

## **Prof. Dr. HAKAN GÜRDAL**

### **Kişisel Bilgiler**

**Web:** <https://avesis.ankara.edu.tr/gurdal>

#### **Uluslararası Araştırmacı ID'leri**

ScholarID: bJSIPjEAAAAJ

ORCID: 0000-0003-4751-2372

Publons / Web Of Science ResearcherID: A-3570-2016

Yoksis Araştırmacı ID: 169644

### **Eğitim Bilgileri**

Tıpta Uzmanlık, Ankara Üniversitesi, Ankara Tıp Fakültesi, Türkiye 1987 - 2020

Lisans, Ankara Üniversitesi, Ankara Tıp Fakültesi, Türkiye 1981 - 1987

### **Araştırma Alanları**

Tıp, Moleküler Biyoloji ve Genetik, Temel Tıp Bilimleri

### **Akademik Unvanlar / Görevler**

Prof.Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1988 - Devam Ediyor

### **Akademik İdari Deneyim**

Ankara Üniversitesi, 2013 - 2016

### **Verdiği Dersler**

Kemik mineralizasyonunu etkileyen ilaçlar, Lisans, 2015 - 2016

Adrenokortikosteroitler ve adrenokortikal antagonistler, Lisans, 2015 - 2016

Ağrı kesiciler, Lisans, 2015 - 2016

Tiroit ve antitiroit ilaçlar, Lisans, 2015 - 2016

Uzmanlık Alan Dersi, Doktora, 2015 - 2016

Opioit ve türevleri, Lisans, 2015 - 2016

Vitaminler, Lisans, 2015 - 2016

Pankreas hormonları ve antidiabetik ilaçlar, Lisans, 2015 - 2016

Hipotalamik ve hipofiz hormonları, Lisans, 2015 - 2016

Gonadal hormonlar ve inhibitörleri, Lisans, 2015 - 2016

### **Yönetilen Tezler**

Gürdal H., DUSP1 PROTEİNİN MEME KANSERİ ÜZERİNDEKİ ETKİLERİNİN ARAŞTIRILMASI, Tıpta Uzmanlık,

S.METİN(Öğrenci), 2023

GÜRDAL H., Beta arrestin proteinlerinin meme kanseri hücrelerinin regülasyonuna etkileri, Doktora, S.YARI(Öğrenci),

2021

GÜRDAL H., Beta-adrenerjik reseptör ligandlarının meme kanseri hücrelerinin regülasyonuna etkisi, Tıpta Uzmanlık, M.MERVE(Öğrenci), 2016

GÜRDAL H., Ghrelinin vasküler etkilerinin karakterizasyonu, Doktora, F.ADEMOĞLU(Öğrenci), 2006

GÜRDAL H., Yaş artışının sıçan damar düz kasında beta 2 adrenerjik reseptör aracılı yanıtlarına etkisinin incelenmesi, Tıpta Uzmanlık, E.BALOĞLU(Öğrenci), 2005

GÜRDAL H., Gi proteinine kenetli reseptörler aracılı vasküler kasılma yanıtlarının mekanizmalarının incelenmesi: 5-HT1 reseptör aracılı vasküler kasılma yanıtı, Tıpta Uzmanlık, D.AKIN(Öğrenci), 2001

## Jüri Üyelikleri

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Ankara Üniversitesi, Eylül, 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **miR-216b-5p promotes late apoptosis/necroptosis in trastuzumab-resistant SK-BR-3 cells**  
Dolapci I. B., Noyan S., YUCEL POLAT A., Gurdal H., Gur Dedeoglu B.  
Turkish Journal of Biology, cilt.47, sa.3, ss.199-207, 2023 (SCI-Expanded)
- II. **The Ca<sup>2+</sup>/CaM, Src kinase and/or PI3K-dependent EGFR transactivation via 5-HT2A and 5-HT1B receptor subtypes mediates 5-HT-induced vasoconstriction**  
Guner S., Akhayeva T., Nichols C. D., GÜRDAL H.  
Biochemical Pharmacology, cilt.206, 2022 (SCI-Expanded)
- III. **miR-770-5p regulates EMT and invasion in TNBC cells by targeting DNMT3A**  
Noyan S., Ozketen A. A., Gürdal H., Gür Dedeoğlu B.  
CELLULAR SIGNALLING, cilt.83, 2021 (SCI-Expanded)
- IV. **MiR-25 and KLF4 relationship has early prognostic significance in the development of cervical cancer**  
Polat A. Y., Ayva E. S., GÜRDAL H., ÖZDEMİR B. H., GÜR DEDEOĞLU B.  
PATHOLOGY RESEARCH AND PRACTICE, cilt.222, 2021 (SCI-Expanded)
- V. **Assessment of replication of bovine herpesvirus type 4 in human glioblastoma and breast cancer cells as a potential oncolytic virus**  
Aligholipour Farzani T., BİLGE DAĞALP S., ÖZKUL A., GÜRDAL H., Dogan F., ALKAN F.  
VIRUS GENES, cilt.57, sa.1, ss.31-39, 2021 (SCI-Expanded)
- VI. **Overexpression of beta-Arrestins inhibits proliferation and motility in triple negative breast cancer cells**  
Bostanabad S. Y., Noyan S., GÜR DEDEOĞLU B., GÜRDAL H.  
SCIENTIFIC REPORTS, cilt.11, sa.1, 2021 (SCI-Expanded)
- VII. **Immunological Analysis of a CCHFV mRNA Vaccine Candidate in Mouse Models**  
Farzani T. A., Foldes K., ERGÜNAY K., GÜRDAL H., Bastug A., ÖZKUL A.  
VACCINES, cilt.7, sa.3, 2019 (SCI-Expanded)
- VIII. **Involvement of miR-770-5p in trastuzumab response in HER2 positive breast cancer cells**  
Noyan S., GÜRDAL H., GÜR DEDEOĞLU B.  
PLOS ONE, cilt.14, sa.4, 2019 (SCI-Expanded)
- IX. **Partial agonistic effect of cetuximab on epidermal growth factor receptor and Src kinase activation in triple-negative breast cancer cell lines**  
GÜRDAL H., Tuglu M. M., Bostanabad S. Y., Dalkilic B.

