

## Prof. EBRU ARIOĞLU İNAN



### Personal Information

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### International Researcher IDs

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ScopusID: 7004819625

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### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr) (Eczacılık), Turkey 2002 - 2008

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1995 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Hipotiroidizmin kardiyak performans üzerindeki etkisine beta 3 adrenoseptörlerin olası katkısı, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (Dr) (Eczacılık), 2008

Postgraduate, Streptozotosin diyabetik sıçanların kalp-damar yanıtları üzerinde sodyum molibdat tedavisinin etkisi, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji (YI) (Tezli), 2002

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - Continues

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2014 - 2020

Research Assistant, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2000 - 2014

## Courses

Farmakoloji I, Undergraduate, 2018 - 2019, 2017 - 2018  
Kardiyovasküler Farmakoloji, Doctorate, 2018 - 2019, 2014 - 2015  
Pharmacology I, Undergraduate, 2018 - 2019, 2017 - 2018  
Pharmacology II, Undergraduate, 2017 - 2018  
Farmakoloji II, Undergraduate, 2017 - 2018  
Endokrin Farmakoloji, Doctorate, 2017 - 2018  
Diabetin yol açtığı metabolik bozukluklar, Postgraduate, 2016 - 2017, 2015 - 2016  
Farmakoloji 1, Undergraduate, 2016 - 2017, 2015 - 2016  
Diabet tedavisinde yeni yaklaşımlar, Doctorate, 2015 - 2016  
İlaç reseptör etkileşimleri, Postgraduate, 2015 - 2016, 2014 - 2015  
Otonom sinir sistemi farmakolojisi, Postgraduate, 2015 - 2016, 2014 - 2015  
Kardiyovasküler Farmakoloji, Postgraduate, 2014 - 2015  
Diabetin yol açtığı kardiyovasküler değişimler, Doctorate, 2014 - 2015

## Advising Theses

ARIOĞLU İNAN E., Yüksek yağ diyeti ve düşük doz streptozotosin uygulanan diabetik sıçan aortasında beta adrenoseptör aracılı yanıtlara dapagliflozin'in etkileri, Postgraduate, N.ÖZTÜRK(Student), 2021  
ARIOĞLU İNAN E., Sodyum glukoz ko-transporter 2 inhibitörü dapagliflozinin tip 2 diabetik ratlarda kardiyovasküler komplikasyonlar üzerindeki etkileri, Doctorate, İ.KARAÖMERLİOĞLU(Student), 2020  
ARIOĞLU İNAN E., Valsartan/sakubitril kombinasyonu LCZ696'nın diabetik kardiyak disfonksiyon üzerine olası etkilerinin beta adrenerjik yanıtverirlik üzerinden değerlendirilmesi, Doctorate, B.RABİA(Student), 2020  
ARIOĞLU İNAN E., Sitagliptinin streptozotosin diabetik ratlarda  $\beta$ -AR aracılı kardiyak yanıtlar üzerindeki etkileri, Doctorate, C.UYAR(Student), 2018  
ARIOĞLU İNAN E., Streptozotosin diabetik sıçan aortasında beta 3-adrenoseptör aracılı yanıtlara sitagliptinin olası etkileri, Postgraduate, A.ELİF(Student), 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sacubitril/Valsartan Combination Partially Improves Cardiac Systolic, but Not Diastolic, Function through  $\beta$ -AR Responsiveness in a Rat Model of Type 2 Diabetes**  
ERDOĞAN B., Yesilyurt-Dirican Z. E., Karaomerlioglu I., Muderrisoglu A. E., SEVİM K., Michel M. C., ARIOĞLU İNAN E.  
International Journal of Molecular Sciences, vol.25, no.19, 2024 (SCI-Expanded)
- II. **SGLT2 inhibitors: how do they affect the cardiac cells**  
Erdogan B. R., ARIOĞLU İNAN E.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, 2024 (SCI-Expanded)
- III. **A systematic review on renal effects of SGLT2 inhibitors in rodent models of diabetic nephropathy**  
Ashfaq A., Meineck M., Pautz A., ARIOĞLU İNAN E., Weinmann-Menke J., Michel M. C.  
Pharmacology and Therapeutics, vol.249, 2023 (SCI-Expanded)
- IV. **STREPTOZOTOCIN-INDUCED DIABETES HAS NO MAJOR EFFECTS ON THE ROLE OF SPHINGOSINE KINASE AND SPHINGOSINE-1-PHOSPHATE IN RAT BLADDER**  
Michel M., Rakhmatova G., Bese O., Kucukyildiz K., ARIOĞLU İNAN E., Michel M.  
NEUROUROLOGY AND URODYNAMICS, vol.42, 2023 (SCI-Expanded)
- V. **A comparison of urinary bladder weight in male and female mice across five models of diabetes and obesity**  
Erdogan B. R., Michel M. B., Matthes J., Castañeda T. R., Christen U., ARIOĞLU İNAN E., Michel M. C., Pautz A.  
Frontiers in Pharmacology, vol.14, 2023 (SCI-Expanded)

