

## Assoc. Prof. KEMAL SAYAR

### Personal Information

**Email:** ksayar@ankara.edu.tr

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

### International Researcher IDs

ORCID: 0000-0001-6807-4741

Publons / Web Of Science ResearcherID: AAI-2186-2020

ScopusID: 57189893896

Yoksis Researcher ID: 116826

### Education Information

Expertise In Medicine, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1995 - 1999

Undergraduate, Ankara University, Tıp Fakültesi, Tıp Pr., Turkey 1986 - 1995

### Foreign Languages

English, C1 Advanced

### Research Areas

Pharmacology and Clinical Pharmacology

### Academic Titles / Tasks

Associate Professor, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2011 - Continues

Expert, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2003 - Continues

Expert, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Department Of Internal Medicine, 2001 - 2002

Expert, University of Massachusetts Boston, Üretim Yönetimi, Tıp, 1999 - 2000

Research Assistant, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1995 - 1999

### Courses

Farmakoloji Ağız ve diş sağlığı, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

Farmakoloji Hemşirelik, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Farmakoloji Anestezi, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

Farmakoloji - Anestezi yüksek okulu, Associate Degree, 2015 - 2016, 2014 - 2015

Farmaloloji - Hemşirelik, Undergraduate, 2015 - 2016

Farmakoloji - Ağız ve diş sağlığı, Associate Degree, 2015 - 2016

Farmakoloji - Hemşirelik fakültesi, Undergraduate, 2014 - 2015

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

- I. **Effects of carbenoxolone, niflumic acid, NPPB and probenecid on P2X7 mediated YOPRO-1 and lucifer yellow influx in RAW 264.7 and mouse P2X7 transfected HEK 293 cells**  
SAYAR K., Cankurtaran-Sayar S., UĞUR M.  
PURINERGIC SIGNALLING, vol.10, no.4, pp.760, 2014 (SCI-Expanded)
- II. **Long and short distance movements of beta(2)-adrenoceptor in cell membrane assessed by photoconvertible fluorescent protein dendra2-beta(2)-adrenoceptor fusion**  
Kaya A. I., UĞUR Ö., Altuntas O., SAYAR K., ONARAN H. O.  
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH, vol.1813, no.8, pp.1511-1524, 2011 (SCI-Expanded)
- III. **P2X7 receptor activates multiple selective dye-permeation pathways in RAW 264.7 and human embryonic kidney 293 cells**  
Cankurtaran-Sayar S., SAYAR K., UĞUR M.  
Molecular Pharmacology, vol.76, no.6, pp.1323-1332, 2009 (SCI-Expanded)
- IV. **Cell adhesion modulates 5-HT1D and P2Y receptor signal trafficking differentially in LTK-8 cells**  
ÇİÇEK F., UĞUR Ö., SAYAR K., UĞUR M.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.590, no.1-3, pp.12-19, 2008 (SCI-Expanded)
- V. **Exploring allosteric coupling in the alpha-subunit of Heterotrimeric G proteins using evolutionary and ensemble-based approaches**  
SAYAR K., Ugur Ö., Liu T., Hilser V. J., ONARAN H. O.  
BMC STRUCTURAL BIOLOGY, vol.8, 2008 (SCI-Expanded)
- VI. **P2X7 receptors utilize different pathways for fluorescent dye uptake in different cell types**  
Ugur M., Cankurtaran S., Sayar K.  
ACTA PHARMACOLOGICA SINICA, vol.27, pp.404, 2006 (SCI-Expanded)
- VII. **Erythropoietin changes contractility, cAMP, and nitrite levels of isolated rat hearts**  
Kaygisiz Z., Erkasap N., YAZIHAN N., Sayar K., Ataoglu H., Uyar R., Ikizler M.  
JOURNAL OF PHYSIOLOGICAL SCIENCES, vol.56, no.3, pp.247-251, 2006 (SCI-Expanded)
- VIII. **Guanine nucleotide exchange-independent activation of G(s) protein by beta(2)-adrenoceptor**  
Ugur Ö., Oner S., Molinari P., Ambrosio C., Sayar K., ONARAN H. O.  
MOLECULAR PHARMACOLOGY, vol.68, no.3, pp.720-728, 2005 (SCI-Expanded)
- IX. **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, vol.12, no.5, pp.303-309, 2000 (SCI-Expanded)
- X. **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, vol.130, no.4, pp.733-740, 2000 (SCI-Expanded)
- XI. **Effect of combination of misoprostol and indomethacin on eicosanoid production in carrageenan-induced air pouch inflammation in rats**  
Sayar K., Melli M.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.369, no.3, pp.365-371, 1999 (SCI-Expanded)
- XII. **Effect of dietary selenium intake on beta-adrenoceptor-adenylyl cyclase coupling in the membranes of rat heart.**  
Sayar K., Ugur M., Turan B., Gurdal H., Onaran H.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.358, no.1, 1998 (SCI-Expanded)
- XIII. **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, vol.358, no.1, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **P2X7 Reseptörü Aracılı Hücre Membran Geçirgenlik Artışı**  
CANKURTARAN SAYAR Ş., SAYAR K.  
Ankara Üniversitesi Tıp Fakültesi Mecmuası, vol.71, no.1, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **P2X7 Reseptörü Splays Varyantlarının Aktive Ettiği Membran Geçirgenlik Özelliklerinin Spektroskopik Olarak İncelenmesi**  
CANKURTARAN SAYAR Ş., SAYAR K., UĞUR M.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019
- II. **Advantages of Confocal Microscope in Investigation of Signal Mechanism of P2X7 Receptor**  
CANKURTARAN SAYAR Ş., SAYAR K.  
2nd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018
- III. **P2X7 Reseptörünün Aktive Ettiği Geçirgenlik Yolaklarının Moleküler Biyolojik ve Farmakolojik Yöntemlerle Ayrıştırılması ve İncelenmesi**  
CANKURTARAN SAYAR Ş., SAYAR K., UĞUR M.  
28.-29. Ulusal Biyofizik Kongresi, 2017, Turkey, 6 - 09 September 2017
- IV. **Nanokitosanın hücreye floresan boya girişine etkisi**  
GEÇER A., SAYAR Ş., SAYAR K., YILDIZ N., UĞUR M., TURAN B., ÇALIMLI A.  
Dokuzuncu Ulusal Kimya Mühendisliği Kongresi, Ankara, Turkey, 22 - 25 June 2010, pp.639-640

## Metrics

Publication: 18  
Citation (WoS): 72  
Citation (Scopus): 132  
H-Index (WoS): 6  
H-Index (Scopus): 6