- INTERNATIONAL JOURNAL OF ONCOLOGY, cilt.54, sa.4, ss.1345-1356, 2019 (SCI-Expanded)
- X. **Class III beta-tubulin Expression in Colorectal Neoplasms Is a Potential Predictive Biomarker for Paclitaxel Response**  
Oztop S., Isik A., GÜRDAL H., KARABULUT E., YILMAZ E., AKYOL A.  
ANTICANCER RESEARCH, cilt.39, sa.2, ss.655-662, 2019 (SCI-Expanded)
- XI. **The role of dual-specificity phosphatase 1 and protein phosphatase 1 in (2)-adrenergic receptor-mediated inhibition of extracellular signal regulated kinase 1/2 in triple negative breast cancer cell lines**  
Tuglu M. M., Bostanabad S. Y., Ozyon G., Dalkilic B., GÜRDAL H.  
MOLECULAR MEDICINE REPORTS, cilt.17, sa.1, ss.2033-2043, 2018 (SCI-Expanded)
- XII. **Binding of Amitriptyline to Adenosine A(1) or A(2a) Receptors Using Radioligand Binding Assay**  
KALKAN Ş., HOCAOĞLU AKSAY N., Buyukdeligoz M., GÜRDAL H.  
INTERNATIONAL JOURNAL OF PHARMACOLOGY, cilt.14, sa.1, ss.116-120, 2018 (SCI-Expanded)
- XIII. **Relevance of seminal plasma nitric oxide levels and the efficacy of SSRI treatment on lifelong premature ejaculation**  
Kirecci S. L., Simsek A., Yuksel A., GÜRDAL H., Gurbuz Z. G., Usanmaz S.  
ANDROLOGIA, cilt.46, sa.10, ss.1169-1175, 2014 (SCI-Expanded)
- XIV. **Intracellular Transactivation of Epidermal Growth Factor Receptor by alpha(1A)-Adrenoceptor Is Mediated by Phosphatidylinositol 3-Kinase Independently of Activation of Extracellular Signal Regulated Kinases 1/2 and Serine-Threonine Kinases in Chinese Hamster Ovary Cells**  
Ulu N., Henning R. H., GÜNER Ş., Zoto T., Duman-Dalkilic B., Duin M., GÜRDAL H.  
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, cilt.347, sa.1, ss.47-56, 2013 (SCI-Expanded)
- XV. **Epidermal Growth Factor Receptor Inhibitor PKI-166 Governs Cardiovascular Protection without Beneficial Effects on the Kidney in Hypertensive 5/6 Nephrectomized Rats**  
Ulu N., Mulder G. M., Vavrinec P., Landheer S. W., Duman-Dalkilic B., GÜRDAL H., Goris M., Duin M., van Dokkum R. P. E., Buikema H., et al.  
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, cilt.345, sa.3, ss.393-403, 2013 (SCI-Expanded)
- XVI. **alpha(1)-Adrenoceptor-mediated contraction of rat aorta is partly mediated via transactivation of the epidermal growth factor receptor**  
Ulu N., GÜRDAL H., Landheer S. W., Duin M., Guc M. O., Buikema H., Henning R. H.  
BRITISH JOURNAL OF PHARMACOLOGY, cilt.161, sa.6, ss.1301-1310, 2010 (SCI-Expanded)
- XVII. **Selenium restores defective beta-adrenergic receptor response of thoracic aorta in diabetic rats**  
Zeydanli E. N., Bilginoglu A., Tanriverdi E., GÜRDAL H., Turan B.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, cilt.338, sa.1-2, ss.191-201, 2010 (SCI-Expanded)
- XVIII. **Effects of beta-adrenergic receptor blockers on cardiac function: a comparative study in male versus female rats**  
TUNCAY E., Seymen A. A., Sam P., GÜRDAL H., Turan B.  
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, cilt.87, sa.4, ss.310-317, 2009 (SCI-Expanded)
- XIX. **The effect of long-term resveratrol treatment on relaxation to estrogen in aortae from male and female rats: Role of nitric oxide and superoxide**  
Soylemez S., GÜRDAL H., Sepici A., AKAR F.  
VASCULAR PHARMACOLOGY, cilt.49, sa.2-3, ss.97-105, 2008 (SCI-Expanded)
- XX. **The role of gender differences in beta-adrenergic receptor responsiveness of diabetic rat heart**  
BİLGİNOĞLU A., ÇİÇEK F., Ugur M., GÜRDAL H., Turan B.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, cilt.305, sa.1-2, ss.63-69, 2007 (SCI-Expanded)
- XXI. **The role of Gi proteins in reduced vasorelaxation response to beta-adrenoceptor agonists in rat aorta during maturation**  
Baloglu E., Kiziltepe O., GÜRDAL H.  
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.564, sa.1-3, ss.167-173, 2007 (SCI-Expanded)
- XXII. **The characterization of the vascular effects of ghrelin on rat aorta.**

