

## Asst. Prof. ECEM KAYA SEZGİNER



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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 çıkım 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

- Design, Synthesis, and Biological Evaluation of New Benzimidazole-1,2,4-Triazole Derivatives as Potential Anticancer Agents**  
KAYA SEZGİNER E., ÖZ BEDİR B. E., TERZİ E., ÖZDEMİR SANCI T., Maryam Z., Cevik U. A.  
CHEMICAL BIOLOGY & DRUG DESIGN, vol.104, no.6, 2024 (SCI-Expanded)
- 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, no.2, pp.266-273, 2024 (SCI-Expanded)
- 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., Kirlangıç Ö. F., Kılıç M., Sunguroğlu A., Ozgurtas T., Sezginer E., Boyacıoğlu B., Ünver H., Yıldız M.  
ACS OMEGA, no.11, pp.13342-13358, 2024 (SCI-Expanded)

- IV. **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, vol.33, no.1-2, pp.43-53, 2024 (SCI-Expanded)
- V. **Co-administration of sodium hydrosulfide and tadalafil modulates hypoxia and oxidative stress on bladder dysfunction in a rat model of bladder outlet obstruction.**  
Yilmaz-Oral D., Kaya-Sezginer E., Asker H., Gur S.  
International braz j urol : official journal of the Brazilian Society of Urology, vol.48, no.6, pp.971-980, 2022 (SCI-Expanded)
- VI. **Sodium butyrate ameliorates erectile dysfunction through fibrosis in a rat model of partial bladder outlet obstruction**  
Kaya Sezginer E., Yilmaz 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)
- 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**  
Yilmaz-Oral D., Sezen S. F., Turkcan D., Asker H., Kaya-Sezginer E., Kirlangic O. F., Elci M. P., Ozen F. Z., Gur S.  
JOURNAL OF SEXUAL MEDICINE, vol.19, no.4, 2022 (SCI-Expanded)
- VIII. **Restorative effects of red onion (Allium cepa L.) juice on erectile function after-treatment with 5 alpha-reductase inhibitor in rats**  
Yilmaz Oral D., Önder A., Kaya Sezginer E., Oztekin C. V., Zor M., Gür S.  
INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH, vol.34, no.3, pp.269-276, 2022 (SCI-Expanded)
- IX. **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., Yilmaz 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)
- X. **Ivabradine, the hyperpolarization-activated cyclic nucleotide-gated channel blocker, elicits relaxation of the human corpus cavernosum: a potential option for erectile dysfunction treatment**  
GÜR S., Alzweri L., YILMAZ ORAL D., KAYA SEZGİNER E., Abdel-Mageed A. B., Sikka S. C., Hellstrom W. J. G.  
AGING MALE, vol.23, no.5, pp.1088-1097, 2021 (SCI-Expanded)
- XI. **Mirabegron, A Selective beta (3) -Adrenoceptor Agonist Causes an Improvement in Erectile Dysfunction in Diabetic Rats**  
YILMAZ ORAL D., KAYA SEZGİNER E., Askin D., Hamurtekin Y., GÜR S.  
EXPERIMENTAL AND CLINICAL ENDOCRINOLOGY & DIABETES, vol.129, no.4, pp.296-302, 2021 (SCI-Expanded)
- XII. **Testosterone positively regulates functional responses and nitric oxide expression in the isolated human corpus cavernosum**  
Gur S., Alzweri L., YILMAZ ORAL D., KAYA SEZGİNER E., Abdel-Mageed A., Dick B., Sikka S. C., Oztekin C. V., Hellstrom W. J. G.  
ANDROLOGY, vol.8, no.6, pp.1824-1833, 2020 (SCI-Expanded)
- XIII. **The beneficial effect of clove essential oil and its major component, eugenol, on erectile function in diabetic rats**  
YILMAZ ORAL D., ÖNDER A., GÜR S., Carbonell-Barrachina A. A., KAYA SEZGİNER E., Oztekin C. V., Zor M.  
ANDROLOGIA, vol.52, no.6, 2020 (SCI-Expanded)
- XIV. **The Effects of Androgens on Cardiometabolic Syndrome: Current Therapeutic Concepts**  
Kirlangic Ö. F., Yilmaz 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)