- VI. **Sex Differences in Glucose Homeostasis**  
ARIOĞLU İNAN E., KAYKI MUTLU G.  
SEX AND GENDER EFFECTS IN PHARMACOLOGY, pp.219-239, 2023 (SCI-Expanded)
- VII. **Analysis of 16 studies in nine rodent models does not support the hypothesis that diabetic polyuria is a main reason of urinary bladder enlargement**  
Yesilyurt Z. E., Matthes J., Hintermann E., Castaneda T. R., Elvert R., Beltran-Ornelas J. H., Silva-Velasco D. L., Xia N., Kannt A., Christen U., et al.  
FRONTIERS IN PHYSIOLOGY, vol.13, 2022 (SCI-Expanded)
- VIII. **Established and emerging treatments for diabetes-associated lower urinary tract dysfunction**  
Erdogan B. R., Liu G., ARIOĞLU İNAN E., Michel M. C.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.395, no.8, pp.887-906, 2022 (SCI-Expanded)
- IX. **Validation of Fenoterol to Study beta(2)-Adrenoceptor Function in the Rat Urinary Bladder**  
Erdogan B. R., Yesilyurt Z. E., Arioglu-Inan E., Michel M. C.  
PHARMACOLOGY, vol.107, no.1-2, pp.116-121, 2022 (SCI-Expanded)
- X. **Function and morphology of the urinary bladder after denervation**  
Michel M. C., ARIOĞLU İNAN E.  
AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY, vol.320, no.6, 2021 (SCI-Expanded)
- XI. **Effects of sitagliptin on beta-adrenoceptor mediated relaxation in streptozotocin-diabetic rat aorta**  
Muderrisoglu A. E., Erdogan B. R., YEŞİLYURT Z. E., Boztas C. U., Karacomerlioglu I., ALTAN V. M., ARIOĞLU İNAN E.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.2, pp.864-872, 2021 (SCI-Expanded)
- XII. **Expression and Signaling of beta-Adrenoceptor Subtypes in the Diabetic Heart**  
Erdogan B. R., Michel M. C., ARIOĞLU İNAN E.  
CELLS, vol.9, no.12, 2020 (SCI-Expanded)
- XIII. **Cardiac and Vascular alpha(1)-Adrenoceptors in Congestive Heart Failure: A Systematic Review**  
KAYKI MUTLU G., Papazisi O., Palmen M., Danser A. H. J., Michel M. C., ARIOĞLU İNAN E.  
CELLS, vol.9, no.11, 2020 (SCI-Expanded)
- XIV. **Normalization of organ bath contraction data for tissue specimen size: does one approach fit all?**  
Erdogan B. R., Karaomerlioglu I., Yesilyurt Z. E., ÖZTÜRK ERBOĞA N., Muderrisoglu A. E., Michel M. C., ARIOĞLU İNAN E.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.393, no.2, pp.243-251, 2020 (SCI-Expanded)
- XV. **Upregulation of beta(3)-adrenoceptors-a general marker of and protective mechanism against hypoxia?**  
Dal Monte M., Evans B. A., ARIOĞLU İNAN E., Michel M. C.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.393, no.2, pp.141-146, 2020 (SCI-Expanded)
- XVI. **Beta-3 adrenoceptors: A potential therapeutic target for heart disease**  
KAYKI MUTLU G., Karaomerlioglu I., ARIOĞLU İNAN E., Altan V. M.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.858, 2019 (SCI-Expanded)
- XVII. **Urinary Bladder Weight and Function in a Rat Model of Mild Hyperglycemia and Its Treatment With Dapagliflozin**  
Yesilyurt Z. E., Erdogan B. R., Karaomerlioglu I., Muderrisoglu A. E., Michel M. C., ARIOĞLU İNAN E.  
FRONTIERS IN PHARMACOLOGY, vol.10, 2019 (SCI-Expanded)
- XVIII. **Cardiac beta(3)-adrenoceptors-A role in human pathophysiology?**  
ARIOĞLU İNAN E., KAYKI MUTLU G., Michel M. C.  
BRITISH JOURNAL OF PHARMACOLOGY, vol.176, no.14, pp.2482-2495, 2019 (SCI-Expanded)
- XIX. **A systematic review of urinary bladder hypertrophy in experimental diabetes: Part 2. Comparison of animal models and functional consequences**  
Ellenbroek J. H., ARIOĞLU İNAN E., Michel M. C.  
NEUROUROLOGY AND URODYNAMICS, vol.37, no.8, pp.2346-2360, 2018 (SCI-Expanded)
- XX. **Aging related functional and structural changes in the heart and aorta: MitoTEMPO improves aged-cardiovascular performance**