- Ademoglu F., Abacioglu N., Baloglu E., GÜRDAL H.  
ACTA PHARMACOLOGICA SINICA, cilt.27, ss.154, 2006 (SCI-Expanded)
- XXIII. **Airway smooth muscle relaxations induced by dipyrone**  
Gulmez S. E., GÜRDAL H., Tulinay F. C.  
PHARMACOLOGY, cilt.78, sa.4, ss.202-208, 2006 (SCI-Expanded)
- XXIV. **Effects of diabetes on ryanodine receptor Ca release channel (RyR2) and Ca<sup>2+</sup> homeostasis in rat heart**  
YARAŞ N., Ugur M., ÖZDEMİR S., GÜRDAL H., Purali N., Lacampagne A., Vassort G., Turan B.  
DIABETES, cilt.54, sa.11, ss.3082-3088, 2005 (SCI-Expanded)
- XXV. **The role of nitric oxide synthase in reduced vasocontractile responsiveness induced by prolonged alpha(1)-adrenergic receptor stimulation in rat thoracic aorta**  
GÜRDAL H., Can A., Ugur M.  
BRITISH JOURNAL OF PHARMACOLOGY, cilt.145, sa.2, ss.203-210, 2005 (SCI-Expanded)
- XXVI. **Effect of Candida albicans septicemia on the cardiovascular function of rabbits**  
Buluc M., Ataoglu H., DOĞAN D., Ergun H., GÜRDAL H., Erdemli E., DEMİREL YILMAZ E.  
INTERNATIONAL IMMUNOPHARMACOLOGY, cilt.5, sa.5, ss.893-901, 2005 (SCI-Expanded)
- XXVII. **Serotonergic activity and the Beck Depression Inventory in the premenstrual syndrome**  
Engin-Ustun Y., Ustun Y., GÜRDAL H., Gungor M.  
JOURNAL OF REPRODUCTIVE MEDICINE, cilt.50, sa.5, ss.327-331, 2005 (SCI-Expanded)
- XXVIII. **Fatigue of cholestasis and the serotoninergic neurotransmitter system in the rat**  
Celik T., Goren M., Cinar K., GÜRDAL H., ÖNDER F. O., Tan A., TERZİOĞLU BEBİTOĞLU B., Bozdayi A., Bozkaya H., Uzunalimoglu O., et al.  
HEPATOLOGY, cilt.41, sa.4, ss.731-737, 2005 (SCI-Expanded)
- XXIX. **Treatment with AT(1) receptor blocker restores diabetes-induced alterations in intracellular Ca<sup>2+</sup> transients and contractile function of rat myocardium**  
ÖZDEMİR S., Ugur M., GÜRDAL H., Turan B.  
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, cilt.435, sa.1, ss.166-174, 2005 (SCI-Expanded)
- XXX. **Inverse agonism at β-adrenergic receptors: Therapeutic implications**  
GÜRDAL H.  
Expert Review of Neurotherapeutics, cilt.2, sa.2, ss.261-269, 2002 (SCI-Expanded)
- XXXI. **< i>Candida albicans</i> depress cardiovascular function of rabbit**  
Buluc M., Ataoglu H., Dogan D., Ergun H., Erdemli E., GÜRDAL H., DEMİREL YILMAZ E.  
JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, sa.6, 2002 (SCI-Expanded)
- XXXII. **Agonist-directed trafficking explaining the difference between response pattern of naratriptan and sumatriptan in rabbit common carotid artery**  
Akin D., ONARAN H. O., GÜRDAL H.  
BRITISH JOURNAL OF PHARMACOLOGY, cilt.136, sa.2, ss.171-176, 2002 (SCI-Expanded)
- XXXIII. **Involvement of 5-HT1B and 5-HT1D receptors in sumatriptan mediated vasocontractile response in rabbit common carotid artery**  
Akin D., GÜRDAL H.  
BRITISH JOURNAL OF PHARMACOLOGY, cilt.136, sa.2, ss.177-182, 2002 (SCI-Expanded)
- XXXIV. **Is fatigue of cholestasis mediated by altered central serotoninergic neurotransmission?**  
Celik T., Aslan N., Goren Z., GÜRDAL H., Degim T., TÖRÜNER M., Cinar K., Uzbay T., Bozkaya H., Yurdaydin C.  
JOURNAL OF HEPATOLOGY, cilt.36, ss.29, 2002 (SCI-Expanded)
- XXXV. **Spleen damage in endotoxaemic mice: The involvement of nitric oxide**  
Yilmaz G., Gursoy-Ozdemir Y., Dogan A., GÜRDAL H., Gedikoglu G., Dalkara T., Guc M.  
JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, cilt.52, sa.4, ss.729-744, 2001 (SCI-Expanded)
- XXXVI. **Is fatigue of cholestasis mediated by altered central serotoninergic neurotransmission?.**  
Yurdaydin C., Celik T., Goren Z., GÜRDAL H., Degim T., TÖRÜNER M., Cinar K., Uzbay T., Bozkaya H.  
HEPATOLOGY, cilt.34, sa.4, 2001 (SCI-Expanded)
- XXXVII. **Quasi-irreversible binding of agonist to beta-adrenoceptors and formation of non-dissociating**

