

## Prof. BEKİ KAN

### Personal Information

**Email:** beki.kan@acibadem.edu.tr

**Web:** <https://avesis.acibadem.edu.tr/672>

### International Researcher IDs

ScholarID: IsPdv74AAAAJ

ORCID: 0000-0002-2738-9680

Publons / Web Of Science ResearcherID: D-2267-2015

ScopusID: 7004014962

Yoksis Researcher ID: 5880

### Education Information

Doctorate, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, Turkey 1978 - 1982

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1969 - 1973

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Protein Sentezinin Düzenlenme Mekanizmaları Mechanisms of Regulation of Protein Synthesis , Istanbul University, 1978

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2009 - Continues

Professor, Marmara University, School Of Medicine, Basic Medical Sciences, 1994 - 2009

Associate Professor, Marmara University, School Of Medicine, Basic Medical Sciences, 1989 - 1994

Assistant Professor, Marmara University, School Of Medicine, Basic Medical Sciences, 1988 - 1989

Research Assistant, Istanbul University, Istanbul Medical Faculty, Basic Medical Sciences, 1978 - 1988

### Academic and Administrative Experience

Eğitim ve Müfredat Kurulu üyesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, The

Department Of Neuroscience, 2022 - Continues

Head of Department, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Health Sciences, Department Of Biophysics, 2021 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Health Sciences, The Department Of Neuroscience, 2018 - Continues

Rectorate Commissioner, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, 2017 - Continues

Rectorate Commissioner, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, 2013 - Continues

Acibadem Mehmet Ali Aydinlar University, 2009 - Continues

Head of Department, Acibadem Mehmet Ali Aydinlar University, 2009 - 2021

Acibadem Mehmet Ali Aydinlar University, 2012 - 2020

Marmara University, 1988 - 2009

Marmara University, 2002 - 2005

Marmara University, 1998 - 2002

Marmara University, 1988 - 1990

## Courses

Biyofizik, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Biophysics, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

BIF 111, Associate Degree, 2023 - 2024, 2022 - 2023, 2020 - 2021

Blood, Immunity and Cancer, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Sinir Bilimde Temel ve Güncel Yöntemler , Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Nervous System and Related Disorders, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Physics for Life Sciences, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Cellular Biophysics, Postgraduate, 2022 - 2023, 2021 - 2022

Fizik, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Cardiovascular System and Related Disorders, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Basic Biophysics, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Molecular and Cellular Medicine-II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Fizik, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022

Respiratory System and Related Disorders, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Seminar, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Microorganisms and Infection, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Musculoskeletal System and Related Disorders, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Sinir Biliminin Temel İletişim Mekanizmaları , Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Seminar, Doctorate, 2022 - 2023, 2021 - 2022

Kardiyovaskuler Sistem Biyofiziği, Postgraduate, 2021 - 2022

## Supervised Theses

Kan B., Ani kalp ölümlerinin (AKÖ) biyofiziksel, fizyolojik ve fizyopatolojik mekanizmalarının son çalışmalara göre algoritmik, matematiksel modellenmesi, Doctorate, S.İBAGÜNER(Student), 2008

Kan B., Go proteininin alfa altbiriminin üçüncül yapısının deneysel ve kuramsal olarak incelenmesi, Doctorate, C.NACAR(Student), 2007

Kan B., G proteinleri üzerine yapı ve işlev çalışmaları, Doctorate, P.MEGA(Student), 2006

Kan B., Hücre farklılaşması ve olgunlaşmasında etkili sinyal ileti yolları, Doctorate, D.ÖZ(Student), 2004

Kan B., G protein mutasyonlarının ve polimorfizmlerinin hipofiz ve over tümör oluşumundaki yerinin incelenmesi,

Postgraduate, E.KARA(Student), 2003

Kan B., Over tümörlerinde Gip mutasyonlarının hibritleme ve SSCP yöntemiyle incelenmesi, Postgraduate, C.NACAR(Student), 2000

