



## **MY PERSONEL AND CONTACT INFORMATION**

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## **EMPLOYMENT**

2013 ..... Ankara University Faculty of Pharmacy, Department of Biochemistry, Research Assistant

## **EDUCATION**

2007-2012 Ankara University Faculty of Pharmacy

2012-2016 Ankara University Faculty of Pharmacy, Department of Biochemistry, PhD

## **STUDY VISITS**

University of Florence, Andrology Unit, Department of Experimental and Clinical Biomedical Sciences  
(Prof. Mario Maggi, 31 August-30 October 2015)

University Medical Center of Johannes Gutenberg University, Institute of Toxicology, Mainz, Germany  
(6 January-6 April 2019)

## SCIENTIFIC PROJECTS

Researcher- The Scientific and Technological Research Council of Turkey: The Effects of Selective  $\alpha 1$ -A Adrenoceptor Antagonist Silodosin Treatment on Erectile Dysfunction of Rats with Partial Bladder Outlet Obstruction (114S068, 01.05.2014-01.05.2015)

Researcher- Ankara University Scientific Research Project: The inflammation and oxidative stress mechanisms in a rat model of partial bladder outlet obstruction (15L0237001, 06.02.2015-06.02.2017)

## SCI-EXPANDED PUBLICATIONS

- 1) Gamze Toktanis, Ecem Kaya Sezginer, Didem Yilmaz Oral, Serap Gur (2018). Potential Therapeutic Value of Transient Receptor Potential Channels in Male Urogenital System. 470(11): 1583-1596. doi: 10.1007/s00424-018-2188-y.
- 2) Ecem Kaya Sezginer, Didem Yilmaz Oral, Serap Gur (2019). Administration of human umbilical cord blood mononuclear cells restores bladder dysfunction in streptozotocin-induced diabetic rats. Lower Urinary Tract Symptoms. 2019, 11(4): 232-240. Doi: 10.1111/luts.12268.
- 3) Didem Yilmaz-Oral, Ecem Kaya Sezginer, Dilan Askin, Yesim Hamurtekin, Serap Gur (2019). Mirabegron, A Selective  $\beta 3$ -Adrenoceptor Agonist Causes an Improvement in Erectile Dysfunction in Diabetic Rats. Experimental and Clinical Endocrinology Diabetes, Doi: 10.1055/a-0869-7493.
- 4) Enis Yilmaz, Ecem Kaya Sezginer, Didem Yilmaz Oral, Tugba Cengiz, Nur Bayatlı, Serap Gur (2019). Effects of hydrogen sulphide donor, sodium hydrosulphide treatment on the erectile dysfunction in L-NAME-induced hypertensive rats. Andrologia, 51(5), e13240, Doi: 10.1111/and.13240.
- 5) Saimir Hoxha, Ecem Kaya-Sezginer, Filiz Bakar-Ates, Oğuz Köktürk, Ufuk Toygar-Memikoğlu. Effect of semi-rapid maxillary expansion in children with obstructive sleep apnea syndrome: 5-month follow-up study, Sleep and Breathing. 2018 Feb 17. doi: 10.1007/s11325-018-1636-4.
- 6) Nuri Ozmen, Ecem Kaya-Sezginer, Filiz Bakar-Ates. The Cellular Uptake and Apoptotic Efficiency of Colchicine is Correlated with Down-regulation of MMP-9 mRNA Expression in SW480 Colon Cancer Cells, Anticancer Agents Med Chem. 2018. doi: 10.2174/1871520618666180821102047.
- 7) Ecem Kaya Sezginer, Didem Yilmaz-Oral, Utku Lokman, Serpil Nebioglu, Fugen Aktan, Serap Gur Effects of varying degrees of partial bladder outlet obstruction on urinary bladder function of rats: A novel link to inflammation, oxidative stress and hypoxia, Lower Urinary Tract Symptoms. 2017 Dec 28. doi: 10.1111/luts.12211.
- 8) Ecem Kaya, Suresh Sikka, Didem Yilmaz Oral, Isil Ozakca, Serap Gur.  $\beta 3$ -Adrenoceptor Control of Lower Genitourinary Tract Organs and Function in Male: An Overview, Current Drug Targets.