- receptor-G(s) complex in the absence of guanine nucleotides**  
ONARAN H. O., GÜRDAL H.  
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.425, sa.3, ss.181-188, 2001 (SCI-Expanded)
- XXXVIII. Short-term effects of three continuous hormone replacement therapy regimens on platelet tritiated imipramine binding and mood scores: a prospective randomized trial**  
Bukulmez O., AL R. A., GÜRDAL H., Yarali H., Ulug B., Gurgan T.  
FERTILITY AND STERILITY, cilt.75, sa.4, ss.737-743, 2001 (SCI-Expanded)
- XXXIX. The effects of agonist stimulation and beta(2)-adrenergic receptor level on cellular distribution of Gs(alpha) protein**  
Can A., Sayar K., Friedman E., Ambrosio C., Erdemli E., GÜRDAL H.  
CELLULAR SIGNALLING, cilt.12, sa.5, ss.303-309, 2000 (SCI-Expanded)
- XL. Dietary selenium and vitamin E intakes alter beta-adrenergic response of L-type Ca-current and beta-adrenoceptor-adenylate cyclase coupling in rat heart**  
Sayar K., Ugur M., GÜRDAL H., ONARAN H. O., Hotomaroglu O., Turan B.  
JOURNAL OF NUTRITION, cilt.130, sa.4, ss.733-740, 2000 (SCI-Expanded)
- XLI. Receptor dimerization and Hill coefficients - Reply**  
ONARAN H. O., GÜRDAL H.  
TRENDS IN PHARMACOLOGICAL SCIENCES, cilt.20, sa.9, ss.358, 1999 (SCI-Expanded)
- XLII. Ligand efficacy and affinity in an interacting 7TM receptor model**  
ONARAN H. O., GÜRDAL H.  
TRENDS IN PHARMACOLOGICAL SCIENCES, cilt.20, sa.7, ss.274-278, 1999 (SCI-Expanded)
- XLIII. Decrease in apparent alpha(1)-adrenoceptor G protein coupling during maturation in rat aorta**  
GÜRDAL H., Friedman E., Johnson M., ONARAN H. O.  
JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES, cilt.53, sa.4, 1998 (SCI-Expanded)
- XLIV. Contribution of spontaneous beta-adrenoceptor activity in forskolin stimulated adenylyl cyclase activity in rat heart membranes.**  
Akin D., Tom B., ONARAN H. O., GÜRDAL H.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, cilt.358, sa.1, 1998 (SCI-Expanded)
- XLV. Contribution of spontaneous beta-adrenoceptor activity in forskolin stimulated adenylyl cyclase activity in rat heart membranes.**  
Akin D., Tom B., ONARAN H. O., GÜRDAL H.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, cilt.358, sa.1, 1998 (SCI-Expanded)
- XLVI. Effect of dietary selenium intake on beta-adrenoceptor-adenylyl cyclase coupling in the membranes of rat heart.**  
Sayar K., Ugur M., Turan B., GÜRDAL H., ONARAN H. O.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, cilt.358, sa.1, 1998 (SCI-Expanded)
- XLVII. Role of G(alpha q) or G(alpha o) proteins in alpha(1)-adrenoceptor subtype mediated responses in Fischer 344 rat aorta**  
GÜRDAL H., Seasholtz T., Wang H., Brown R., Johnson M., Friedman E.  
MOLECULAR PHARMACOLOGY, cilt.52, sa.6, ss.1064-1070, 1997 (SCI-Expanded)
- XLVIII. Heterologous desensitization of the rat tail artery contraction and inositol phosphate accumulation after in vitro exposure to phenylephrine is mediated by decreased levels of G(alpha q) and G(alpha i)**  
Seasholtz T., GÜRDAL H., Wang H., Cai G., Johnson M., Friedman E.  
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, cilt.283, sa.2, ss.925-931, 1997 (SCI-Expanded)
- XLIX. Heterologous desensitization of the rat tail artery contraction and inositol phosphate accumulation after in vitro exposure to phenylephrine is mediated by decreased levels of G(alpha q) and G(alpha i)1**  
Seasholtz T. M., Gurdal H., Wang H., Cai G., Johnson M. D., Friedman E.  
Journal of Pharmacology and Experimental Therapeutics, cilt.283, sa.2, ss.925-931, 1997 (SCI-Expanded)

