

## **Prof. HALİT CANATAN**

### **Personal Information**

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### **Education Information**

Post Doctorate, University Of Wales-College Of Medicine, Cardiff University, Cardiff University, Center For Genome-Based Therapeutics , United Kingdom 2006 - 2006

Post Doctorate, Kuwait University, Faculty Of Medicine, Molecular Pharmacology, Kuwait 2003 - 2006

Post Doctorate, King Faisal Specialist Hospital And Research Center, Division Of Molecular Diagnostics , Department Of Pathology, Saudi Arabia 1998 - 1998

Post Doctorate, Ohio State University, Dorothy M. Davis Heart And Lung Research Institute , Molecular Cardiology, United States Of America 1997 - 1998

Doctorate, Ohio State University, Graduate School, Graduate Program In Molecular, Cellular & Developmental Biology, United States Of America 1993 - 1997

Post Graduate, Ohio State University, Graduate School, Molecular Genetics, United States Of America 1989 - 1992

Under Graduate, Firat Üniversitesi, Veteriner Fakültesi, Veteriner Hekim Yüksek Lisans, Turkey 1982 - 1987

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Molecular analysis of Keratinocyte growth factor (KGF) involvement in prostatic cell growth: Paracrine role of KGF in canine prostate model. , Ohio State University, Graduate School, Molecular, Cellular And Developmental Biology, 1997

Post Graduate, "Identification of sequence homology of a 5' untranslated exon of human acidic fibroblast growth factor and hamster acidic fibroblast growth factor genes". , Ohio State University, Graduate School, Molecular Genetics , 1992

### **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology, Life Sciences, Molecular Biology and Genetics, Genomics, Natural Sciences

### **Academic Titles / Tasks**

Professor, Erciyes Üniversitesi, Tıp Fakültesi Tıbbi Biyoloji Anabilim Dalı, Temel Tıp Bilimleri Bölümü, 2011 - Continues  
Associate Professor, Erciyes Üniversitesi, Tıp Fakültesi Tıbbi Biyoloji Anabilim Dalı, Temel Tıp Bilimleri Bölümü, 2010 - 2011

Professor, Kuwait University, Health Sciences Center, Faculty Of Pharmacy, Faculty Of Pharmacy, 2009 - 2010  
Professor, Kuwait University, Health Sciences Center, Faculty Of Medicine, Faculty Of Medicine, 2006 - 2009  
Associate Professor, Fırat Üniversitesi, Tıp Fakültesi Tıbbi Biyoloji Ve Genetik Anabilim Dalı, Temel Tıp Bilimleri Bölümü, 2001 - 2006  
Research Assistant, Ohio State University, Graduate Program İn Molecular, Cellular And Developmental Biology, Graduate School, 1993 - 1997  
Research Assistant, Ohio State University, Department Of Internal Medicine, Faculty Of Medicine, Molecular Genetics, 1989 - 1992

## Academic and Administrative Experience

Erciyes Üniversitesi, Deneysel Araştırmalar Uygulama Ve Araştırma Merkezi, 2013 - Continues  
Erciyes Üniversitesi, Tıbbi Biyoloji Anabilim Dalı Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2013 - Continues  
Erciyes Üniversitesi, Betül-Ziya Eren Genom Ve Kök Hücre Merkezi - Genkök, Genkök, 2012 - Continues  
Erciyes Üniversitesi, Tıbbi Biyoloji Ana Bilim Dalı, Erciyes Üniversitesi Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2010 - Continues  
Erciyes Üniversitesi, Erciyes Üniversitesi Rektörlüğü, 2014 - 2016  
Erciyes Üniversitesi, Gevher Nesibe Tıp Tarihi Enstitüsü, Gevher Nesibe Tıp Tarihi Enstitüsü , 2013 - 2016  
Erciyes Üniversitesi, Erciyes Üniversitesi Senatosu, Erciyes Üniversitesi Senatosu, 2013 - 2016  
Erciyes Üniversitesi, Laboratuvar Hayvanları Bilimi Ab Dalı (Kurucu Başkan), Temel Bilimler Bölümü, 2013 - 2013  
Erciyes Üniversitesi, Veteriner Halk Sağlığı Anabilim Dalı (Kurucu Başkan), Temel Bilimler Bölümü, 2012 - 2013  
Erciyes Üniversitesi, Veteriner Patoloji Ab Dalı (Uhde), Klinik Öncesi Bilimler, 2012 - 2013  
Erciyes Üniversitesi, Su Ürünleri Ve Hastalıkları Ab Dalı (Kurucu Başkan), Klinik Öncesi Bilimler Bölümü, 2012 - 2013  
Erciyes Üniversitesi, Erciyes Üniversitesi Senatosu, Erciyes Üniversitesi Senatosu, 2011 - 2013  
Erciyes Üniversitesi, Veteriner Fakültesi, 2011 - 2013  
Erciyes Üniversitesi, Üniversite Yönetim Kurulu, Üniversite Yönetim Kurulu, 2011 - 2013  
Erciyes Üniversitesi, Veteriner Hekimliği Tarihi Ve Deontoloji Anabilim Dalı, Temel Bilimler Bölümü, 2011 - 2013  
Erciyes Üniversitesi, Betül-Ziya Eren Biyoteknoloji Uygulama Ve Araştırma Merkezi, 2010 - 2012  
Fırat Üniversitesi, Sağlık Hizmetleri Myo, Sağlık Hizmetleri Myo, 2001 - 2003

