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Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr) (Eczacılık),

Turkey 2012 - 2016

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2007 - 2012

Dissertations

Doctorate, Parsiyel mesane çıkış obstrüksiyonlu sıçanlarda inflamasyon ve oksidatif stres mekanizmaları, Ankara University, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr) (Eczacılık), 2016

Research Areas

Pharmacology and Therapeutics

Academic Titles / Tasks

Research Assistant, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vascular endothelial growth factor (VEGF)-C and its receptors, soluble VEGFR-2 and VEGFR-3, in polycystic ovary syndrome**
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- VII. 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**
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- VIII. Beneficial Effects of Human Umbilical Cord Blood Mononuclear Cells on Persistent Erectile Dysfunction After Treatment of 5-Alpha Reductase Inhibitor in Rats**
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- XVI. **Administration of human umbilical cord blood mononuclear cells restores bladder dysfunction in streptozotocin-induced diabetic rats**
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- XXI. **MIRABEGRON ELICITS RECOVERY OF ERECTILE FUNCTION IN A RAT MODEL OF STREPTOZOTOCIN-INDUCED DIABETES**
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- XXII. **The Cellular Uptake and Apoptotic Efficiency of Colchicine is Correlated with Down-regulation of MMP-9 mRNA Expression in SW480 Colon Cancer Cells**
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Bastaskin T., Kaya E., ÖZAKCA GÜNDÜZ I., Yilmaz D., Bayatli N., Akdemir A. O., GÜR S.
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- XXVII. **Aging and sexual health: getting to the problem**
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- XXVIII. **Intracavernous Injection of Human Umbilical Cord Blood Mononuclear Cells Improves Erectile**

Dysfunction in Streptozotocin-Induced Diabetic Rats

Cengiz T., Kaya E., Oral D. Y., ÖZAKCA GÜNDÜZ I., Bayatlı N., KARABAY A. Z., Ensari T. A., KARAHAN S. T., Yilmaz E., GÜR S.

JOURNAL OF SEXUAL MEDICINE, vol.14, no.1, pp.50-58, 2017 (SCI-Expanded)

- XXIX. **Pomegranate juice causes a partial improvement through lowering oxidative stress for erectile dysfunction in streptozotocin-diabetic rat**

Onal E., Yilmaz D., Kaya E., Bastaskin T., Bayath N., GÜR S.

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- XXX. **A Comprehensive Review of Metabolic Syndrome Affecting Erectile Dysfunction**

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- I. **COENZYME Q0 INHIBITS CELL PROLIFERATION AND MODULATES MAPK AND AKT SIGNALLING PATHWAYS IN HUMAN CHRONIC MYELOID LEUKEMIA K562 CELLS KOENZİM Q0 İNSAN KRONİK MYELOİD LÖSEMİ K562 HÜCRELERİNİN PROLİFERASYONUNU ENGELLER VE MAPK VE AKT SİNYAL YOLAKLARINI MODÜLE EDER**

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Ankara Üniversitesi Eczacılık Fakultesi Dergisi, vol.47, no.3, 2023 (Scopus)

- II. **Apoptosis inducing effect of sodium butyrate and cisplatin alone or in combination on SH-SY5Y human neuroblastoma cells**

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JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.7, pp.329-338, 2023 (Scopus)

- III. **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)

- IV. **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)

- V. **Effects of colchicine on cell cycle arrest and MMP-2 mRNA expression in MCF-7 breast adenocarcinoma cells Kolçisin'in MCF-7 insan meme adenokarsinoma hücrelerinde hücre döngüsü tutulumu ve MMP-2 mRNA ifade seviyesi üzerine etkisi**

BAKAR ATEŞ F., ÖZMEN N., KAYA SEZGİNER E., KURT E. E.

Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.75, no.3, pp.239-244, 2018 (Scopus)

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.

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- II. **Evaluation of serum and peritoneal fluid mannose-binding lectin associated serine protease-3, adipsin, properdin, and complement factor H levels in endometriosis patients**
Eşkin Tanrıverdi M. D., Kaya Sezginer E., Erol Koç E. M., Moraloğlu Tekin Ö.
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- IV. **DECREASED SERUM LEVEL OF AUTOTAXIN IN PATIENTS WITH POLYCYSTIC OVARY SYNDROME**
Kaya Sezginer E., Kirlangıç Ö. F., Özen F. Z., Tekeli Taşkömür A.
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- V. **THE EFFECT OF BORIC ACID ON HIGH GLUCOSE-INDUCED HUMAN RETINAL PIGMENT EPITHELIAL ARPE-19 CELLS**
Kirlangıç Ö. F., Kaya Sezginer E.
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- VI. **Anticancer Effects of Sodium Butyrate Combined With Cisplatin in Human Neuroblastoma Sh-Sy5y Cells**
Kaya Sezginer E., Kirlangıç Ö. F., Karakaya C., Özgürtaş T.
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- VII. **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**
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- XI. **THE COMBINATION TREATMENT WITH SODIUM HYDROSULFIDE AND TADALAFIL RESTORES BLADDER FUNCTION IN A RAT MODEL OF PARTIAL BLADDER OUTLET OBSTRUCTION VIA MODULATION OF HYDROGEN SULFIDE/ NITRIC OXIDE PATHWAY**
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- XII. **Semi-Rapid Maxillary Expansion Orthodontic Treatment Decreased Kallikrein-1 Levels in Children with Obstructive Sleep Apnea Syndrome**
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- XVI. **THE BENEFICIAL EFFECTS OF COMBINED TREATMENT OF SODIUM HYDROGEN SULFIDE AND TADALAFIL ON ERECTILE FUNCTION IN A RAT MODEL OF PARTIAL BLADDER OUTLET OBSTRUCTION**
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XXVII. THE BENEFICIAL EFFECT OF INTRACAVERNOSAL FESOTERODINE COMPETITIVE MUSCARINIC RECEPTOR ANTAGONIST ON ERECTILE DYSFUNCTION OF DIABETIC RATS

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20TH ANNUAL FALL SCIENTIFIC MEETING OF SMSNA, Miami, United States Of America, 20 - 23 November 2014

XXX. The fatty acid composition of type 1 diabetic patients in Turkish population and its relation with glycosylated hemoglobin

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Supported Projects

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