- L. An efficacy-dependent effect of cardiac overexpression of beta(2)-adrenoceptor on ligand affinity in transgenic mice  
GÜRDAL H., Bond R., Johnson M., Friedman E., ONARAN H. O.  
MOLECULAR PHARMACOLOGY, cilt.52, sa.2, ss.187-194, 1997 (SCI-Expanded)
- LI. Desensitization of norepinephrine receptor function is associated with G protein uncoupling in the rat aorta  
Seasholtz T., GÜRDAL H., Wang H., Johnson M., Friedman E.  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, cilt.273, sa.1, 1997 (SCI-Expanded)
- LII. An efficacy-dependent effect of cardiac overexpression of  $\beta$ 2- adrenoceptor on ligand affinity in transgenic mice  
GÜRDAL H., Bond R. A., Johnson M. D., Friedman E., ONARAN H. O.  
Molecular Pharmacology, cilt.52, sa.2, ss.187-194, 1997 (SCI-Expanded)
- LIII. Cardiovascular hypertrophy and increased vascular contractile responsiveness following repeated cocaine administration in rabbits  
Sutliff R., Cai G., GÜRDAL H., Snyder D., Roberts J., Johnson M.  
LIFE SCIENCES, cilt.58, sa.8, ss.675-682, 1996 (SCI-Expanded)
- LIV. The expression of alpha(1) adrenoceptor subtypes changes with age in the rat aorta  
GÜRDAL H., Tilakaratne N., Brown R., Fonseca M., Friedman E., Johnson M.  
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, cilt.275, sa.3, ss.1656-1662, 1995 (SCI-Expanded)
- LV. BETA-ADRENOCEPTOR-G(ALPHA-S) COUPLING DECREASES WITH AGE IN RAT AORTA  
GÜRDAL H., FRIEDMAN E., JOHNSON M.  
MOLECULAR PHARMACOLOGY, cilt.47, sa.4, ss.772-778, 1995 (SCI-Expanded)
- LVI. EFFECTS OF DIETARY RESTRICTION ON THE CHANGE IN AORTIC ALPHA(1)-ADRENOCEPTOR MEDIATED RESPONSES DURING AGING IN FISCHER-344 RATS  
GÜRDAL H., FRIEDMAN E., JOHNSON M.  
JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES, cilt.50, sa.2, 1995 (SCI-Expanded)
- LVII. DESENSITIZATION OF VASCULAR PHOSPHOLIPASE-C ACTIVITY  
SEASHOLTZ T., GÜRDAL H., WANG H., FRIEDMAN E., JOHNSON M.  
FASEB JOURNAL, cilt.9, sa.4, 1995 (SCI-Expanded)
- LVIII. PRENATAL COCAINE EXPOSURE ALTERS NOREPINEPHRINE RELEASE FROM CARDIAC ADRENERGIC-NERVE TERMINALS  
SNYDER D., GAYHEART P., JOHNSON M., GÜRDAL H., ROBERTS J.  
LIFE SCIENCES, cilt.56, sa.18, ss.1475-1484, 1995 (SCI-Expanded)
- LIX. BETA-ADRENOCEPTOR-G(ALPHA-S) COUPLING DECREASES WITH AGE IN THE RAT AORTA  
GÜRDAL H., FRIEDMAN E., JOHNSON M.  
FASEB JOURNAL, cilt.9, sa.3, 1995 (SCI-Expanded)
- LX. ALPHA(1)-ADRENOCEPTOR RESPONSIVENESS IN THE AGING AORTA  
GÜRDAL H., CAI G., JOHNSON M.  
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.274, sa.1-3, ss.117-123, 1995 (SCI-Expanded)
- LXI. AGE-RELATED-CHANGES IN ANGIOTENSIN II-STIMULATED VASCULAR CONTRACTION AND INOSITOL PHOSPHATE ACCUMULATION IN FISCHER-344 RATS  
CAI G., GÜRDAL H., SEASHOLTZ T., JOHNSON M.  
MECHANISMS OF AGEING AND DEVELOPMENT, cilt.76, sa.2-3, ss.125-133, 1994 (SCI-Expanded)
- LXII. PRENATAL COCAINE EXPOSURE AFFECTS THE DEVELOPMENT OF AORTIC ADRENERGIC-INNervation AND CONTRACTILE RESPONSES  
JOHNSON M., GÜRDAL H., CAI G., SNYDER D., ROBERTS J.  
LIFE SCIENCES, cilt.55, sa.17, ss.1327-1335, 1994 (SCI-Expanded)
- LXIII. PRENATAL COCAINE EXPOSURE AFFECTS DEVELOPMENT OF AORTIC ADRENERGIC-INNervation