- OLĞAR Y., DEĞİRMENCİ S., DURAK A., BİLLUR D., CAN B., KAYKI MUTLU G., Arioglu-Inan E., Turan B.  
Experimental Gerontology, vol.110, pp.172-181, 2018 (SCI-Expanded)
- XXI. **Role of the beta(3)-adrenergic receptor subtype in catecholamine-induced myocardial remodeling**  
Mutlu G., ARIOĞLU İNAN E., Karaomerlioglu I., ALTAN V. M., YERSAL N., KORKUSUZ P., Rocchetti M., Zaza A.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.446, no.1-2, pp.149-160, 2018 (SCI-Expanded)
- XXII. **A systematic review of urinary bladder hypertrophy in experimental diabetes: Part I. Streptozotocin-induced rat models**  
ARIOĞLU İNAN E., Ellenbroek J. H., Michel M. C.  
NEUROUROLOGY AND URODYNAMICS, vol.37, no.4, pp.1212-1219, 2018 (SCI-Expanded)
- XXIII. **Acetylsalicylic acid protects erectile function in diabetic rats**  
Hafez G., Gonulalan U., KOŞAN T. M., Arioglu E., Ozturk B., Cetinkaya M., Gur S.  
Andrologia, vol.46, no.9, pp.997-1003, 2014 (SCI-Expanded)
- XXIV. **The role of insulin-thyroid hormone interaction on beta-adrenoceptor-mediated cardiac responses**  
ARIOĞLU İNAN E., ÖZAKCA GÜNDÜZ I., KAYKI MUTLU G., SEPİCİ DİNÇEL A., Altan V. M.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.718, no.1-3, pp.533-543, 2013 (SCI-Expanded)
- XXV. **The effect of diabetes mellitus on  $\alpha$ 1-adrenergic receptor subtypes in the bladder of rats**  
Gonulalan U., KOŞAN T. M., Hafez G., Arioglu E., Akdemir O., Ozturk B., GÜR S., Cetinkaya M.  
Urology, vol.80, no.4, 2012 (SCI-Expanded)
- XXVI. **The changes in  $\beta$ -adrenoceptor-mediated cardiac function in experimental hypothyroidism: The possible contribution of cardiac  $\beta$ 3-adrenoceptors**  
Arioglu E., Guner S., ÖZAKCA GÜNDÜZ I., Altan V. M., ÖZÇELİKAY A. T.  
Molecular and Cellular Biochemistry, vol.335, no.1-2, pp.59-66, 2010 (SCI-Expanded)
- XXVII. **Role of beta-3-adrenoceptor in catecholamine-induced relaxations in gastric fundus from control and diabetic rats**  
ÖZAKCA GÜNDÜZ I., Arioglu E., Guner S., Altan V. M., ÖZÇELİKAY A. T.  
Pharmacology, vol.80, no.4, pp.227-238, 2007 (SCI-Expanded)
- XXVIII. **The effects of chronic trimetazidine treatment on mechanical function and fatty acid oxidation in diabetic rat hearts**  
BEŞİKCİ A., Guner S., Arioglu E., ÖZAKCA GÜNDÜZ I., ÖZÇELİKAY A. T., Altan V. M.  
Canadian Journal of Physiology and Pharmacology, vol.85, no.5, pp.527-535, 2007 (SCI-Expanded)
- XXIX. **The influence of diabetes on cardiac  $\beta$ -adrenoceptor subtypes**  
Altan V. M., Arioglu E., Guner S., ÖZÇELİKAY A. T.  
Heart Failure Reviews, vol.12, no.1, pp.58-65, 2007 (SCI-Expanded)
- XXX. **Diabetes decreases mRNA levels of calcium-release channels in human atrial appendage**  
Guner S., Arioglu E., Tay A., Tasdelen A., Aslamaci S., Bidasee K., Dincer U.  
Molecular and Cellular Biochemistry, vol.263, no.1, pp.143-150, 2004 (SCI-Expanded)
- XXXI. **Decreased expression of beta(1)- and beta(2)-adrenoceptors in human diabetic atrial appendage**  
Dincer U. D., Guner S., Tay A., ARIOĞLU İNAN E., Tasdelen A., Aslamaci S., Bidasee K. R.  
CARDIOVASCULAR DIABETOLOGY, vol.2, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of the Expression of CYP3A4 in Diabetic Rats in Xenobiotic Metabolism**  
GÜVEN N. M., Karaomerlioglu I., ARIOĞLU İNAN E., Can Eke B.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.21, no.1, pp.81-86, 2024 (ESCI)
- II. **Cardiac adrenergic receptors and GRKs: mitochondrial modulation in the heart**  
KAYKI MUTLU G., ARIOĞLU İNAN E.  
Current Opinion in Physiology, vol.37, 2024 (ESCI)
- III. **Effects of insulin treatment on hepatic CYP1A1 and CYP2E1 activities and lipid peroxidation levels in streptozotocin-induced diabetic rats**