## Courses

Tıbbi Biyoloji, Under Graduate, 2012 - 2013  
Tıbbi Biyoloji, Under Graduate, 2012 - 2013  
Tıbbi Biyoloji ve Genetik, Under Graduate, 2010 - 2011

## Advising Theses

CANATAN H., S1P1 analoglarının IL-23 reseptör yolağına etkilerinin araştırılması, Post Graduate, F.Zehra(Student), 2018  
CANATAN H., Down sendromu tanısı almış çocuklarda MR kantitatif analizleri ile Denver II Gelişim Tarama testi sonuçları arasındaki ilişkinin incelenmesi ilişkinin ince]enmesi", Post Graduate, Y.CEVİZ(Student), 2016  
CANATAN H., Timokinon (TQ)' un insan hücre hattı modelinde insülin sinyal yollarına etkilerinin moleküler düzeyde araştırılması 2. danışman: Doç. Dr. Çağrı Şakalar, Post Graduate, S.Sezen(Student), 2015  
CANATAN H., Romatoid artritli hastalarda metotreksat etkinliğinin RFC1 (indirgenmiş folat taşıyıcı 1) tek nükleotid polimorfizmi ile ilişkisinin incelenmesi, Post Graduate, M.Akif(Student), 2015  
CANATAN H., Hücre Döngüsü ve ATR aracılı DNA hasar yanıtının incelenmesi, Doctorate, S.YILMAZ(Student), 2012  
CANATAN H., "In vitro and In Vivo anti-inflammatory effects of andrographolide: inhibition of the release of cytokines relevant to asthma" MSc Thesis, 2008. Faculty of Medicine, Kuwait University, Kuwait. Supervisor: Prof. C.I. Ezeamuzie;

Co-supervisor: Dr. H. Canatan., Post Graduate, A.A.(Student), 2008

CANATAN H., "Sizofreni hastalarında mangan superoksit dismutaz (Mn-SOD) gen polimorfizminin araştırılması", Doktora Tezi, Tıbbi Biyoloji ve Genetik AB Dalı, Danışmanlar: H. Elyas, H. Canatan, Fırat Üniversitesi Sağlık Bilimleri Enstitüsü, 2003., Doctorate, Ö.AKYOL(Student), 2003

CANATAN H., Plazma leptin düzeylerinin kan basıncı, renin-anjiyotensin-aldosteron sistemi ile ilişkisi, renal fonksiyonlardaki rolü ve kan basıncına etkili diğer parametrelerle karşılaştırılması., Expertise In Medicine, İ.BAKAN(Student), 2002

## Jury Memberships

Associate Professor Exam, Doçentlik sözlü Sınavı, Kırşehir Ahi Evran Üniversitesi, April, 2019

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, December, 2018

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, December, 2015

Associate Professor Exam, Doçentlik Sınav Jürisi, Afyon Kocatepe Üniversitesi Tıp Fakültesi, March, 2015

Associate Professor Exam, Doçentlik Sınav Jürisi, Hacettepe Üniversitesi Tıp Fakültesi, March, 2015

Post Graduate, Tez Savunma Jürisi, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, February, 2015

Appointment Academic Staff, Yardımcı Doçentlik Kadrosuna Atama Jürisi, Erzincan Üniversitesi, December, 2014

Appointment Academic Staff, Yardımcı Doçentlik Kadrosuna Atama Jürisi, Erzincan Üniversitesi Tıp Fakültesi, December, 2014

Appointment Academic Staff, Profesör Kadrosuna Atama Jürisi, Akdeniz Üniversitesi Tıp Fakültesi, December, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Afyon Kocatepe Üniversitesi Tıp Fakültesi, November, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Hacettepe Üniversitesi Tıp Fakültesi, September, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi, March, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Ankara Üniversitesi Tıp Fakültesi, March, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Marmara Üniversitesi Tıp Fakültesi, March, 2014

Appointment Academic Staff, Doçentlik Kadrosuna Atama Jürisi, İnönü Üniversitesi Tıp Fakültesi, February, 2014

Appointment Academic Staff, Yardımcı Doçentlik Kadrosuna Atama Jürisi, Fırat Üniversitesi Tıp Fakültesi, February, 2014

Appointment Academic Staff, Yardımcı Doçentlik Kadrosuna Atama Jürisi, Mehmet Akif Üniversitesi Fen Edebiyat Fakültesi, February, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Selçuk Üniversitesi Tıp Fakültesi, January, 2014

Associate Professor Exam, Doçentlik Sınav Jürisi, Marmara Üniversitesi Tıp Fakültesi, October, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Ankara Üniversitesi Tıp Fakültesi, September, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Hacettepe Üniversitesi Tıp Fakültesi, September, 2013

Doctorate, Doktora Tez savunması, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, August, 2013

Post Graduate, Yüksek Lisans Tez Savunması, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, January, 2013

Associate Professor Exam, Doçentlik Sınav Jürisi, Gaziantep Üniversitesi Tıp Fakültesi, September, 2012

Doctorate, Doktora Tez Savunması, Erciyes Üniversitesi Sağlık Bilimleri Enstitüsü, August, 2012

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

### I. The Characterization of Sex Differences in Hypoglycemia-Induced Activation of HPA Axis on the Transcriptomic Level

TAHERİ S., Karaca Z., Rassoulzadegan M., Mehmetbeyoglu E., ZARARSIZ G., ŞENER E. F. , Bayram K. K. , Tufan E., Sahin M. C. , Marasli M. K. , et al.