- JOHNSON M., GÜRDAL H., SNYDER D., ROBERTS J.  
FASEB JOURNAL, cilt.7, sa.4, 1993 (SCI-Expanded)
- LXIV. ALPHA-1 RECEPTOR SUBTYPES IN THE AGING AORTA**  
GÜRDAL H., JOHNSON M.  
FASEB JOURNAL, cilt.7, sa.3, 1993 (SCI-Expanded)
- LXV. PRENATAL COCAINE EXPOSURE AFFECTS DEVELOPMENT OF CARDIAC ADRENERGIC-INNERVATION**  
ROBERTS J., SNYDER D., GÜRDAL H., JOHNSON M.  
FASEB JOURNAL, cilt.7, sa.4, 1993 (SCI-Expanded)
- LXVI. EFFECTS OF CALCIUM-CHANNEL BLOCKERS ON FORMALIN-INDUCED NOCICEPTION AND INFLAMMATION IN RATS**  
GÜRDAL H., SARA Y., TULUNAY F.  
PHARMACOLOGY, cilt.44, sa.5, ss.290-296, 1992 (SCI-Expanded)
- LXVII. ROLE OF ALPHA-ADRENOCEPTORS IN THE EFFECTS OF BUSPIRONE AND 5-CARBOXYAMIDOTRYPTAMINE IN RABBIT ISOLATED THORACIC AORTA**  
GÜRDAL H., ONARAN H. O., TULUNAY F.  
GENERAL PHARMACOLOGY, cilt.23, sa.1, ss.43-47, 1992 (SCI-Expanded)
- LXVIII. THE EFFECTS OF IONS ON ANTIBACTERIAL ACTIVITY OF OFLOXACIN AND CEFTRIAZONE**  
GÜRDAL H., USANMAZ S., TULUNAY F.  
CHEMOTHERAPY, cilt.37, sa.4, ss.251-255, 1991 (SCI-Expanded)
- LXIX. HETEROGENEOUS INHIBITORY EFFECT OF NITRENDIPINE ON 5-HT-RESPONSES IN RABBIT VASCULAR TISSUES**  
GÜRDAL H., TULUNAY F.  
GENERAL PHARMACOLOGY-THE VASCULAR SYSTEM, cilt.22, sa.6, ss.1049-1053, 1991 (SCI-Expanded)
- LXX. POST ANTIBIOTIC EFFECT OF OFLOXACIN AND THE ACTIVITY OF MG++**  
GÜRDAL H., TULUNAY F., ALTAY G.  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, cilt.26, sa.2, ss.291-292, 1990 (SCI-Expanded)
- LXXI. THE EFFECTS OF CALCIUM-CHANNEL BLOCKERS ON FORMALIN INDUCED PAW EDEMA IN RATS**  
GÜRDAL H., TULUNAY F.  
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.183, sa.6, ss.2260-2261, 1990 (SCI-Expanded)

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. miR-16-5p and E2F-dependent miRNA-TF-mRNA Regulatory Circuits in Breast Cancer  
Karaoglu B., NOYAN S., GÜRDAL H., GÜR DEDEOĞLU B.  
European Association for Cancer Research 2021 Virtual Congress (EACR 2021), 9 - 12 Haziran 2021
- II. Partial agonist action of cetuximab on epidermal growth factor receptor.  
GÜRDAL H.  
Cancer Research Drug Development, Baltimore, Amerika Birleşik Devletleri, 21 - 23 Ekim 2019
- III. Does b-Adrenergic receptor stimulation produce anti-proliferative response in triple negative breast cancer cells?  
GÜRDAL H., TUĞLU M. M., Bostanabad S., Dalkılıç B.  
31. International Association for Breast Cancer Research Conference, Egmond, Hollanda, 15 - 18 Nisan 2019
- IV. PO-352 The effects of lapatinib responsive mirna on cell proliferation and cell invasion in HER2 Breast cancer cell line  
Cilek E., GÜRDAL H., GÜR DEDEOĞLU B.  
RNA Biology in Cancer (Splicing, Noncoding RNAs, RNA Modifications), 30 Haziran - 03 Temmuz 2018
- V. PO-355 Antitumor activity of hsa-mir-X in HER2 positive cells is mediated by the regulation of AKT and ERK  
Noyan S., GÜRDAL H., GÜR DEDEOĞLU B.  
RNA Biology in Cancer (Splicing, Noncoding RNAs, RNA Modifications), 30 Haziran - 03 Temmuz 2018