Kan B., Eritroid hücrelerde G protein ekspresyonunun incelenmesi, Doctorate, B.KÜÇÜKKAYA(Student), 1999

Kan B., Normal ve anormal koşullarda G protein ekspresyonunun düzenlenmesi, Doctorate, T.SİPAHİ(Student), 1999

Kan B., Sinkrotron X ışınları yöntemlerinin biyolojik makromolekül yapısı çözümlenmesinde kullanılması, Doctorate, O.ORUN(Student), 1999

Kan B., Muskarinik Reseptörlerin Ekspresyonu Üzerinde Çalışmalar., Doctorate, H.CABADAK(Student), 1997

Kan B., G proteinlerinin çeşitli dokulardaki dağılımının hibritleme yöntemiyle incelenmesi, Postgraduate, O.ORUN(Student), 1993

Kan B., G proteinlerinin çeşitli dokulardaki dağılımı, Postgraduate, T.ALSEBAEİ(Student), 1993

Kan B., Beyin, kalp ve mide dokusunda postreseptör olgularının incelenmesi, Postgraduate, E.ÇALIŞKAN(Student), 1993

Kan B., Ökaryot elongasyon faktörü 2(EF-2)'nin farklı dokularda eldesi ve miktarlarının karşılaştırılması, Postgraduate, A.SEVİNÇ(Student), 1993

Kan B., K562 ve MEL hücre modelinde G proteinlerinin farklılaşma üzerindeki rolünün incelenmesi, Postgraduate, B.KÜÇÜKKAYA(Student), 1992

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2024

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2024

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2024

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2024

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, December, 2023

Associate Professor Exam, Associate Professor Exam, Acıbadem Mehmet Ali Aydınlar Üniversitesi, March, 2023

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, March, 2023

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2023

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, February, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Marmara Üniversitesi, February, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acıbadem Mehmet Ali Aydınlar Üniversitesi, January, 2023

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, December, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Ankara Üniversitesi, October, 2022

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, August, 2022

Doctoral Examination, Doctoral Examination, Acıbadem Mehmet Ali Aydınlar Üniversitesi, July, 2022

Associate Professor Exam, Associate Professor Exam, Ege Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Marmara Üniversitesi, February, 2021

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, January, 2021

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

- G protein-coupled receptor-mediated autophagy in health and disease**  
ÖZ ARSLAN D., DURER Z. A., KAN B.

BRITISH JOURNAL OF PHARMACOLOGY, 2024 (SCI-Expanded)