- XV. **Evaluation of combined therapeutic effects of hydrogen sulfide donor sodium hydrogen sulfide and phosphodiesterase type-5 inhibitor tadalafil on erectile dysfunction in a partially bladder outlet obstructed rat model**  
YILMAZ ORAL D., KAYA SEZGİNER E., Oztekin C. V., Bayatli N., LOKMAN U., GÜR S.  
NEUROUROLOGY AND URODYNAMICS, vol.39, no.4, pp.1087-1097, 2020 (SCI-Expanded)
- XVI. **The Inflammation Network in the Pathogenesis of Erectile Dysfunction: Attractive Potential Therapeutic Targets**  
KAYA SEZGİNER E., GÜR S.  
CURRENT PHARMACEUTICAL DESIGN, vol.26, no.32, pp.3955-3972, 2020 (SCI-Expanded)
- XVII. **Administration of human umbilical cord blood mononuclear cells restores bladder dysfunction in streptozotocin-induced diabetic rats**  
KAYA SEZGİNER E., YILMAZ ORAL D., GÜR S.  
LUTS-LOWER URINARY TRACT SYMPTOMS, vol.11, no.4, pp.232-240, 2019 (SCI-Expanded)
- XVIII. **Effects of hydrogen sulphide donor, sodium hydrosulphide treatment on the erectile dysfunction in L-NAME-induced hypertensive rats**  
Yilmaz E., KAYA SEZGİNER E., YILMAZ ORAL D., Cengiz T., Bayatli N., GÜR S.  
ANDROLOGIA, vol.51, no.5, 2019 (SCI-Expanded)
- XIX. **Effects of varying degrees of partial bladder outlet obstruction on urinary bladder function of rats: A novel link to inflammation, oxidative stress and hypoxia**  
Kaya Sezginer E., Yilmaz Oral D., Lokman U., Nebioglu S., Aktan F., Gür S.  
LUTS-LOWER URINARY TRACT SYMPTOMS, vol.11, no.2, 2019 (SCI-Expanded)
- XX. **Effect of semi-rapid maxillary expansion in children with obstructive sleep apnea syndrome: 5-month follow-up study**  
Hoxha S., KAYA SEZGİNER E., BAKAR ATEŞ F., KÖKTÜRK O., TOYGAR MEMİKOĞLU T. U.  
SLEEP AND BREATHING, vol.22, no.4, pp.1053-1061, 2018 (SCI-Expanded)
- XXI. **Potential therapeutic value of transient receptor potential channels in male urogenital system**  
Toktanis G., KAYA SEZGİNER E., YILMAZ ORAL D., GÜR S.  
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, vol.470, no.11, pp.1583-1596, 2018 (SCI-Expanded)
- XXII. **MIRABEGRON ELICITS RECOVERY OF ERECTILE FUNCTION IN A RAT MODEL OF STREPTOZOTOCIN-INDUCED DIABETES**  
KAYA SEZGİNER E., Oral Y. D., Askin D., Koroglu G., GÜR S.  
JOURNAL OF SEXUAL MEDICINE, vol.15, no.7, 2018 (SCI-Expanded)
- XXIII. **The Cellular Uptake and Apoptotic Efficiency of Colchicine is Correlated with Down-regulation of MMP-9 mRNA Expression in SW480 Colon Cancer Cells**  
ÖZMEN N., KAYA SEZGİNER E., BAKAR ATEŞ F.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.13, pp.1927-1933, 2018 (SCI-Expanded)
- XXIV. **Male Urogenital Disorders and Metabolic Syndrome: Possible Links, Characteristics and Potential Treatment Strategies**  
Oztekin C. V., KAYA SEZGİNER E., YILMAZ ORAL D., GÜR S.  
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.9, pp.1019-1033, 2018 (SCI-Expanded)
- XXV. **beta(3)-Adrenoceptor Control of Lower Genitourinary Tract Organs and Function in Male: An Overview**  
Kaya E., Sikka S. C., Oral D. Y., ÖZAKCA GÜNDÜZ I., GÜR S.  
CURRENT DRUG TARGETS, vol.19, no.6, pp.602-612, 2018 (SCI-Expanded)
- XXVI. **Management of Erectile Dysfunction: An Under-recognition of Hypertension**  
Koroglu G., KAYA SEZGİNER E., YILMAZ ORAL D., GÜR S.  
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.30, pp.3506-3519, 2018 (SCI-Expanded)
- XXVII. **Effects of Silodosin, a Selective Alpha-1A Adrenoceptor Antagonist, on Erectile Function in a Rat Model of Partial Bladder Outlet Obstruction**  
Bastaskin T., Kaya E., ÖZAKCA GÜNDÜZ I., Yilmaz D., Bayatli N., Akdemir A. O., GÜR S.  
NEUROUROLOGY AND URODYNAMICS, vol.36, no.3, pp.597-603, 2017 (SCI-Expanded)