CELLULAR AND MOLECULAR NEUROBIOLOGY, 2021 (Journal Indexed in SCI)

### II. Novel alterations of CC2D1A as a candidate gene in a Turkish sample of patients with autism spectrum disorder

ŞENER E. F. , ÖNAL M. G. , Dal F., Nalbantoglu U., ÖZKUL Y., CANATAN H., Oztop D. B.

INTERNATIONAL JOURNAL OF NEUROSCIENCE, 2020 (Journal Indexed in SCI)

- III. **FOX M1 plays a role in autophagy by transcriptionally regulating Beclin-1 and LC3 genes in human triple-negative breast cancer cells**  
 HAMURCU Z., DELİBAŞI N., Nalbantoglu U., ŞENER E. F. , Nurdinov N., Taşçı B., TAHERİ S., ÖZKUL Y., Donmez-Altuntas H., CANATAN H., et al.  
 JOURNAL OF MOLECULAR MEDICINE-JMM, vol.97, no.4, pp.491-508, 2019 (Journal Indexed in SCI)
- IV. **Fingolimod Alters Tissue Distribution and Cytokine Production of Human and Murine Innate Lymphoid Cells**  
 EKEN A., YETKİN M. F. , VURAL A., Okus F. Z. , Erdem S., Azizoglu Z. B. , Haliloglu Y., Cakir M., Turkoglu E. M. , Kilic O., et al.  
 FRONTIERS IN IMMUNOLOGY, vol.10, 2019 (Journal Indexed in SCI)
- V. **Altered Global mRNA Expressions of Pain and Aggression Related Genes in the Blood of Children with Autism Spectrum Disorders**  
 Şener E. F. , Taheri S., Şahin M., Bayramov K. K. , Maraşlı M. K. , Zararsız G., Mehmetbeyoğlu E., Öztop D. B. , Canpolat M., Canatan H., et al.  
 JOURNAL OF MOLECULAR NEUROSCIENCE, vol.67, no.1, pp.89-96, 2019 (Journal Indexed in SCI)
- VI. **Group 3 innate lymphoid cells are absent DOCK8- defective HIES patients**  
 Eken A., Okuş F. Z. , Patroğlu T., Erdem Ş., Karakükcü M., Altuntaş H., Canatan H., Ünal E.  
 Journal Of Immunology, vol.200, no.1, 2018 (Journal Indexed in SCI Expanded)
- VII. **Fingolimod impacts innate lymphoid cell biology**  
 EKEN A., YETKİN M. F. , Okuş F. Z. , Erdem Ş., ÇAKIR M., ALTUNTAŞ H., MİRZA M., CANATAN H.  
 Journal Of Immunology, vol.200, pp.4110, 2018 (Journal Indexed in SCI)
- VIII. **Targeting LC3 and Beclin-1 autophagy genes suppresses proliferation, survival, migration and invasion by inhibition of Cyclin-D1 and uPAR/Integrin beta 1/ Src signaling in triple negative breast cancer cells**  
 HAMURCU Z., DELIBASI N., GECENE S., ŞENER E. F. , Donmez-Altuntas H., ÖZKUL Y., CANATAN H., OZPOLAT B.  
 JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol.144, no.3, pp.415-430, 2018 (Journal Indexed in SCI)
- IX. **Current status in cancer cell reprogramming and its clinical implications**  
 Izgi K., CANATAN H., Iskender B.  
 JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol.143, no.3, pp.371-383, 2017 (Journal Indexed in SCI)
- X. **The roles of CC2D1A and HTR1A gene expressions in autism spectrum disorders**  
 ŞENER E. F. , UYTUN M. C. , BAYRAMOV K. K. , ZARARSIZ G., Oztop D. B. , CANATAN H., ÖZKUL Y.  
 METABOLIC BRAIN DISEASE, vol.31, no.3, pp.613-619, 2016 (Journal Indexed in SCI)
- XI. **Inhibition of epithelial-mesenchymal transition in bladder cancer cells via modulation of mTOR signalling**  
 Iskender B., Izgi K., Hizar E., Jauch J., Arslanhan A., Yuksek E. H. , CANATAN H.  
 TUMOR BIOLOGY, vol.37, no.6, pp.8281-8291, 2016 (Journal Indexed in SCI)
- XII. **Recent Advances in Autism Spectrum Disorders: Applications of Whole Exome Sequencing Technology.**  
 Sener E. F. , Canatan H., Ozkul Y.  
 Psychiatry investigation, vol.13, pp.255-64, 2016 (Journal Indexed in SCI Expanded)
- XIII. **The combination of thymoquinone and paclitaxel shows anti-tumor activity through the interplay with apoptosis network in triple-negative breast cancer**  
 Sakalar C., Izgi K., Iskender B., Sezen S., Aksu H., ÇAKIR M., KURT B., Turan A., CANATAN H.  
 TUMOR BIOLOGY, vol.37, no.4, pp.4467-4477, 2016 (Journal Indexed in SCI)
- XIV. **Nuclear AgNOR protein enhancement in nucleoplasm of peripheral blood lymphocytes of babies/children with down syndrome**  
 Imamoglu N. N. , Eroz R., CANATAN H., Demirtas H., SAATÇI Ç.  
 MICROSCOPY RESEARCH AND TECHNIQUE, vol.79, no.3, pp.133-139, 2016 (Journal Indexed in SCI)
- XV. **Priming hMSCs with a putative anti-cancer compound, myrto-commulone-a: a way to harness hMSC**