- VI. **Terapötik hedef olarak EGFR sinyal yoluğu ve monoklonal antikorlar**  
GÜRDAL H.  
24. Ulusal farmakoloji Kongresi, Türkiye, 17 - 20 Ekim 2017, ss.44
- VII. **The role of hsa-miR-X in cell motility and invasion in triple-negative breast cancer cell line**  
GÜR DEDEOĞLU B., GÜRDAL H., Noyan S.  
28<sup>th</sup> EORTC – NCI – AACR Symposium on Molecular Targets and Cancer Therapeutics, Munich, Almanya, 29 Kasım - 02 Aralık 2016, ss.57-58
- VIII. **Hsa- miR-X modulates motility and invasion in triple negative breast cancer cell line.**  
GÜR DEDEOĞLU B., GÜRDAL H., Noyan S.  
41<sup>st</sup> FEBS Congress, 3 - 08 Eylül 2016, cilt.283, ss.127
- IX.  **$\alpha$ 1- and  $\beta$ -adrenoceptor mediated transactivation of epithelial growth factor receptor in DU145 prostate cancer cell lines**  
GÜRDAL H., TUĞLU M. M., ÖZYÖN G., Dalkılıç B.  
7<sup>th</sup> European Congress of Pharmacology EPHAR2016 Military, İstanbul, Türkiye, 26 Haziran 2016, ss.532
- X. **High glucose-induced src kinase activity causes 5-Hydroxytryptamine receptor subtypes mediated EGFR transactivation in A7R5 cell**  
GÜRDAL H., Guner S., Akhayeva T.  
7<sup>th</sup> European Congress of Pharmacology EPHAR2016 Military, İstanbul, Türkiye, 26 Haziran 2016, ss.158
- XI.  **$\beta$ -adrenoceptor mediated antiproliferative effect in MB 231 breast cancer cells does not depend on the inhibition of extracellular regulated kinase 1/2 activity**  
TUĞLU M. M., GÜRDAL H., ÖZYÖN G.  
7<sup>th</sup> European Congress of Pharmacology EPHAR2016 Military Museum and Cultural Center June 26-30 2016, İstanbul, TURKEY www.ephar2016.org Congress Book, İstanbul, Türkiye, 26 Haziran 2016, ss.477
- XII. **The effect of adrenergic stimulation on proliferation and growth hormone receptor activation EGFR in MB 231 breast cancer cells**  
TUĞLU M. M., Özyon G., GÜRDAL H.  
the GPCRs: Beyond Structure Towards Therapy, 16 - 18 Eylül 2015
- XIII. **Büyüme Hormon Reseptörlerinin G Protein Kenetli Reseptörler ile Transaktivasyonu**  
GÜRDAL H.  
TFD XXIII. Ulusal Farmakoloji Kongresi, Türkiye, 7 - 10 Eylül 2015
- XIV. **DU145 PROSTAT KANSERİ HÜCRELERİİNDE 1 ve ADRENERJİK RESEPTÖRLER ARACILI BüYÜME HORMON RESEPTÖR TRANSAKTİVASYONU**  
Gözde Ö., TUĞLU M. M., Başak D. D., GÜRDAL H.  
23. Ulusal Farmakoloji Kongresi, Türkiye, 7 - 10 Eylül 2015
- XV. **MB 231 meme kanseri hücrelerinde adrenerjik reseptör uyarısının hücre çoğalması ve büyümeye hormon reseptör EGFR aktivasyonuna etkisi**  
TUĞLU M. M., Özyon G., GÜRDAL H.  
23. Ulusal Farmakoloji Kongresi, Türkiye, 7 - 10 Eylül 2015
- XVI. **5-Hydroxytryptamine mediated vasoconstriction and Ca2/Calmodulin and Src-kinase dependent Epidermal Growth Factor Receptor Transactivation in Rat aorta (1065.7)**  
Guner S., Dalkiliç B., GÜRDAL H.  
The Federation of American Societies for Experimental Biology, Amerika Birleşik Devletleri, 1 - 05 Nisan 2014
- XVII. **5 Hydroxytryptamine mediated vasoconstriction and Ca2 Calmodulin and Src kinase dependent epidermal growth factor receptor transactivation in rat aorta**  
Güner S., Özakca I., Kandilci H. B., Zoto Mustafayeva T., Duman Dalkılıç B., Gürdal H.  
Experimental Biology 2014, California, Amerika Birleşik Devletleri, 26 - 30 Nisan 2014, cilt.28, ss.1065
- XVIII. **Dejeneratif ciddi mitral yetmezliği olan atriyal fibrilasyonlu ve sinüs ritimli hastaların atriyal dokularında gen ifade değişimlerinin genom ebadında karşılaştırılması**  
ÇUBUKÇUOĞLU DENİZ G., DURDU M. S., DOĞAN Y., Özkeserli Z., GÜRDAL H., AKAR A. R.  
Türk Kalp ve Damar Cerrahisi Derneği 12. Ulusal Kongresi, Türkiye, 8 - 11 Kasım 2012
- XIX. **Beneficial effects of long-term treatment with beta-adrenergic blocker on depressed heart function**

#### **of female rats**

Seymen A., TUNCAY E., GÜRDAL H., Turan B.

28th Annual Meeting of the European Section of the International-Society-for-Heart-Research, Athens, Yunanistan, 28 - 31 Mayıs 2008, cilt.44, ss.816

**XX. Beneficial effect of sodium selenate on vascular dysfunction in diabetic rats**

Zeydanli E., Tanrıverdi E., Seymen A., TUNCAY E., GÜRDAL H., Koksoy A., Turan B.