- XXVIII. **Aging and sexual health: getting to the problem**  
Kaya E., Sikka S. C., Kadowitz P. J., GÜR S.  
AGING MALE, vol.20, no.2, pp.65-80, 2017 (SCI-Expanded)
- XXIX. **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., Yılmaz E., Gür S.  
JOURNAL OF SEXUAL MEDICINE, vol.14, no.1, pp.50-58, 2017 (SCI-Expanded)
- XXX. **Pomegranate juice causes a partial improvement through lowering oxidative stress for erectile dysfunction in streptozotocin-diabetic rat**  
Onal E., Yılmaz D., Kaya E., Bastaskin T., Bayath N., Gür S.  
INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH, vol.28, no.6, pp.234-240, 2016 (SCI-Expanded)
- XXXI. **A Comprehensive Review of Metabolic Syndrome Affecting Erectile Dysfunction**  
Kaya E., Sikka S. C., GÜR S.  
JOURNAL OF SEXUAL MEDICINE, vol.12, no.4, pp.856-875, 2015 (SCI-Expanded)
- XXXII. **L-Arginine and tetrahydrobiopterin, but not sodium nitrite partially restored erectile dysfunction in aged rats**  
Un O., Yılmaz D., Bayatlı N., Kaya E., GÜR S.  
AGING MALE, vol.17, no.4, pp.248-255, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **In vitro anticancer effect of theobromine in A549 non-small cell lung cancer cells**  
Öz Bedir B. E., Özdemir Sancı T., Ercan E., Kaya Sezginer E., Terzi E.  
International Journal of Medical Biochemistry, vol.7, no.3, pp.143-149, 2024 (Scopus)
- II. **Elucidating the Signaling Pathways Involved in Erectile Dysfunction**  
KAYA SEZGİNER E., ÇELİK A., KIRLANGIÇ Ö. F.  
CURRENT SIGNAL TRANSDUCTION THERAPY, vol.19, 2024 (Scopus)
- III. **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**  
Kaya Sezginer E., Yaprak A., Karabay A. Z.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.3, 2023 (Scopus)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **Effects of colchicine on cell cycle arrest and MMP-2 mRNA expression in MCF-7 breast adenocarcinoma cells Kolşisin'in MCF-7 insan meme adenokarsinoma hücrelerinde hücre döngüsü tutulumu ve MMP-2 mRNA ifade seviyesi üzerine etkisi**  
Bakar Ateş F., Özmen N., Kaya Sezginer E., Kurt E. E.

## 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 Sezginer E., Kirlangiç Ö. F., Özgürtaş T., Karakaya C.  
TBS International Biochemistry Congress 2023 - 34th National Biochemistry 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., Kirlangiç Ö. F., Özgürtaş T.  
6th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 11 - 13 October 2023, pp.266
- III. **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.  
ESGE 32nd Annual Congress, Brussels, Belgium, 1 - 04 October 2023, vol.15, pp.1
- IV. **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., Kirlangiç 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
- V. **DECREASED SERUM LEVEL OF AUTOTAXIN IN PATIENTS WITH POLYCYSTIC OVARY SYNDROME**  
Kaya Sezginer E., Kirlangiç 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
- VI. **THE EFFECT OF BORIC ACID ON HIGH GLUCOSE-INDUCED HUMAN RETINAL PIGMENT EPITHELIAL ARPE-19 CELLS**  
Kirlangiç Ö. F., Kaya Sezginer E.  
6th INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2023), Burdur, Turkey, 2 - 05 March 2023
- VII. **Anticancer Effects of Sodium Butyrate Combined With Cisplatin in Human Neuroblastoma Sh-Sy5y Cells**  
Kaya Sezginer E., Kirlangiç 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. **The effect of histone deacetylase inhibitor sodium butyrate treatment on erectile dysfunction in rats with partial bladder outlet obstruction**  
KAYA SEZGİNER E., YILMAZ D., Kirlangiç 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
- X. **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
- XI. **Increased PARP fragmentation and decreased p-Akt expression accompany coenzyme Q0 induced death of HL-60 and K562 leukemia cells**  
KAYA SEZGİNER E., Yaprak A., KARABAY A. Z.  
44th FEBS Congress, 6 - 11 July 2019