Kuzgun G., Basaran R., ARIÖĞLU İNAN E., Can Eke B.

JOURNAL OF DIABETES AND METABOLIC DISORDERS, vol.19, no.2, pp.1157-1164, 2020 (ESCI)

IV. **Effects of incretin mimetic drugs on diabetic cardiovascular functions**

Boztas C. U., Inan E., ALTAN V. M.

Fabad Journal of Pharmaceutical Sciences, vol.42, no.2, pp.151-165, 2017 (Scopus)

V. **Diyabetik Sıçan Kalbinde İskemi/Reperfüzyon Hasarına Karşı Artmış Tolerans Kalp Atım Hızından Bağımsızdır**

ALTUNKAYNAK ÇAMCA H. Ö., ARIÖĞLU İNAN E., ÖZAKCA GÜNDÜZ I., KAYKI MUTLU G., ÖZÇELİKAY A. T.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.38, no.4, pp.305-315, 2009 (Scopus)

VI. **INCREASED TOLERANCE AGAINST ISCHEMIA/REPERFUSION INJURY in DIABETIC RAT HEART IS INDEPENDENT from HEART RATE DİYABETİK SİÇAN KALBİNDE İSKEMİ/ REPERFÜZYON HASARINA KARŞI ARTMIŞ TOLERANS KALP ATIM HIZINDAN BAĞIMSIZDIR**