**cytokine expression via modulating PI3K/Akt pathway?**

Iskender B., Izgi K., Sakalar C., CANATAN H.

TUMOR BIOLOGY, vol.37, no.2, pp.1967-1981, 2016 (Journal Indexed in SCI)

- XVI. **Myrtucommulone-A treatment decreases pluripotency- and multipotency-associated marker expression in bladder cancer cell line HTB-9**  
ISKENDER B., Izgi K., Karaca H., CANATAN H.  
JOURNAL OF NATURAL MEDICINES, vol.69, no.4, pp.543-554, 2015 (Journal Indexed in SCI)
- XVII. **Myrtucommulone-A Induces both Extrinsic and Intrinsic Apoptotic Pathways in Cancer Cells**  
Izgi K., ISKENDER B., JAUCH J., Sezen S., ÇAKIR M., CHARPENTIER M., CANATAN H., Sakalar C.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.29, no.9, pp.432-439, 2015 (Journal Indexed in SCI)
- XVIII. **Evaluation of two different adjuvants with immunogenic uroplakin 3A-derived peptide for their ability to evoke an immune response in mice**  
Izgi K., Iskender B., Sakalar C., arslanhan A., SARAYMEN B., CANATAN H.  
EUROPEAN CYTOKINE NETWORK, vol.26, no.2, pp.46-56, 2015 (Journal Indexed in SCI)
- XIX. **Characterization of the Interleukin-28B Gene rs12979860 C/T Polymorphism in Turkish Chronic Hepatitis C Patients and Healthy Individuals**  
TAHERİ S., AYGEN B., KORKMAZ K., YILDIZ O., ZARARSIZ G., CANATAN H.  
BALKAN MEDICAL JOURNAL, vol.32, no.2, pp.147-155, 2015 (Journal Indexed in SCI)
- XX. **GLP-1-mediated gene therapy approaches for diabetes treatment**  
TAŞYÜREK M. H. , ALTUNBAŞ H. A. , CANATAN H., Griffith T. S. , Sanlioglu S.  
EXPERT REVIEWS IN MOLECULAR MEDICINE, vol.16, 2014 (Journal Indexed in SCI)
- XXI. **Pronounced transcriptional regulation of apoptotic and TNF-NF-kappa-B signaling genes during the course of thymoquinone mediated apoptosis in HeLa cells**  
Sakalar C., Yürük M., Kaya T., Aytakin M., Kuk S., CANATAN H.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.383, pp.243-251, 2013 (Journal Indexed in SCI)
- XXII. **"İndüklenmiş Pluripotent Hücreler Ve Hücre Tedavisi", JCEI, cilt.basimda, ss. 2013**  
İSKENDER B., CANATAN H.  
Journal of Clinical and Experimental Investigations, vol.4, no.4, pp.550-561, 2013 (Journal Indexed in SCI Expanded)
- XXIII. **Elevated Plasma Hyaluronan Levels in Pulmonary Hypertension**  
KALAY N., ELÇİK D., CANATAN H., Kaya M. G. , Yarlioglu M., OĞUZHAN A., Dweik R. A. , Aytakin M.  
TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, vol.230, no.1, pp.7-11, 2013 (Journal Indexed in SCI)
- XXIV. **EVALUATION OF EFFECTS OF EXPERIMENTAL EXOGENOUS FEVER, HYPERTHERMIA AND VARIOUS DRUGS ON INFANT RAT BRAIN**  
Aydin M., Girgin F. I. , Kabakus N., Ayar A., Canatan H., Bulmus O., Ozercan R., Yilmaz B., Sen Y.  
NOBEL MEDICUS, vol.8, no.3, pp.66-75, 2012 (Journal Indexed in SCI)
- XXV. **DeneySEL Olarak Oluşturulmuş Ekzojen Ateş, Hipertermi ve Buna Yönelik Kullanılan Bazı İlaçların Yavru Rat Beyni Üzerine Olan Etkilerinin Değerlendirilmesi**  
Aydin M., Ayar A., CANATAN H., Yilmaz B., Kabakus N.  
NOBEL MEDICUS, vol.8, no.3, pp.66-75, 2012 (Journal Indexed in SCI Expanded)
- XXVI. **Inhibition of Ras-GTPase Farnesylation and the Ubiquitin-Proteasome System or Treatment with Angiotensin-(1-7) Attenuates Spinal Cord Injury-Induced Cardiac Dysfunction**  
Benter I. F. , Abul H. T. , Al-Khaledi G., Renno W. M. , CANATAN H., Akhtar S.  
JOURNAL OF NEUROTRAUMA, vol.28, no.7, pp.1271-1279, 2011 (Journal Indexed in SCI)
- XXVII. **The effects of lipopolysaccharide-induced endogenous hyperthermia and different antipyretic treatment modalities on rat brain**  
Aydin M., Kislal F. M. , Ayar A., Demiroglu M., Kabakus N., Canatan H., Bulmus O., Ozercan R., Yilmaz B., Sen Y., et al.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, vol.112, no.5, pp.227-234, 2011 (Journal Indexed in SCI)
- XXVIII. **Protective effect of octreotide on intra-tracheal bleomycin-induced oxidative damage in rats**