- XII. **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**  
YILMAZ ORAL D., Kaya-Sezginer E., Bayatli N., Gur S.  
114th Annual Meeting of the American-Urological-Association (AUA), Illinois, United States Of America, 3 - 06 May 2019, vol.201
- XIII. **Semi-Rapid Maxillary Expansion Orthodontic Treatment Decreased Kallikrein-1 Levels in Children with Obstructive Sleep Apnea Syndrome**  
KAYA SEZGİNER E., BAKAR ATEŞ F., HOXHA S., TOYGAR MEMİKOĞLU T. U.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018, pp.109
- XIV. **The investigation of antimetastatic effects of colchicine through MMP-9 downregulation in MCF-7 breast cancer cells**  
KAYA SEZGİNER E., ÖZMEN N., BAKAR ATEŞ F.  
The 43rd FEBS Congress, 7 - 12 July 2018
- XV. **Probucol downregulated the expression of angiogenesis-associated proteins in SW480 colorectal cancer cells**  
KAYA SEZGİNER E., BAKAR ATEŞ F.  
The 43rd FEBS Congress, 7 - 12 July 2018, pp.247-248
- XVI. **Mirabegron elicits recovery of erectile function in a rat model of streptozotocin-induced diabetes**  
KAYA SEZGİNER E., YILMAZ D., AŞKIN D., Koroğlu G., GÜR S.  
20th Congress of the European Society for Sexual Medicine, 28 February - 03 March 2018, vol.15, pp.135
- XVII. **THE BENEFICIAL EFFECTS OF COMBINED TREATMENT OF SODIUM HYDROGEN SULFIDE AND TADALAFIL ON ERECTILE FUNCTION IN A RAT MODEL OF PARTIAL BLADDER OUTLET OBSTRUCTION**  
Oral D. Y., KAYA SEZGİNER E., Onder A., Bayatli N., GÜR S.  
American-Urological-Association(AUA) Annual Meeting, San-Francisco, Costa Rica, 18 - 21 May 2018, vol.199
- XVIII. **THE EFFECTS OF COLCHICINE ON CELL GROWTH AND APOPTOSIS OF SW480 HUMAN COLORECTAL CANCER CELLS**  
ÖZMEN N., KAYA SEZGİNER E., BAKAR ATEŞ F.  
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- XIX. **EFFECTS OF VARYING DEGREES OF BLADDER OUTLET OBSTRUCTION ON URINARY BLADDER FUNCTION OF RATS: A NOVEL LINK TO INFLAMMATION, HYPOXIA AND OXIDATIVE STRESS**  
KAYA SEZGİNER E., YILMAZ D., NEBİOĞLU S., GÜR S.  
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- XX. **The essential oil of Allium cepa induced markedly relaxation on the rat corpus cavernosum**  
ÖNDER A., GÜR S., YILMAZ D., KAYA SEZGİNER E.  
3rd International conference on Natural product utilization: from plants to pharmacy shelf, Bansko, Bulgaria, 18 - 21 October 2017
- XXI. **Red onion: The relaxation effects of its essential oil on the isolated rat corpus cavernosum**  
ÖNDER A., GÜR S., YILMAZ D., KAYA SEZGİNER E.  
3rd international conference on natural products utilization: from plants to pharmacy shelf, Bansko, Bulgaria, 18 - 21 October 2017
- XXII. **The beneficial effect of intracavernosal mirabegron, a selective beta-adrenoceptor agonist, on erectile dysfunction in streptozotocin-induced diabetic rats**  
YILMAZ D., KAYA SEZGİNER E., Aşkın D., Koroğlu G., GÜR S.  
53rd EASD Annual Meeting, Lisbon, Portugal, 11 - 15 September 2017, vol.60, pp.1-608
- XXIII. **The beneficial effect of hydrogen sulfide donor, sodium hydrosulfide on erectile dysfunction in l-name-induced hypertensive rats**  
YILMAZ D., KAYA E., YILMAZ E., BAYATLI N., CENGİZ T., ÖZAKCA I., GÜR S.  
19th Congress of the European Society for Sexual Medicine, 2 - 04 February 2017, vol.14, pp.117-118
- XXIV. **Cinnamon The Remarkable Effect of Relaxation of an isolated human corpus cavernosum**  
ÖNDER A., GÜR S., YILMAZ D., KAYA E., AKDEMİR A. Ö.