2018;19(6):602-612.

- 9) Cetin Volkan Oztekin, Ecem Kaya-Sezginer, Didem Yilmaz-Oral, Serap Gur. Male Urogenital Disorders and Metabolic Syndrome: Possible Links, Characteristics and Potential Treatment Strategies, *Current Pharmaceutical Design*. 2018; 24(9):1019-1033
- 10) Kaya Ecem, Sikka Suresh C, Kadowitz Philip, Gur Serap (2017). Aging and sexual health: getting to the problem. *The Aging Male*, 20(2), 65-80. Doi: 10.1080/13685538.2017.1295435
- 11) Cengiz Tugba, Kaya Ecem, Yilmaz Didem, Ozakca Isil, Bayatlı Nur, Karabay Arzu Zeynep, Ensari Altun Tugba, Karahan Süleyman Tuna, Yilmaz Enis, Gur Serap (2017). Intracavernous Injection of Human Umbilical Cord Blood Mononuclear Cells Improves Erectile Dysfunction in Streptozotocin Induced Diabetic Rats. *The Journal of Sexual Medicine*, 14(1), 50-58. Doi: 10.1016/j.jsxm.2016.11.314
- 12) Onal Ebru, Yilmaz Didem, Kaya Ecem, Bastaskin Tugce, Bayatli Nur, Gur Serap (2016). Pomegranate juice causes a partial improvement through lowering oxidative stress for erectile dysfunction in streptozotocin diabetic rat. *International Journal of Impotence Research*, 28(6), 234-240. Doi: 10.1038/ijir.2016.34.
- 13) Bastaskin Tugce, Kaya Ecem, Ozakca Isil, Yilmaz Didem, Akdemir Alp Ozgur, Gur Serap, (2016). Effects of silodosin a selective alpha 1A adrenoceptor antagonist on erectile function in a rat model of partial bladder outlet obstruction. *Neurourology and Urodynamics*. Doi: 10.1002/nau.23015
- 14) Kaya Ecem, Suresh C Sikka, Gur Serap (2015). A Comprehensive Review of Metabolic Syndrome Affecting Erectile Dysfunction. *The Journal of Sexual Medicine*, 12(4), 856-875. Doi: 10.1111/jsm.12828
- 15) Ozge Un, Yilmaz Didem, Nur Bayatli, Kaya Ecem, Gur Serap (2014). Arginine and tetrahydrobiopterin but not sodium nitrite partially restored erectile dysfunction in aged rats. *The Aging Male*, 17(4), 248-255. Doi: 10.3109/13685538.2014.92115

#### **ABSTRACTS PRESENTED AT THE INTERNATIONAL CONGRESSES**

- 1) Ecem Kaya-Sezginer, Nuri Ozmen, Filiz Bakar-Ates. The investigation of antimetastatic effects of colchicine through MMP-9 downregulation in MCF-7 breast cancer cells. *FEBS Open Bio*, 8; 325-325, Abstract Number: P.10-096. (Poster Presentation FEBS 2018 7-12 Temmuz 2018, Prague, Czech Republic).
- 2) Didem Yilmaz Oral, Ecem Kaya Sezginer, Alev Onder, Nur Bayatli, Serap Gur. The beneficial effects of combined treatment of sodium hydrogen sulfide and tadalafil on erectile function in a rat model of partial bladder outlet obstruction. *The Journal of Urology*. 2018;199(4), 583-584., Doi: 10.1016/j.juro.2018.02.1411 (Moderate Poster Presentation, American Urological Association Congress Sanfrancisco, California, USA, 18-21 May, 2018)