- Kara H., Karatas F., Tug T., Canatan H., Karaoglu A.  
EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY, vol.62, no.3, pp.235-241, 2010 (Journal Indexed in SCI)
- XXIX. **Early inhibition of EGFR signaling prevents diabetes-induced up-regulation of multiple gene pathways in the mesenteric vasculature**  
Benter I. F., Benboubetra M., Hollins A. J., Yousif M. H. M., Canatan H., Akhtar S.  
VASCULAR PHARMACOLOGY, vol.51, no.4, pp.236-245, 2009 (Journal Indexed in SCI)
- XXX. **Global upregulation of gene expression associated with renal dysfunction in DOCA-salt-induced hypertensive rats occurs via signaling cascades involving epidermal growth factor receptor: A microarray analysis**  
Benter I. F., Canatan H., Benboubetra M., Yousif M. H. M., Akhtar S.  
VASCULAR PHARMACOLOGY, vol.51, pp.101-109, 2009 (Journal Indexed in SCI)
- XXXI. **Expression of obestatin and ghrelin in papillary thyroid carcinoma**  
Karaoglu A., Aydin S., Dagli A. F., Cummings D. E., Ozercan I. H., Canatan H., Ozkan Y.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.323, pp.113-118, 2009 (Journal Indexed in SCI)
- XXXII. **In vitro and in vivo anti-inflammatory effects of andrographolide**  
Abu-Ghefreh A. A., Canatan H., Ezeamuzie C. I.  
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.9, no.3, pp.313-318, 2009 (Journal Indexed in SCI)
- XXXIII. **The effect of cardiac ischemic preconditioning on rat left ventricular gene expression profile**  
Canatan H.  
CELL BIOCHEMISTRY AND FUNCTION, vol.26, no.2, pp.179-184, 2008 (Journal Indexed in SCI)
- XXXIV. **Cardioprotection from ischemia-reperfusion injury due to Ras-GTPase inhibition is attenuated by glibenclamide in the globally ischemic heart**  
Al-Rashdan I., Canatan H., Al-Maghrebi M., Yousif M. H. M., Khan S. A., Benter I. F.  
CELL BIOCHEMISTRY AND FUNCTION, vol.25, no.4, pp.455-461, 2007 (Journal Indexed in SCI)
- XXXV. **Phosphoinositide 3-kinase mediated signalling contributes to development of diabetes-induced abnormal vascular reactivity of rat carotid artery**  
Yousif M., Benter I., Hares N., Canatan H., Akhtar S.  
CELL BIOCHEMISTRY AND FUNCTION, vol.24, no.1, pp.13-22, 2006 (Journal Indexed in SCI)
- XXXVI. **Hemodynamic effects of sildenafil citrate (Viagra) on segmental branches of bilateral renal arteries**  
Ardicoglu A., Kocakoc E., Yuzgec V., Bozgeyik Z., Canatan H., Kiris A.  
International Urology and Nephrology, vol.37, no.4, pp.785-789, 2005 (Journal Indexed in SCI Expanded)
- XXXVII. **Signal transduction involving Ras-GTPase contributes to development of hypertension and end-organ damage in spontaneously hypertensive rats-treated with L-NAME**  
Benter I., Francis I., Khan I., Cojocel C., Juggi J., Yousif M., Canatan H., Alshawaf E., Akhtar S.  
PHARMACOLOGICAL RESEARCH, vol.52, no.5, pp.401-412, 2005 (Journal Indexed in SCI)
- XXXVIII. **Contribution of cytochrome P450 metabolites of arachidonic acid to hypertension and end-organ damage in spontaneously hypertensive rats treated with L-NAME.**  
Benter I., CANATAN H., Juggi J., Yousif M.  
Autonomic and Autacoid Pharmacology, vol.25, no.4, pp.143-154, 2005 (Journal Indexed in SCI Expanded)
- XXXIX. **Inhibition of Ca<sup>2+</sup>/calmodulin-dependent protein kinase II, RAS-GTPase and 20-hydroxyeicosatetraenoic acid attenuates the development of diabetes-induced vascular dysfunction in the rat carotid artery**  
Benter I., Yousif M., Canatan H., Akhtar S.  
PHARMACOLOGICAL RESEARCH, vol.52, no.3, pp.252-257, 2005 (Journal Indexed in SCI)
- XL. **Effects of exogenous metallothionein on acute cadmium toxicity in rats**  
Kara H., Karatas F., Canatan H., Servi K.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.104, no.3, pp.223-232, 2005 (Journal Indexed in SCI)
- XLI. **Levels of cytokines (IL-1 beta, IL-2, IL-6, IL-8, TNF-alpha) and trace elements (Zn, Cu) in breast milk from mothers of preterm and term infants**  
Üstündağ B., Yilmaz E., Dogan Y., Akarsu S., Canatan H., halifeoğlu İ., Çıkım G., Aygun A.  
MEDIATORS OF INFLAMMATION, no.6, pp.331-336, 2005 (Journal Indexed in SCI)