Altunkaynak H. Ö., Arioğlu E., ÖZAKCA GÜNDÜZ I., Kayki G., ÖZÇELİKAY A. T.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.38, no.4, pp.305-315, 2009 (Scopus)

## Books & Book Chapters

I. **Differences in Glucose Homeostasis.**

Arioğlu İnan E., Kayki Mutlu G.

in: Handbook of Experimental Pharmacology, Stella E. Tsirka, Maricedes Acosta-Martinez, Editor, Springer, London/Berlin , London, pp.219-239, 2023

II. **Diuretic Agents**

Arioğlu İnan E., Kayki Mutlu G.

in: Comprehensive Pharmacology, Terry Kenakin, Editor, Elsevier Science, Oxford/Amsterdam , North Carolina, pp.634-655, 2022

## Refereed Congress / Symposium Publications in Proceedings

I. **Insulin is Not Driving Urinary Bladder Enlargement in Rodent Models of Diabetes**

Michel M. C., Beltrans-Ornelas J. H., Silva-Velasco D. L., Castaneda T. R., Elvert R., Kannt A., Xia N., Li H., Arioglu-Inan E., Centurion D.

Experimental Biology Meeting (EB), Pennsylvania, United States Of America, 2 - 05 April 2022

II. **Optimization of HPLC method for the determination of piroxicam from polymeric based nanocarriers and biological samples**

Gümüştas M., Tok K. C., Bayram B., Amasya G., Arioğlu İnan E., Şengel Türk C. T.

31st International Symposium on Pharmaceutical and Biomedical Analysis, Kyoto, Japan, 29 August - 01 September 2021

III. **An overview of the relation between blood glucose level and bladder enlargement in various diabetes models**

Yesilyurt Z. E., Matthes J., Castaneda T. R., Christen U., ARIÖĞLU İNAN E., Michel M. C.

Meeting of the British-Pharmacological-Society, Edinburgh, Saint Helena, 15 - 17 December 2019, vol.177, pp.2649-2650

IV. **Does sacubitril/valsartan have an impact on cardiac function through beta-ARs in high-fat diet plus low-dose streptozotocin diabetes model?**

Erdogan B. R., Yesilyurt Z. E., Karaomerlioglu I., Muderrisoglu A. E., SEVİM K., ARIÖĞLU İNAN E.

Meeting of the British-Pharmacological-Society, Edinburgh, Saint Helena, 15 - 17 December 2019, vol.177, pp.2604-2605

V. **Bladder Enlargement Correlates with Plasma Insulin, Not Glucose Levels in Fructose-Fed Rats**

Michel M., Beltran-Ornelas J., Silva-Velasco D., Yesilyurt Z., ARIÖĞLU İNAN E., Centurion D.