- 3) Ecem Kaya Sezginer, Didem Yilmaz Oral, Dilan Askin, Gokhan Koroglu, Serap Gur. Mirabegron elicits recovery of erectile function in a rat model of streptozotocin-induced diabetes. *The Journal of Sexual Medicine* 15 (7), S135. (Oral Presentation, European Society for Sexual Medicine, Lisbon, Portugal, 28 February-3 March, 2018)
- 4) Ecem Kaya-Sezginer, Filiz Bakar-Ates. Probucol downregulated the expression of angiogenesis-associated proteins in SW480 colorectal cancer cells. *FEBS Open Bio*, 8; 247-248, Abstract Number: P.09-124. (Poster Presentation, FEBS 2018 7-12 July 2018, Prague, Czech Republic).  
Ecem Kaya-Sezginer, Filiz Bakar-Ates, Saimir Hoxha, Tulin Ufuk Toygar Memikoglu. Semi-Rapid Maxillary Expansion Orthodontic Treatment Decreased Kallikrein-1 Levels in Children with Obstructive Sleep Apnea Syndrome. (Oral presentation, 12th International Symposium on Pharmaceutical Sciences, 26-29 June 2018, Ankara, Turkey)
- 5) Yilmaz Didem, Kaya Ecem, Yilmaz Enis, Bayatlı Nur, Cengiz Tugba, Özakca Isil, Gür Serap (2017). The Beneficial Effect Of Hydrogen Sulfide Donor, Sodium Hydrosulfide On Erectile Dysfunction in L- Name-Induced Hypertensive Rats. 19th Congress of the European Society for Sexual Medicine, 14(4), 117-118. Doi: 10.1016/j.jsxm.2017.03.103.
- 6) Cengiz Tugba, Yilmaz Didem, Kaya Ecem, Karabay Arzu Zeynep, Gur Serap, Altun Ensari Tugba, Bayatli Nur, Karahan Suleyman Tuna, Ozakca Isil, Yilmaz Enis (2016). Intracavernous Injection of Human Umbilical Cord Blood Mononuclear Cells Improves Erectile Dysfunction in Streptozotocin Induced Diabetic Rats. American Diabetes Association's 76th Scientific Sessions.
- 7) Gur Serap, Yilmaz Didem, Kaya Ecem (2015). The Beneficial Effect Of Intracavernosal Fesoterodine Competitive Muscarinic Receptor Antagonist on Erectile Dysfunction of Diabetic Rats. *Proceedings of the 17th Annual Congress of the European Society for Sexual Medicine*, 12, 188-271. Doi: 10.1111/jsm.12872.
- 8) Yilmaz Didem, Gur Serap, Onal Ebru, Bastaskin Tugce, Kaya Ecem (2015). The Treatment of Pomegranate Juice Restored Erectile Dysfunction in Diabetic Rats, 12, 188-271. Doi: 10.1111/jsm.12872.
- 9) Gur Serap, Kaya Ecem, Tugce Bastaskin, Onal Ebru, Yilmaz Didem, Nur Bayatli (2014). Effects Of A Selective Alpha 1a Adrenoceptor Antagonist Silodosin Treatment On Erectile Dysfunction of Rats with Partial Bladder Outlet Obstruction. 20th Annual Fall Scientific Meeting Of SMSNA.
- 10) Kaya Ecem, Bakar Filiz, Nebioglu Serpil (2014). The Fatty Acid Composition of Type 1 Diabetic Patients in Turkish Population and its Relation With Glycosylated Hemoglobin. *FEBS EMBO 2014 Conference*, 281, 175-175. Doi: 10.1111/febs.12914
- 11) Kaya Ecem, Hatice Yıldızhan, Gur Serap, Yilmaz Didem, Nebioglu Serpil, Ozel Demiralp Fatma Duygu (2014). Preliminary Proteomic Data of Penile Tissue from the Neonatal Non Insulin Dependent Type 2 Diabetic Rats. *American diabetes association*, 63, 578.