19th World Congress of the International-Society-for-Heart-Research, Bologna, İtalya, 22 - 25 Haziran 2007, cilt.42

**XXI. Role of sex differences in beta-adrenergic receptor responsiveness of diabetic rat heart**

BİLGİNOĞLU A., Amber F., Ugur M., GÜRDAL H., Turan B.

19th World Congress of the International-Society-for-Heart-Research, Bologna, İtalya, 22 - 25 Haziran 2007, cilt.42

**XXII. Parameters of calcium sparks are altered in ventricular cardiomyocytes from type 1 diabetic rats**

YARAŞ N., ÖZDEMİR S., Ugur M., GÜRDAL H., Puralı N., Lacampagne A., Vassort G., Turan B.

25th Annual Scientific Session of the European Section of the International-Society-for-Heart-Research, Tromso, Norveç, 21 - 25 Haziran 2005, cilt.38, ss.1076-1077

**XXIII. Diabetes-induced alterations in parameters of calcium sparks of cardiomyocytes from rats**

YARAŞ N., ÖZDEMİR S., Ugur M., GÜRDAL H., Puralı N., Lacampagne A., Vassort G., Turan B.

27th Annual Meeting of the American Section of the International-Society-of-Heart-Research, Louisiana, Amerika Birleşik Devletleri, 12 - 15 Mayıs 2005, cilt.38, ss.816

**XXIV. Chronic treatment with beta-adrenergic receptor antagonists restores impaired beta-adrenergic receptor mediated responses during maturation and aging in rat aorta**

Baloglu E., GÜRDAL H.

Experimental Biology 2005 Meeting/35th International Congress of Physiological Sciences, California, Amerika Birleşik Devletleri, 31 Mart - 06 Nisan 2005, cilt.19

**XXV. The effects of ghrelin on adenylyl cyclase and phosphalipase C activity in rat aorta.**

Ademoglu F., Abacyoglu N., Baloglu E., GÜRDAL H.

3rd European Meeting on Vascular Biology and Medicine, Hamburg, Almanya, 28 - 30 Eylül 2005, cilt.42, ss.114-115

**XXVI. Candesartan treatment restores diabetes-induced changes in [Ca<sup>2+</sup>]<sub>i</sub>(i) transients in cardiomyocytes**

ÖZDEMİR S., Ugur M., GÜRDAL H., Turan B.

8th Annual Scientific Meeting of the Heart-Failure-Society-of-American, Toronto, Kanada, 12 - 15 Eylül 2004, cilt.10

**XXVII.  $\beta 2$ -adrenergic ligands and receptor quantity alter the cellular distribution of G $\alpha$  protein. 12th International Conference on 3-D Image Processing in Microscopy, 1 CAN A., GÜRDAL H.**

1th International Conference on Confocal Microscopy. Heidelberg, Almanya, 11-15 Nisan 1999., 11 Nisan 1999

**XXVIII. G proteini alfa alt biriminin beta-adrenerjik reseptörler ile ilişkisi.**

CAN A., GÜRDAL H.

4. Ulusal Histoloji ve Embriyoloji Kongresi. Diyarbakır, 8-11 Eylül 1998., Türkiye, 8 - 11 Eylül 1998

**XXIX. The effects of agonist stimulation and  $\beta 2$ -adrenergic receptor level on cellular distribution of G $\alpha$  protein.**

GÜRDAL H., ERDEMLİ E., CAN A.

1st IUPHAR Conference on Receptor Mechanisms: Principles of Agonism. Merano, İtalya, 23-25 Temmuz 1998., 23 - 25 Temmuz 1998

## **Desteklenen Projeler**

Gür Dedeoğlu B., Gürdal H., TÜBİTAK Projesi, Mir-99b-5p'Nin Üçlü Negatif Meme Kanseri Hücrelerinde Moleküller Etki Mekanizmasının Araştırılması, 2022 - 2025

Gürdal H., Özkul A., Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Araştırma Projesi, KIRIM KONGO KANAMALI ATEŞİNE (KKKA) KARŞI GELİŞTİRİLEN BİSİSTRONİK ADENOVİRÜS VEKTÖR AŞI ADAYININ KLİNİK ÖNCESİ KARAKTERİZASYONU, 2022 - 2024

GÜRDAL H., TÜBİTAK Projesi, G Protein Kenetli Reseptörler Gpcr Aracılı Büyüme Hormonu Reseptörlerinin Transaktivasyonunun Kanser Hücrelerinde Araştırılması, 2013 - 2017  
Özakca Gündüz I., Güner Ş., Gürdal H., TÜBİTAK Projesi, Serotonin reseptör altipleri aracılı gerçekleşen hücreyi ve damar düz kası yanıtlarında epidermal büyümeye faktörü reseptörlerinin rolü (111S131), 2011 - 2014

## Metrikler

Yayın: 100

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Atıf (Scopus): 760

H-İndeks (WoS): 17

H-İndeks (Scopus): 17