- XLII. Association between Ala-9Val polymorphism of Mn-SOD gene and schizophrenia**  
Akyol Ö., Yanik M., Elyas H., Namli M., Canatan H., Akin H., Yüce H., Yilmaz H., Tutkun H., Sogut S., et al.  
PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY, vol.29, no.1, pp.123-131, 2005  
(Journal Indexed in SCI)
- XLIII. Signal transduction mechanisms involved in cardiac preconditioning: Role of Ras-GTPase, Ca(2+)/calmodulin-dependent protein kinase II and epidermal growth factor receptor**  
Benter I., Juggi J., Khan I., Yousif M., Canatan H., Akhtar S.  
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.268, pp.175-183, 2005 (Journal Indexed in SCI)
- XLIV. Effect of single dose cadmium chloride administration on oxidative stress in male and female rats**  
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Experimental Biology '94, United States Of America, 1 - 04 April 1994, vol.8
- XCvI. **Detection of protein tyrosine phosphatase gamma gene in hamster kidney.**  
Lin Y., CANATAN H., Brueggemeier R., Sugimoto Y.  
Annual Meeting of American Association for Cancer Research, United States Of America, 1 - 04 January 1994, vol.15, pp.0-3519
- XCvII. **Expression of growth factors in human ovary and porcine granulosa cells.**  
Coşkun S., CANATAN H., Lin Y.  
FASEB Meeting, United States Of America, 1 - 04 January 1994, vol.8, pp.0-550
- XCvIII. **Differential regulation of growth factor expressions by Gossypol: A potential inhibitor of prostate cancer cell growth.**  
Shidaifat F., CANATAN H., Brueggemeier R., Kulp S., Chang W., Sugimoto Y., Lin Y.  
Special Conference in Cancer Res.: Basic and Clinical aspects of Prostate Cancer, United States Of America, 1 - 04 January 1994, pp.21
- XCIX. **Characterization of a 5' untranslated exon and its putative promoter of the human acidic fibroblast growth factor (aFGF) gene**  
CANATAN H., Chiu I.  
FASEB Meeting, United States Of America, 1 - 04 January 1991, vol.6, pp.1078

## Supported Projects

EKEN A., CANATAN H., OKUŞ F. Z. , Project Supported by Higher Education Institutions, S1P analoglarının IL-23 reseptör yolağına etkilerinin araştırılması, 2018 - 2019

ŞAKALAR Ç., TAHERİ S., CANATAN H., TUBITAK Project, Timokinon'un Meme Kanseri Hücrelerinde Apoptozla İlişkili MikroRNA Profili Üzerindeki Etkisinin Belirlenmesi, 2015 - 2019

EKEN A., ÖZDARENDELİ A., MİRZA M., YETKİN M. F. , CANATAN H., Project Supported by Higher Education Institutions, S1P1 reseptörünün Multiple Skleroz patogenezinde rol alan insan Th17 hücrelerinin gelişimine ve fonksiyonlarına etkilerinin araştırılması, 2016 - 2018

TAHERİ S., TANRIVERDİ F., ÖZDAMAR KARACA Z. C. , ÖZTÜRK F., YÜCEL D., KELEŞTEMUR H. F. , ŞENER E. F. , ÜNLÜHİZARCI K., CANATAN H., TUBITAK Project, İnsüline Bağlı Oluşturulan Hipogliseminin Hipotalamus-Hipofiz-Adrenal Aks Üzerine Etkilerinin Mekanizması, 2014 - 2018

AYTEKİN M., CANATAN H., ŞAKALAR Ç., KALAY N., TUBITAK Project, Pulmoner Yüksek Tansiyon Hastalığının Patalojisinde Hiyalüronan Molekülünün Rolünü Hayvan Modeli Üzerine İncelenmesi, 2013 - 2018

ŞENER E. F. , ÖZKUL Y., ÖZTOP D. B. , ÇIKILI M., CANATAN H., Project Supported by Higher Education Institutions, Otizm Aday Genlerinden CC2D1A'nın Mutasyonlarının ve Gen Ekspresyonunun Araştırılması, 2013 - 2016

ACER N., CANATAN H., ERÖZ R., CEVİZ Y., Project Supported by Higher Education Institutions, Down sendromu tanısı almış çocuklarda MR görüntülerde kantitatif analizleri ile Denver II gelişim tarama testi sonuçları arasındaki ilişkinin incelenmesi, 2013 - 2016

ŞENER E. F. , CANATAN H., ÖZTOP D. B. , CANPOLAT M., TAHERİ S., TUBITAK Project, Otizm Spektrum Bozukluklarında Saldırganlık, Öfke Ve Ağrıya Duyarsızlık İle İlişkili Genlerin Araştırılması, 2014 - 2015