- II. **Exploring orphan GPCRs in neurodegenerative diseases**  
Oz-Arslan D., YAVUZ M., KAN B.  
FRONTIERS IN PHARMACOLOGY, vol.15, 2024 (SCI-Expanded)
- III. **The role of intracellular pathways in the proliferation of human K562 cells mediated by muscarinic receptors**  
AYDIN OMA Y B., Kan B., CABADAK H.  
LEUKEMIA RESEARCH, vol.37, no.9, pp.1144-1149, 2013 (SCI-Expanded)
- IV. **A STUDY COMPARING THE EFFICACY OF ANTIMICROBIAL AGENTS VERSUS ENZYME (P-GP) INDUCERS IN THE TREATMENT OF 2,4,6 TRINITROBENZENESULFONIC ACID-INDUCED COLITIS IN RATS**  
Toklu H. Z., KABASAKAL L., Imeryuz N., KAN B., ÇELİKEL Ç., ÇETİNEL Ş., ORUN O., YÜKSEL M., Dulger G. A.  
JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, vol.64, no.4, pp.439-451, 2013 (SCI-Expanded)
- V. **Prognostic role of sensitive-to-apoptosis gene expression in rectal cancer**  
Ozden S. A., Ozyurt H., Ozgen Z., Kilinc O., Oncel M., Gul A. E., Karadayi N., Serakinci N., Kan B., ORUN O.  
WORLD JOURNAL OF GASTROENTEROLOGY, vol.17, no.44, pp.4905-4910, 2011 (SCI-Expanded)
- VI. **Regulation of M-2, M-3, and M-4 muscarinic receptor expression in K562 chronic myelogenous leukemic cells by carbachol**  
CABADAK H., AYDIN OMA Y B., KAN B.  
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.31, no.1, pp.26-32, 2011 (SCI-Expanded)
- VII. **The Role of G Protein beta 3 Subunit Polymorphisms C825T, C1429T, and G5177A in Turkish Subjects with Essential Hypertension**  
CABADAK H., ORUN O., NACAR C., Dogan Y., Guneyssel O., FAK A. S., KAN B.  
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.33, no.3, pp.202-208, 2011 (SCI-Expanded)
- VIII. **Muscarinic receptor mediated cAMP response in human K562 chronic myelogenous leukemia cells**  
Cabadak H., Aydın B., Kan B.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.36, pp.188-192, 2011 (SCI-Expanded)
- IX. **Structural characterization of recombinant bovine Go alpha by spectroscopy and homology modeling**  
MEGA TIBER P., ORUN O., NACAR C., Sezerman U. O., Severcan F., Severcan M., Matagne A., KAN B.  
SPECTROSCOPY-BIOMEDICAL APPLICATIONS, vol.26, no.4-5, pp.213-229, 2011 (SCI-Expanded)
- X. **Investigation of the Association Between Dopamine D1 Receptor Gene Polymorphisms and Essential Hypertension in a Group of Turkish Subjects**  
Orun O., Nacar C., Cabadak H., Tiber P., Dogan Y., Guneyssel O., Fak A. S., Kan B.  
CLINICAL AND EXPERIMENTAL HYPERTENSION, vol.33, no.6, pp.418-421, 2011 (SCI-Expanded)
- XI. **M-2, M-3, and M-4 muscarinic receptors are expressed in the guinea pig gallbladder**  
CABADAK H., Cuadra A. E., El-Fakahany E. E., Kan B.  
JOURNAL OF RECEPTORS AND SIGNAL TRANSDUCTION, vol.29, no.1, pp.63-66, 2009 (SCI-Expanded)
- XII. **Heterotrimeric G proteins**  
Kuecuekkaya B., KAN B.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.32, no.1, pp.39-50, 2007 (SCI-Expanded)
- XIII. **Role of G proteins and ERK activation in hemin-induced erythroid differentiation of K562 cells**  
Kucukkaya B., Arslan D., Kan B.  
LIFE SCIENCES, vol.78, no.11, pp.1217-1224, 2006 (SCI-Expanded)
- XIV. **Methocramine and gallamine inhibit PI hydrolysis in guinea-pig gallbladder**  
Cabadak H., Kan B.  
VASCULAR PHARMACOLOGY, vol.43, no.4, pp.242-246, 2005 (SCI-Expanded)
- XV. **G protein mutations in pituitary tumors: a study on Turkish patients.**  
Kan B., Esapa C., Sipahi T., Nacar C., Ozer F., Sayhan N., Kaynar M., Sarioğlu A., Harris P.  
Pituitary, vol.6, pp.75-80, 2003 (SCI-Expanded)
- XVI. **Carbachol induces nitric oxide generation in the guinea-pig gallbladder**

