRLANGIÇ Ö. F., YILMAZ S., ÖZEN F. Z., Aşan M., GÜR S.
TBS International Biochemistry Congress, Gaziantep, Turkey, 27 - 30 October 2021

XIII. **The effect of histone deacetylase inhibitor sodium butyrate treatment on erectile dysfunction in rats with partial bladder outlet obstruction**
KAYA SEZGİNER E., YILMAZ D., Kırlangıç Ö. F., YILMAZ S., ÖZEN F. Z., Aşan M., GÜR S.
TBS International Biochemistry Congress 2021, Gaziantep, Turkey, 27 - 30 October 2021, vol.46, pp.33

XIV. **Cytotoxic and Apoptotic Effects of the Combination of Borax (Sodium Tetraborate) and 5-Fluorouracil on DLD-1 Human Colorectal Adenocarcinoma Cell Line**
KIRLANGIÇ Ö. F., KAYA SEZGİNER E., GÜR S., YAVUZ Ö., ÖZGÜRTAŞ T.
XXXI. National Congress of the Turkish Biochemical Society 2020, Turkey, 18 December 2020

XV. **Effects of Fulvic Acid on Different Cancer Cell Lines**
Aydın K., Dalgıç S., Karaman M., Kırlangıç Ö. F., Yıldırım H.
The 2nd International Conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 8 - 11 November 2017

Supported Projects

Kırlangıç Ö. F., Kaya Sezginer E., Özen F. Z., Tekeli Taşkömür A., Çalışkan S., Kemal Y., Project Supported by Higher Education Institutions, Over ve Uterus Kökenli Kanserlerde Yeni Adipositokin Kimerinin İmmünohistokimyasal Olarak Değerlendirilmesi, Moleküler İncelenmesi ve Ayrıcı Tanıdaki Yeri, 2022 - 2024

Kırlangıç Ö. F., Kaya Sezginer E., Özen F. Z., Pirhan Y., Project Supported by Higher Education Institutions, İnvaziv ve noninvaziv meme karsinomlarında ototaksinin (autotaxin/ENPP2) serum ve gen ekspresyon düzeylerinin incelenmesi, immünohistokimyasal olarak değerlendirilmesi ve grade ile ilişkilendirilmesi, 2022 - 2024

Kırlangıç Ö. F., Kaya Sezginer E., Özen F. Z., Project Supported by Higher Education Institutions, Polikistik over sendromlu (PKOS) kadınlarda ototaksinin (autotaxin/ENPP2) serum ve gen ekspresyon düzeylerinin incelenmesi ve inflamasyon parametreleri ile ilişkilendirilmesi, 2022 - 2024

Kırlangıç Ö. F., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Sağlık Bakanlığı ve TÜSEB Koordinasyonunda Çalışacak COVID-19 Tanı ve Tarama Merkezlerinin Kurulması, 2020 - 2022

Tasks In Event Organizations

Kırlangıç Ö. F., Öğretmenlerin Gözüyle Cumhuriyetin 100. Yılında Eğitim Sempozyumu, Scientific Congress, Ankara, Turkey, Aralık 2023