- VI. **Changes in  $\beta$ -adrenoceptor mediated responses and protein expression in dapagliflozin treated HFD and low dose STZ diabetic rat heart**  
KARAÖMERLİOĞLU İ., Yeşilyurt Z. E., ERDOĞAN B. R., KAYKI MUTLU G., Müderrisoğlu A. E., ALTAN V. M., ARIOĞLU İNAN E.  
CVOT Summit 2019, Munich, Germany, 24 - 25 October 2019
- VII. **The effects of leptin on cardiac function in streptozotocin diabetic rats**  
ARIOĞLU İNAN E., KAYKI MUTLU G., ERDOĞAN B. R., Müderrisoğlu A. E., KARAÖMERLİOĞLU İ., Yeşilyurt Z. E., DEĞİRMENCİ S., TURAN B., ALTAN V. M.  
Pharmacology 2017, Londrina, Brazil, 11 - 13 December 2017
- VIII. **Regulation of Na-K pump by  $\beta$ 3-adrenergic receptors in aortas from noradrenaline-treated rats**  
KAYKI MUTLU G., Müderrisoğlu A. E., KARAÖMERLİOĞLU İ., ERDOĞAN B. R., ALTAN V. M., ARIOĞLU İNAN E.  
Pharmacology 2017, Londrina, Brazil, 11 - 13 December 2017
- IX. **The effect of sitagliptin on beta-adrenoceptor-mediated cardiac responses in streptozotocin induced diabetic rats**  
UYAR BOZTAŞ C., ARIOĞLU İNAN E., MÜDERRİSOĞLU A. E., KAYKI MUTLU G., ERDOĞAN B. R., YEŞİLYURT Z. E., KARAÖMERLİOĞLU İ., ALTAN V. M.  
3rd CVOT (cardiovascular Outcome Trial) Summit Of The D CVD Study Group, Munich, Germany, 26 - 27 October 2017
- X. **The Effect Of Dapagliflozin Treatment On Beta Adrenoceptor-mediated Responses In High Fat Fed Diabetic Rat Heart**  
KARAÖMERLİOĞLU İ., KAYKI MUTLU G., ÖZTÜRK N., ERDOĞAN B. R., MÜDERRİSOĞLU A. E., YEŞİLYURT Z. E., ALTAN V. M., ARIOĞLU İNAN E.  
3rd CVOT (cardiovascular Outcome Trial) Summit Of The D CVD Study Group, Munich, Germany, 26 - 27 October 2017
- XI. **Effects of insulin treatment on hepatic CYP1A1 and CYP2E1 activities and lipid peroxidation levels in streptozotocin-induced diabetic rats**  
Eke B. C., Kuzgun G., Basaran R., ARIOĞLU İNAN E.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XII. **Altered Heart Function In HighSucrose-fed Overweight Rats: In Vivo And In Vitro Investigations**  
ARIOĞLU İNAN E., Toy Durak A., Olgar Y., Tuncay E., KAYKI MUTLU G., KARAÖMERLİOĞLU İ., ALTAN V. M., TURAN B.  
DCVD Annual Meeting, Milan, Italy, 22 - 24 June 2017
- XIII. **Altered heart function in high sucrose fed overweight rats: in vivo and in vitro investigations**  
ARIOĞLU İNAN E., toy durak a., olgar y., tuncay e., KAYKI MUTLU G., KARAÖMERLİOĞLU İ., ALTAN V. M., TURAN B.  
DCVD Annual Meeting, 22 June - 24 July 2017
- XIV. **The role of CYP1A1 and CYP2E1 Enzyme Activities and Lipid peroxidation levels in diabetic rats**  
kuzgun g., başaran r., ARIOĞLU İNAN E., EKE B.  
2nd International Conference on Enzymology and Molecular Biology, 20 - 21 March 2017
- XV. **The Role of CYP1A1 and CYP2E1 Enzyme Activities and Lipid Peroxidation Levels in Diabetics Rats**  
KUZGUN G., BAŞARAN R., ARIOĞLU İNAN E., EKE B.  
2nd International Conference on Enzymology and Molecular Biology, 20 - 21 March 2017
- XVI. **The effect of leptin treatment on in vivo cardiac parameters of streptozotocin induced diabetic rats**  
ARIOĞLU İNAN E., ERDOĞAN B. R., Müderrisoğlu E., KARAÖMERLİOĞLU İ., KAYKI MUTLU G., BEŞİKÇİ A., ALTAN V. M.  
9th Annual Meeting of the Diabetes and Cardiovascular Disease, 30 June - 02 July 2016
- XVII. **The Effect of Beta 3 ARs on Na K ATPase in Cardiac Hypertrophy**  
KAYKI MUTLU G., ARIOĞLU İNAN E., KARAÖMERLİOĞLU İ., ALTAN V. M.  
7th European Congress of Pharmacology, 26 - 30 June 2016
- XVIII. **The effect of thyroid hormone insulin interaction on diabetic rat aorta.**

ARIOĞLU İNAN E., ÖZAKCA I., KAYKI MUTLU G., KARAÖMERLİOĞLU İ., ALTAN V. M.