- Oktay S., Cabadak H., Iskender E., Kan B., Ulusoy N., El-Fakahany E.  
GASTROENTEROLOGY, vol.116, no.4, 1999 (SCI-Expanded)
- XVII. **Heme-regulated eIF-2 alpha kinase purifies as a hemoprotein**  
Chefalo P., Oh J., Rafie-Kolpin M., Kan B., Chen J.  
EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.258, no.2, pp.820-830, 1998 (SCI-Expanded)
- XVIII. **Evidence for the presence of muscarinic M-2 and M-4 receptors in guinea-pig gallbladder smooth muscle**  
Oktay S., Cabadak H., Iskender E., Goren Z., Caliskan E., Orun O., Aslan N., Karaalp A., Tolun A., Ulusoy N., et al.  
JOURNAL OF AUTONOMIC PHARMACOLOGY, vol.18, no.4, pp.195-204, 1998 (SCI-Expanded)
- XIX. **THE EFFECT OF VARIOUS STRESS CONDITIONS ON THE PHOSPHORYLATION OF EF-2 IN RABBIT RETICULOCYTE LYSATES**  
ERDOGDU G., KAN B.  
BIOCHEMICAL ARCHIVES, vol.10, no.2, pp.123-131, 1994 (SCI-Expanded)
- XX. **REGULATION OF THE EUKARYOTIC PROTEIN-SYNTHESIS BY PHOSPHORYLATION OF ELONGATION FACTOR-II**  
ERDOGDU G., CIRAKOGLU B., KAN B.  
BIOCHEMICAL ARCHIVES, vol.9, no.2, pp.91-99, 1993 (SCI-Expanded)
- XXI. **ROLE OF REVERSING FACTOR IN THE INHIBITION OF PROTEIN-SYNTHESIS INITIATION BY OXIDIZED GLUTATHIONE**  
KAN B., LONDON I., LEVIN D.  
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.263, no.30, pp.15652-15656, 1988 (SCI-Expanded)
- XXII. **THE EFFECTS OF OXIDIZED GLUTATHIONE ON THE FUNCTION OF REVERSING FACTOR IN PROTEIN-SYNTHESIS INITIATION**  
KAN B., LONDON I., LEVIN D.  
FEDERATION PROCEEDINGS, vol.46, no.6, pp.2268, 1987 (SCI-Expanded)
- XXIII. **HIGH PO<sub>2</sub>-ACTIVATED INHIBITOR OF PROTEIN-SYNTHESIS IN RABBIT RETICULOCYTES - ITS RELATIONSHIP TO GLUTATHIONE DISULFIDE-INDUCED INHIBITOR AND TO A APPROXIMATELY-23,000-MR SULFHYDRYL PROTEIN**  
KANIGUR G., KAN B., TIRYAKI D., BERMEK E.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.117, no.1, pp.135-140, 1983 (SCI-Expanded)
- XXIV. **HIGH SALT EFFECT ON RNA-SYNTHESIS IN KREBS ASCITES TUMOR-CELLS**  
GOKCE S., KAN B., KIRDAR B., BERMEK E.  
EXPERIENTIA, vol.38, no.6, pp.666-667, 1982 (SCI-Expanded)
- XXV. **A TRANSLATIONAL INHIBITOR ACTIVATED IN RABBIT RETICULOCYTE LYSATES UNDER HIGH PO<sub>2</sub>**  
ALMISKANIGUR G., KAN B., KOSPANCALI S., BERMEK E.  
FEBS LETTERS, vol.145, no.1, pp.143-146, 1982 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Relationship Between GRK4 Polymorphisms And Essential Hypertension. A Study In A Group Of Turkish Subjects**  
Yıldız H., Kan B., Orun O., Nacar C., Doğan Y., Güneysel Ö., Cabadak H.  
Acibadem Üniversitesi Sağlık Bilimleri Dergisi, vol.15, no.1, pp.1-7, 2024 (Peer-Reviewed Journal)
- II. **Effects of carbachol on apoptosis in human chronic myelogenous leukemic K562 cell line**  
AYDIN OMA Y B., Tulunay A., Eksioğlu-Demiralp E., KAN B., CABADAK H.  
MARMARA MEDICAL JOURNAL, vol.32, no.1, pp.38-43, 2019 (ESCI)
- III. **Muscarinic agonist, antagonists and signaling pathway inhibitors change c-Fos and cyclin D-1 expression in K562 cells**  
CABADAK H., AYDIN OMA Y B., KAN B.  
MARMARA MEDICAL JOURNAL, vol.26, no.2, pp.72-76, 2013 (ESCI)