CANATAN H., ŞAKALAR Ç., SEZEN S., Project Supported by Higher Education Institutions, Timokinon (Thymoquinone)' un İnsan Hücre Hattı Modelinde İnsülin Sinyal Yolaklarına Etkilerinin Moleküler Düzeyde Araştırılması, 2014 - 2015

ŞAKALAR Ç., SEZEN S., CANATAN H., SÖNMEZ M. F. , COLLOMBAT P., AKSU H., ÇAKIR M., TURAN A., ÖZKUL Y., İZGİ K., et al., Project Supported by Higher Education Institutions, G Maddesi ve Thymoquinone'nun Diyabet Fare Modelinde Pankreas Beta Hücrelerinin Yenilenmesi Üzerine Etkilerinin Histolojik Olarak ve Gen Ekspresyon Düzeyinde İncelenmesi, 2014 - 2015

AYTEKİN M., KALAY N., ŞAKALAR Ç., CANATAN H., Project Supported by Higher Education Institutions, Pulmoner yüksek tansiyon hastalığının patolojisinde hiyalüronan molekülünün rolünü hayvan modeli üzerinde incelenmesi, 2013 - 2015

CANATAN H., BÖLÜKBAŞI M. A. , Project Supported by Higher Education Institutions, Romatoid artritli hastalarda metotreksat etkinliğinin RFC1 (indirgenmiş folat taşıyıcı 1) geni tek nükleotid polimorfizmi ile ilişkisinin incelenmesi, 2013 - 2015

CANATAN H., KÜÇÜK O., DİNÇ G., YAZICIOĞLU N., KARAHAN S., YAĞCI B. B. , ALAN A., Project Supported by Higher Education Institutions, Uluslararası Katılımlı 3. Ulusal Laboratuvar Hayvanları Bilimi Kongresi, 2013 - 2014

AYTEKİN M., AKPEK M., ELÇİK D., KALAY N., CANATAN H., Project Supported by Higher Education Institutions, Pulmoner Arteriyel Hipertansiyon Hastalığı Tanı ve Prognozunda Biyomarkırların Belirlenmesi, 2012 - 2013

ŞAKALAR Ç., CANATAN H., AYTEKİN M., Project Supported by Higher Education Institutions, Over kanserinde üretilen anti mullerian hormon reseptör II (AMHR2) proteininin sitoplazmik ve ekstrasellüler domainlerinin kanser immun terapide kullanılmak amacıyla rekombinant olarak elde edilmesi, 2012 - 2013

CANATAN H., SOFİKERİM M., YILMAZ S., ÇETİN M., ÖZKUL Y., ALTUNTAŞ H., HAMURCU Z., BİTGEN N., CANTÜRK F., ŞAHİN F., et al., Project Supported by Higher Education Institutions, Kök Hücre Proteini Piwil2'nin Prostat Epitel Hücrelerinin Kanser Kök Hücrelerine Geçişindeki Rolünün LNCaP Hücre Hattında Araştırılması, 2011 - 2013

CANATAN H., Other Supported Projects, Characterization of signaling pathways in hypertension using microarray-based global gene expression profiling, 2004 - 2008

CANATAN H., Other Supported Projects, Characterization of the effects of preconditioning and Ras-GTPase inhibition on left ventricular gene expression profiles in the globally ischemic heart, 2006 - 2004

## Activities in Scientific Journals

EBioMedicine, Evaluation Committee Member, 2018 - Continues

Chinese Journal of Cancer, Evaluation Committee Member, 2015 - Continues

Molecular Neurobiology, Advisory Committee Member, 2015 - Continues

Peptides, Evaluation Committee Member, 2015 - Continues

Journal of Biochemical and Molecular Toxicology, Evaluation Committee Member, 2015 - Continues

Tr J Med Sciences, Evaluation Committee Member, 2014 - Continues

Hemodialysis International, Evaluation Committee Member, 2013 - Continues

Genetic Testing & Molecular Biomarkers, Evaluation Committee Member, 2012 - Continues

Turkish Journal of Biochemistry, Evaluation Committee Member, 2010 - Continues

Erciyes Medical Journal, Evaluation Committee Member, 2010 - Continues

Clinical Chemistry and Laboratory Medicine, Evaluation Committee Member, 2006 - Continues

## Memberships / Tasks in Scientific Organizations

Kök Hücre ve Hücreyel Tedaviler Derneği, Member, 2015 - Continues  
Türk Moleküler Tıp Derneği, Member, 2015 - Continues  
Moleküler Kanser Araştırma Derneği (MOKAD), Member, 2015 - Continues  
Laboratuvar Hayvanları Bilimi Derneği, Member, 2011 - Continues  
Türk Nöro-endokrinoloji Derneği, Member, 2008 - Continues  
Tıbbi Biyoloji ve Genetik Derneği, Member, 1998 - Continues

## Scientific Refereeing

TUBITAK Project, June 2012  
Project Supported by Higher Education Institutions, January 2012