ISOPS-11, 9 - 12 June 2015

- XIX. **Beta 3 Adrenoceptor Mediated Responses In Diabetic Rat Thoracic Aorta**  
ARIOĞLU İNAN E., KAYKI MUTLU G., KARAÖMERLİOĞLU İ., ALTAN V. M.  
7th Annual Meeting of the Diabetes and Cardiovascular Disease, Milan, Italy, 6 - 08 November 2014
- XX. **The possible contribution of thyroid hormones to insulin effect on beta adrenoceptor mediated cardiac responses in diabetic rats**  
ARIOĞLU İNAN E., ÖZAKCA I., KAYKI MUTLU G., SEPİCİ DİNÇEL A., ALTAN V. M.  
D&CVD 2012, 15 - 17 November 2012
- XXI. **Nebivolol but not metoprolol prevents functional morphologic and molecular abnormalities induced by isoprenaline in rat heart**  
ÖZÇELİKAY A. T., ÖZAKCA I., ARIOĞLU İNAN E., ALTAN V. M.  
6th European Congress of Pharmacology, EPHAR 2012, 17 - 20 July 2012
- XXII. **Functional consequences of diabetes induced changes on the expression of cardiac beta-adrenoceptors in rats.**  
GÜNER Ş., ARIOĞLU İNAN E., ÖZAKCA I., ALTAN V. M.  
4th Annual Meeting DCVD EASD Study Group Meeting, 27 - 29 October 2011
- XXIII. **Increased tolerance by diabetes against ischemia reperfusion injury in rat heart is independent from heart rate**  
ALTUNKAYNAK H. Ö., ARIOĞLU İNAN E., ÖZAKCA I., KAYKI MUTLU G., ÖZÇELİKAY A. T.  
International Symposium on New Approaches in Cardiovascular Disorders, NACD2011, 4 - 08 May 2011
- XXIV. **The effects of diabetes on beta 3 adrenoceptor mediated cardiac responses**  
KAYKI MUTLU G., ARIOĞLU İNAN E., ÖZAKCA I., ÖZÇELİKAY A. T., ALTAN V. M.  
14th Annual Meeting Of The European Council For Cardiovascular Research, Nice, France, 9 - 11 October 2009, vol.54, pp.1180
- XXV. **The effects of diabetes on B3-adrenoceptor-mediated cardiac responses**  
KAYKI MUTLU G., ARIOĞLU İNAN E., ÖZAKCA GÜNDÜZ I., ÖZÇELİKAY A. T., ALTAN V. M.  
14th Annual Meeting of the European Council for Cardiovascular Research (ECCR), 9 - 11 October 2009
- XXVI. **The effect of beta adrenoceptor subtypes on cardiac function in hypothyroidism**  
ARIOĞLU İNAN E., GÜNER Ş., ÖZAKCA GÜNDÜZ I., ALTAN V. M., ÖZÇELİKAY A. T.  
NATO Advanced Research Workshop on Translational Knowledge for Heart Health, 12 - 16 May 2008
- XXVII. **The Effects of Prediabetes on Responsiveness and Expression of Cardiac Beta-adrenoceptors**  
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## Supported Projects

Kayki Mutlu G., Arioğlu İnan E., Olğar Y., TÜBİTAK Project, G protein reseptör kinaz 2 S-nitrozilasyonunun mitokondri fonksiyonuna etkisinin iskemi- reperfüzyon modelinde değerlendirilmesi, 2022 - 2024

Arioğlu İnan E., TÜBİTAK International Bilateral Joint Cooperation Program Project, Deneysel Diabette Üriner Mesane

Hipertrofisi, 2020 - 2022

Ariođlu İnan E., TUBITAK Project, Linagliptin ve Empagliflozin Tedavilerinin STZ Diabetik Sıçan Kalbinde Olası Etkilerinin miRNA lar Üzerinden Karşılaştırmalı Olarak Deđerlendirilmesi, 2019 - 2022

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## Metrics

Publication: 79

Citation (WoS): 404

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