- IV. **Muscarinic receptor-mediated nitric oxide release in a K562 erythroleukaemia cell line**  
CABADAK H., Küçükbrahimoğlu E., AYDIN Omay B., KAN B., GÖREN M. Z.  
Autonomic and Autacoid Pharmacology, vol.29, no.3, pp.109-115, 2009 (Scopus)
- V. **Sıçan Beyininde G Proteinlerinin Karakterizasyonu**  
CABADAK H., KAN B.  
Cerrahpasa Tıp Dergisi, vol.36, no.4, pp.200, 2005 (Peer-Reviewed Journal)
- VI. **Students' perceptions on medical education at Marmara University School of Medicine**  
Kalaca S., Kan B., Cakin A., Guney I., Tozun N.  
Marmara Medical Journal, vol.13, no.3, pp.131-136, 2000 (Scopus)

## Books

- I. **HASTALIKTA VE SAĞLIKTA HÜCRE ÖLÜMÜ Mekanizmaları ve Deneysel Modeller**  
Öz Arslan D., Kan B.  
in: HASTALIKTA VE SAĞLIKTA HÜCRE ÖLÜMÜ Mekanizmaları ve Deneysel Modeller, AYŞE SEMRA KOÇTÜRK,H.  
Seda Vatansever, Editor, Manisa Celal Bayar Üniversitesi Basımevi, Manisa, pp.33-47, 2022
- II. **Molecular biology of the cell**  
Diñçer P. R., Altungöz O., Akçalı K. C., Çırakoğlu A., Engin E., Erdal Ş. E., Eresen Yazıcıoğlu Ç., Inhan Garip A., Güner G., Gürsel İ., et al.  
Tuba Kitabevi, Ankara, 2008
- III. **High pO<sub>2</sub> -promoted activation of a translational inhibitor in rabbit reticulocytes. Role of the oxidation state of sulfhydryl groups.**  
Kan B.  
in: Mechanisms of Protein Synthesis, Engin Bermek, Editor, Springer, London/Berlin , Berlin, pp.169-177, 1985

## Refereed Congress / Symposium Publications in Proceedings

- I. **Does gestational diabetes mellitus influence mitochondrial dynamics in offspring?**  
Abalı S., Öz Arslan D., Güner Yılmaz B., Çelik M., Koç B., Müftüoğlu M., Pata Ö., Korkmaz Toygar A., Semiz S., Kan B., et al.  
The 62nd ESPE Annual Meeting , Liverpool, England, 16 - 18 November 2024, vol.97, pp.133-134
- II. **A Structural Model of the G Protein-Coupled Receptor 37 and A2A Adenosine Receptor Heteromer**  
Durer Z. A., Öz Arslan D., Kan B., Timuçin E.  
2nd Immuparknet Conference , Sevilla, Spain, 15 - 17 June 2023
- III. **A Structural Model of the Heteromer between G Protein-Coupled Receptor 37 and A2A Adenosine Receptor**  
Durer Z. A., Kan B., Öz Arslan D., Timuçin E.  
5th International 34th National Biophysics Congress September 6-9, 2023, İzmir, Turkey, 6 - 09 September 2023
- IV. **Understanding Molecular Mobility of G Protein-Coupled Receptor 37 Using Fluorescence Correlation Spectroscopy**  
Erol G., Carravilla P., Sezgin E., Kan B.  
5. Uluslararası/34. Ulusal Biyofizik Kongresi, İzmir, Turkey, 6 - 09 September 2023, pp.231
- V. **Characterization of actin-binding tail structure and dynamics in cardiomyopathy associated metavinculin mutants**  
Durer Z. A., Gräwert T., Yetke H. İ., Bulut A. S., Timuçin E., Sayers Z., Kan B.  
1st ML4NGP meeting on Machine Learning and Non-globular proteins, Bratislava, Slovakia, 5 - 07 July 2023
- VI. **Characterization of actin-binding tail structure and dynamics in metavinculin mutants associated with cardiomyopathy**  
DURER Z. A., Grawert T., Yetke H. I., Bulut A. S., TİMÜÇİN E., Sayers Z., KAN B.