## Edit Congress and Symposium Activities

3th International University Museums Association Conference, Attendee, Edirne, Turkey, 2016  
AGÜ I. Yaşam Bilimleri Sempozyumu, Attendee, Kayseri, Turkey, 2016  
4. Ulusal Laboratuvar Hayvanları Bilimi Kongresi, Session Moderator, Samsun, Turkey, 2015  
Fourth International Workshop on cAMP signalling, PKA and phosphodiesterases: from genetics to function and human diseases, Attendee, Kayseri, Turkey, 2015  
4th Int. Workshop on cAMP signaling, Protein kinase A, and phosphodiesterases: from genetics to function and human diseases, Attendee, Kayseri, Turkey, 2015  
4th Int. Workshop on cAMP signaling, Protein kinase A, and phosphodiesterases: from genetics to function and human diseases, Moderator, Kayseri, Turkey, 2015  
Cell Therapies in Hematology, 2nd Workshop, Attendee, Kayseri, Turkey, 2015  
Vth International Congress of Molecular Medicine: from cell to bedside, Attendee, İzmir, Turkey, 2015  
EACR-sponsored 3rd Anticancer Agent Development Congress, Session Moderator, İzmir, Turkey, 2015  
EACR-sponsored 3rd Anticancer Agent Development Congress, Attendee, İzmir, Turkey, 2015  
II. Uluslararası Katılımlı Deneysel Hematoloji Kongresi, Attendee, Kayseri, Turkey, 2015  
13th CRG Symposium "Gene Regulation, Stem Cells and Cancer.", Attendee, Barcelona, Spain, 2014  
1. Uluslararası Adli Biyoloji ve Genetik Kongresi, Attendee, Ankara, Turkey, 2014  
Animal Immunogenetic and Molecular Immunology Workshop, Attendee, Kayseri, Turkey, 2014  
3. Ulusal Laboratuvar Hayvanları Bilimi Kongresi-Uluslararası katılımlı, Attendee, Erciyes Üniversitesi, Kayseri, Turkey, 2013  
EUROBIOTECH 2012 AGRICULTURE SYMPOSIUM, Attendee, Kayseri, Turkey, 2012  
1st International Conference on Stem Cell Research and Applications, Attendee, Kayseri, Turkey, 2011

## Citations

Total Citations (WOS):2112  
h-index (WOS):24

## Scholarships

Fellowship to attend Fellowship ASI titled Targeting of Drugs: Strategies for gene constructs and delivery held in Greece, NATO, 2009 - Continues  
Fellowship to attend "Advanced large scale gene expression profiling: focus on miRNAs, CHIP-on- chip, and whole genome sequencing". International microarray training workshop and mini-symposium held in Finland, Other International Organizations, 2008 - Continues

Fellowship to attend 2nd International Practical Training Course on Bioinformatics held in Iran, Other International Organizations, 2004 - Continues

Fellowship to attend Large scale gene expression analysis using DNA microarrays: International microarray training workshop and minisymposium held in Finland, Official Institutions of Foreign Countries, 2004 - Continues

Fellowship to attend FEBS Advanced Course Co-Sponsored by SFRR-Europe, NATO, UNESCO-MCNB, IUBMB: Free Radicals, Nitric Oxide Inflammation: Molecular, Biochemical and Clinical Aspects held in Anatolya, NATO, 2001 - Continues

FEBS Advanced Course Co-Sponsored by SFRR-Europe, NATO, UNESCO-MCNB, IUBMB: Free Radicals, Nitric Oxide Inflammation: Molecular, Biochemical and Clinical Aspects toplantısına seyahat desteđi, TUBITAK, 2001 - Continues

Hırvatistan'da yapılan "Introduction to Bioinformatics" Kursuna Seyahat Desteđi, TUBITAK, 2000 - Continues

Fellowship to attend FEBS Advanced Course Co-Sponsored by SFRR-Europe Free Radicals, Nitric Oxide And Antioxidants In Health And Disease held in anatlay, Other International Organizations, 1999 - Continues

Graduate Research Assistanship, University, 1993 - Continues

Genetik Mühendisliđi Yurtdışı (A.B.D.) Eđitim Bursu, NATO, 1989 - Continues

## Awards

CANATAN H., BAŞARILI MÜZE AKADEMİSYENİ ÖDÜLÜ, Üniversite Müzeleri Birliđi, April 2016

CANATAN H., Akademik Teşvikte Tam Puan Alan Akademisyen- Teşekkür Belgesi, Erciyes Üniversitesi Senatosu, March 2016

CANATAN H., OECl-EurocanPlatform Fellowship, The Organisation of European Cancer Institute's (OECl), October 2015

CANATAN H., Best Poster Award, 13th Annual Health Sciences Poster Conference, Health Sciences Center, Faculty of Medicine, Kuwait University, Kuwait, April 2008

CANATAN H., Best Poster Award, 10th Annual Health Sciences Poster Conference, Health Sciences Center, Faculty of Medicine, Kuwait University, Kuwait, April 2005

CANATAN H., Best Poster award, Phi Zeta, May 1993

CANATAN H., Fırat Üniversitesi Veteriner Fakültesi Birincisi-1987, Fırat Üniversitesi Rektörlüğü, June 1987

CANATAN H., Fırat Üniversitesi Birincisi-1987, Fırat Üniversitesi Rektörlüğü, June 1987