2nd International Young Scientists Symposium, Wroclaw, Poland, 15 - 17 September 2016

- XXV. **The effects of cinnamon essential oil on erectile dysfunction invitro**  
ÖNDER A., GÜR S., YILMAZ D., KAYA E., AKDEMİR A. Ö.  
2nd International Young Scientists Symposium, Wroclaw, Poland, 15 - 17 September 2016
- XXVI. **Intracavernous Injection Of Human Umbilical Cord Blood Mononuclear Cells Improves Erectile Dysfunction In Streptozotocin Induced Diabetic Rats**  
CENGİZ T., YILMAZ D., KAYA E., KARABAY A. Z., GÜR S., ALTUN ENSARİ T., BAYATLI N., KARAHAN S. T., OZAKCA I., YILMAZ E.  
American Diabetes Association's 76th Scientific Sessions, NEW ORLEANS, United States Of America, 10 - 14 June 2016
- XXVII. **Intracavernous Injection of Human Umbilical Cord Blood Mononuclear Cells Improves Erectile Dysfunction in Streptozotocin-induced Diabetic Rats**  
Gur S., Cengiz T., Oral D. Y., Kaya E., Karabay A. Z., Ensari T. A., Bayatli N., KARAHAN S. T., ÖZAKCA GÜNDÜZ I., Yilmaz E.  
76th Scientific Sessions of the American-Diabetes-Association, Louisiana, United States Of America, 10 - 14 June 2016, vol.65
- XXVIII. **THE BENEFICIAL EFFECT OF INTRACAVERNOSAL FESOTERODINE COMPETITIVE MUSCARINIC RECEPTOR ANTAGONIST ON ERECTILE DYSFUNCTION OF DIABETIC RATS**  
GÜR S., YILMAZ D., KAYA E.  
Proceedings of the 17th Annual Congress of the European Society for Sexual Medicine, Kopenhag, Denmark, 5 - 07 February 2015, vol.12, pp.187
- XXIX. **Effects of a selective alpha 1adrenoceptor antagonish silodosin treatment on erectiledysfunctuin of rats with partialbladder outlet obstruction**  
GÜR S., KAYA E., BAŞTAŞKIN T., ÖNAL E., YILMAZ D., BAYATLI N.  
20th Annual Fall Scientific Meeting of theSexual Medicine Society of North America, MİAMI, United States Of America, 20 - 23 November 2014, vol.12, pp.101-183
- XXX. **EFFECTS OF A SELECTIVE ALPHA 1A ADRENOCEPTOR ANTAGONISH SILODOSIN TREATMENT ON ERECTILE DYSFUNCTION OF RATS WITH PARTIAL BLADDER OUTLET OBSTRUCTION**  
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- XXXI. **The fatty acid composition of type 1 diabetic patients in Turkish population and its relation with glycosylated hemoglobin**  
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- XXXIII. **EFFECTS OF FESOTERODINE (COMPETITIVE MUSCARINIC RECEPTOR ANTAGONIST) ON FUNCTIONAL RESPONSES OF RAT CORPUS CAVERNOSUM**  
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## Supported Projects

Kaya Sezginer E., Yılmaz Oral D., Gür S., TUBITAK Project, Parsiyel Mesane Obstrüksiyonlu Sıçanlarda Histon Deasetilaz İnhibitörü, Sodyum Bütirat Tedavisinin Erektıl Disfonksiyon Üzerine Etkisi, 2020 - 2021  
Gür S., Kaya Sezginer E., Yılmaz Oral D., Sezen F. S., TUBITAK Project, Kavernoöz Sinir Hasarlı Sıçanlarda Gelişen Erektıl Disfonksiyon Üzerine Adipoz Doku Kaynaklı Kök Hücre ve Nitrik Oksit Sentaz Substratı L-Arginin Kombinasyon

Tedavisinin Etkileri, 2020 - 2021

Kaya Sezginer E., Project Supported by Higher Education Institutions, Endometriozis Hastalarında Yeni Adipositokinlerin (Omentin, Visfatin, Vaspın, İrisin) Serum ve Gen Ekspresyon Düzeylerinin İnflamasyon Belirteci ile İlişkisinin İncelenmesi, 2019 - 2020

Gür S., Kaya Sezginer E., TUBITAK Project, Parsiyel Mesane Obstrüksiyonlu Sıçanlarda Hidrojen Sülfür Donörü Sodyum Hidrojen Sülfid ve Fosfodiesteraz 5 İnhibitörü Tadalafil Tedavisinin Eretil Disfonksiyon Üzerine Etkisi, 2017 - 2018

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## **Metrics**

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