14th European Biophysics Congress (EBSA), Stockholm, Sweden, 31 July - 04 August 2023

VII. **Investigation of the signaling pathways of an orphan G Protein coupled receptor GPR37 associated with Parkinsonism and its effect on autophagy signaling pathways**

Öz Arslan D., Kan B., Durer Z. A., Timuçin E.

2nd Immuparknet Conference , Sevilla, Spain, 15 - 17 June 2023

VIII. **GPR37 structure and function in autophagy**

Kan B., Durer Z. A., Öz Arslan D., Timuçin E.

ERNEST 8th and Final Meeting GPCR Structure and Function: The present and perspectives for the future, Heraklion, Greece, 3 - 07 May 2023, pp.24

IX. **A Structural Model of the G Protein-Coupled Receptor 37 and A2A Adenosine Receptor Heteromer**

Durer Z. A., Kan B., Öz Arslan D., Timuçin E.

ERNEST 8th and Final Meeting GPCR Structure and Function: The Present and perspectives for the future, Heraklion, Greece, 3 - 07 May 2023, pp.78

X. **An Investigation into the effect of the Different Vinculin Isoforms in the Morphology of H9C2 Cells**

Kasap Can H., Öz Arslan D., Kan B., Durer Z. A.

4. Uluslararası-33. Ulusal Biyofizik Kongresi, Adıyaman, Turkey, 31 August - 03 September 2022

XI. **The relationship between overexpression of the orphan receptor GPR37 and autophagy in SH-SY5Y and Hep3B cells.**

Açıkgöz D., Öz Arslan D., Durer Z. A., Kan B.

Fifth ERNEST Meeting COST Action CA18133. Bridging Perspectives and Networking in Signal Transduction Research, Bari, Italy, 4 - 08 October 2021, pp.56

XII. **Parkinson ile İlişkili Yetim G Protein Kenetli Reseptör GPR37'nin Otofaji ile Bağlantısının SH-SY5Y ve Hep3B Hücrelerinde İncelenmesi**

Öz Arslan D., Demir T., Açıkgöz D., Durer Z. A., Kan B.

32. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 17 - 19 November 2021, pp.66

XIII. **Kardiyomiyopati ile İlişkili Vinkülin İzofomlarının Aktin'e Bağlanan Kuyruk Kısımlarının Yapısal ve Biyofiziksel Analizi**

Durer Z. A., Gräwert T., Yetke H. İ., Sayers Z., Kan B.

32. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 17 - 19 November 2021, pp.62

XIV. **An Interactome of ATG3 in a hepatoma cell line**

Öz Arslan D., Açıkgöz D., Kan B., Oztug M., Bozkurt S., Timuçin E., Durer Z. A.

Autophagy UK Meeting , London, England, 26 - 27 May 2021, pp.29

XV. **Effects of cardiomyopathy linked mutations on the solution structure of metavinculin tail**

Durer Z. A., Yetke H. İ., Bulut A., Kan B., Sayers Z.

EMBL P12 User Meeting, Hamburg, Germany, 17 - 19 November 2020

XVI. **The Role of Autophagy and Mitochondrial Dynamics in Neurodegenerative Diseases: A Study in an Alzheimer Disease Model**

Kan B., Bilge B., Bozkurt S., Ulus İ. H., Öz Arslan D.

Jubilee Scientific Conference "Medicine of the Future", Plovdiv, Bulgaria, 29 - 31 October 2020, vol.62, pp.19-20

XVII. **The Role of Autophagy and Mitochondrial Dynamics in Neurodegenerative Diseases: A Study in an Alzheimer Disease Model**

Kan B., Ulus İ. H., Öz Arslan D.

Jubilee Scientific Conference "Medicine of the Future" - 29-31 October 2020 on the occasion of the 75th Anniversary of Medical University of Plovdiv, 29 - 31 October 2020, vol.62, pp.19-20

XVIII. **Investigation of new binding partners for ATG3 protein in a hepatoma cell line**

Öz Arslan D., Acikgoz D., Kan B., Oztug M., Timuçin E., Durer Z. A.

THIRD ERNEST MEETING - Online Signal transduction: From the genomic to the systems level, 12 - 14 October 2020, pp.17

XIX. **The Effects of CDP-Choline on Autophagy and Mitochondrial Dynamics in Amyloid-Treated PC12 Cells**

Kan B., Bozkurt S., Bilge B., Öz Arslan D.

COST 2nd ERNEST Online Meeting New Perspectives in Signal Transduction: GPCRs and Beyond, İstanbul, Turkey, 28 - 30 March 2020, pp.14

- XX. **The Effects of CDP-Choline on Autophagy and Mitochondrial Dynamics**  
Kan B., Bilge B., Bozkurt S., Ulus İ. H., Öz Arslan D.  
Second ERNEST Meeting on New Perspectives in Signal Transduction: GPCRs and Beyond, İstanbul, Turkey, 28 - 30 March 2020, pp.14
- XXI. **Evaluation of different transfection agents for expression of fluorescently labeled autophagy and mitophagy genes in hepatoma cells**  
Kan B., Öz Arslan D., Durer Z. A.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.41
- XXII. **Unraveling New Binding Partners of ATG3 Protein in HEP3B Cells**  
Öz Arslan D., Açıkgöz D., Kan B., Öztuğ M., Durer Z. A.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.29
- XXIII. **Biophysical characterization of cardiomyopathy-related vinculin isoforms and their interactions with actin filaments**  
Yetke H. İ., Kan B., Durer Z. A.  
31. Ulusal Biyofizik Kongresi, Adana, Turkey, 9 - 12 October 2019, pp.15-16
- XXIV. **Unraveling New Binding Partners of Atg3 in Autophagy and Mitophagy**  
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- XLIV. **G protein subunit G alpha 16 expression in K562 Cells**  
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FEBS Special Meeting 2003 on Signal Transduction, Brussels, Belgium, 3 - 08 July 2003
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## Other Publications

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## Supported Projects

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Öz Arslan D., Keskinöz E. N., Kan B., Durer Z. A., TÜBİTAK Project, Mikroglia ve Dendritik Hücrelerde Prosaposin Peptidi Olan Prosaptidin, Fenotip, Enflamasyon ve Biyoenerjetik Üzerindeki Etkilerinin İncelenmesi, 2024 - 2026

Keskinöz E. N., Öz Arslan D., Kan B., Aktekin M., TÜBİTAK - AB COST Project, The role of IMMUnity in tackling PARKinson's disease through a Translational NETwork (IMMUPARKNET), 2022 - 2026

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Abalı S., Öz Arslan D., Beken S., Müftüoğlu M., Korkmaz Toygar A., Kan B., Project Supported by Higher Education Institutions, Gestasyonel diyabetli anneden doğan yenidoğanlarda mitokondri yapı ve işlevlerinin değerlendirilmesi, 2022 - 2024

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Durer Z. A., Öz Arslan D., Sayers Z., Kan B., TÜBİTAK Project, Vinkülin İzofomlarının Kas Hücrelerindeki İşlevsel Farklılıklarının Belirlenmesi, 2018 - 2022

Durer Z. A., Öz Arslan D., Kan B., TÜBİTAK Project, Atg3 Proteininin Özgün Etkileşim Partnerlerinin Araştırılması, 2018 - 2021

Kan B., Öz Arslan D., Durer Z. A., Project Supported by Higher Education Institutions, Floresan Etiketli Proteinlerin Hücre İçi Görüntülenmesi, 2018 - 2019

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Yücel D., Öz Arslan D., Kan B., Ulus I. H., Oktay Y., Gözüaçık D., TÜBİTAK Project, Hasarlı Pc12 Hücrelerinde Sitidin 5-Difosfokolin'in (Cdp-Ch) Otofaji ve Mitofaji Üzerine Etkisinin İncelenmesi, 2014 - 2017

Cabadak H., Kan B., TÜBİTAK Project, Hipertansiyonlu bireylerde GNB3 polimorfizmi sıklığının belirlenmesi, 2005 - 2007

## Memberships / Tasks in Scientific Organizations

COST IMMUPARKNET CA21117, Member, 2023 - Continues, Belgium  
COST-ERNEST CA 18133, Country Representative, 2019 - Continues, Belgium  
Türk Biyofizik Derneği, Assistant Chairman of the Board, 2021 - 2023, Turkey  
Türk Biyofizik Derneği, Chairman, 2018 - 2021, Turkey

## Scientific Refereeing

IUBMB LIFE, SCI Journal, March 2024  
TURKISH JOURNAL OF BIOCHEMISTRY, Journal Indexed in SCI-E, August 2023  
MARMARA MEDICAL JOURNAL, National Scientific Refreed Journal, July 2023  
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CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, SCI Journal, October 2021  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Beykent University, Turkey, January 2021

## Tasks In Event Organizations

Süyen G., Yavuz M., Sütçübaşı B., Ergen M., Erdoğan S. B., KAN B., 20th National Neuroscience Congress, Scientific Congress, İstanbul, Turkey, Ekim 2022  
Kan B., 33. 34. Ulusal/Uluslararası Biyofizik Kongresi, Scientific Congress, Adıyaman, Turkey, Eylül 2022  
Kan B., Kılınç E., 28-29th National Biophysics Congress, Scientific Congress, İstanbul, Turkey, Eylül 2017

## Metrics

Publication: 86  
Citation (WoS): 232  
Citation (Scopus): 250  
H-Index (WoS): 8  
H-Index (Scopus): 9

## Congress and Symposium Activities

IMMUPARKNET SECOND ANNUAL CONFERENCE, Audience, Belgrade, Serbia, 2024  
5. ULUSLARARASI 34. ULUSAL BİYOFİZİK KONGRESİ, Moderator, İzmir, Turkey, 2023  
COST ERNEST 8 th MEETING, Invited Speaker, Heraklion, Greece, 2023  
IMMUPARKNET First Annual Conference, Audience, İstanbul, Turkey, 2023  
EBSA Meeting, Attendee, Munich, Germany, 2022  
WIA 2nd Annual Symposium , Audience, New York, United States Of America, 2021  
32. Ulusal Biyofizik Kongresi, Session Moderator, Şanlıurfa, Turkey, 2021  
ERATO International Symposium, Audience, Tokyo, Japan, 2021  
IDCS (INTERNATIONAL CELL DEATH SOCIETY) Meeting, Audience, Johannesburg, South Africa, 2021  
Fourth General Meeting of COST Action CA18133 , Audience, Berlin, Germany, 2021

## Scholarships

Araştırma Bursu, British Council, 1998 - 1998

Biotechnology Career Fellowship, Official Institutions of Foreign Countries, 1990 - 1992

Post- doctoral research fellowship, Official Institutions of Foreign Countries, 1984 - 1987

Yurt içi doktora bursu, TÜBİTAK, 1978 - 1980

Eğitim Bursu, University, 1969 - 1973

## Awards

Öz Arslan D., Demir T., Açıkgöz D., Durer Z. A., Kan B., Poster Birincilik Ödülü-Parkinson ile İlişkili Yetim G Protein Kenetli Reseptör GPR37'nin Otofaji ile Bağlantısının SH-SY5Y ve Hep3B Hücrelerinde İncelenmesi , Türk Biyofizik Derneği, November 2021

Durer Z. A., Kan B., Sayers Z., Yetke H. I., Gräwert T., Sözlü sunum 2.lık ödülü, Kardiyomiyopati ile İlişkili Vinkülin İzoformlarının Aktin'e Bağlanan Kuyruk Kısımlarının Yapısal ve Biyofiziksel Analizi, Turk Biyofizik Derneği, November 2021