

## Prof. AJDA ÇOKER GÜRKAN

### Personal Information

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### International Researcher IDs

ScholarID: 0000-0003-2298-5755

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Yoksis Researcher ID: 125860

### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Biology, Turkey 2005 - 2009

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Biology, Turkey 2002 - 2005

Undergraduate, Marmara University, Faculty of Arts and Sciences, Biology, Turkey 1998 - 2002

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, Eğiticinin Eğitimi Mesleki Eğitim , Biruni Üniversitesi, Biruni Üniversitesi, 2021

Education Management and Planning, İvest İstanbul, Entrepreneurship Gateway Hub of İstanbul Girişimcilik , Şehir Üniversitesi, Şehir Üniversitesi, 2017

Education Management and Planning, KOSGEB Uygulamalı Girişimcilik Sertifikası Girişimcilik , KOSGEB, KOSGEB, 2016

Education Management and Planning, İstanbul Teknik Üniversitesi (İTÜ) Çekirdek Erken Aşama Kuluçka Merkezi Girişimcilik Eğitimi Mesleki Eğitim , İstanbul Teknik Üniversitesi, İstanbul Teknik Üniversitesi, 2016

### Dissertations

Doctorate, İnsan büyüme hormonunun (BH-N) klonlanması, ekspresyonu ve izole büyüme hormonu eksikliği sendromunun genetik karakterizasyonu, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Biology, 2009

Postgraduate, Koroner arter hastalığı ile IL-1 reseptör antagonist gen polimorfizminin moleküler düzeyde incelenmesi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2005

### Research Areas

## Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Biology, 2022 - Continues

Professor, Istanbul Kultur University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2019 - 2021

Associate Professor, Istanbul Kultur University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2014 - 2019

Assistant Professor, Istanbul Kultur University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2010 - 2014

Research Assistant, Istanbul Kultur University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2008 - 2010

## Academic and Administrative Experience

Head of Department, Biruni University, Faculty Of Engineering And Natural Sciences, Department Of Molecular Biology And Genetics, 2021 - 2022

Bölüm Kalite Komisyonu Üyesi, Istanbul Kultur University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2019 - 2021

## Courses

Genetik II, Undergraduate, 2021 - 2022

Hücre Kültürü Teknikleri , Undergraduate, 2021 - 2022

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

- I. **The Suppressive Effect of Novel Hydrazones-Tethered Imidazoles in HCT-116 and HT-29 Colorectal Cancer Cells: Synthesis, Biological Activity and Molecular Modeling Studies**  
Kekeçmuhammed H., Tapera M., Şahin K., Öztürk Sever B., Anber A. M., BORA R. E., Avşar T., Kılıç T., Günger E., SARIPINAR E., et al.  
ChemistrySelect, vol.9, no.19, 2024 (SCI-Expanded)
- II. **Epibrassinolide impaired colon tumor progression and induced autophagy in SCID mouse xenograft model via acting on cell cycle progression without affecting endoplasmic reticulum stress observed in vitro**  
YERLİKAYA P. O., Adacan K., KARATUĞ KAÇAR A., ÇOKER GÜRKAN A., Arisan E. D.  
International Journal of Biochemistry and Cell Biology, vol.155, 2023 (SCI-Expanded)
- III. **The protective impact of growth hormone against rotenone-induced apoptotic cell death via acting on endoplasmic reticulum stress and autophagy axis**  
Berrak Rencüzoğullari Ö., Tornaci S., Çelik Y., Ciroğlu N. N., YERLİKAYA P. O., Arisan E. D., ÇOKER GÜRKAN A.  
Turkish Journal of Biology, vol.47, no.1, pp.29-43, 2023 (SCI-Expanded)
- IV. **Palbociclib negatively regulates fatty acid synthesis due to upregulation of AMPK alpha and miR-33a levels to increase apoptosis in Panc-1 and MiaPaCa-2 cells**  
Rencuzogullari O., Yerlikaya P. O., Gurkan A., Arisan E. D., Telci D.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.69, no.1, pp.342-354, 2022 (SCI-Expanded)
- V. **miR27a, a fine-tuning molecule, interacts with growth hormone (GH) signaling and ornithine decarboxylase (ODC) via targeting STAT5**

Coker-Gurkan A, Koyuncu K, Yerlikaya P. O., Arisan E. D.  
AMINO ACIDS, vol.54, no.1, pp.71-84, 2022 (SCI-Expanded)

- VI. **In Vitro Investigations of miR-33a Expression in Estrogen Receptor-Targeting Therapies in Breast Cancer Cells**  
Ozfiliz-Kilbas P, Sonmez O, Obakan-Yerlikaya P, Coker-Gurkan A, Palavan-Unsal N, Uysal-Onganer P, Arisan E. D.  
CANCERS, vol.13, no.21, 2021 (SCI-Expanded)
- VII. **Epibrassinolide prevents tau hyperphosphorylation via GSK3 beta inhibition in vitro and improves Caenorhabditis elegans lifespan and motor deficits in combination with roscovitine**  
Yerlikaya P. O., Arisan E. D., Gurkan A., Okumus O. O., Yenigun T, Ozbey U, Kara M., Unsal N. P.  
AMINO ACIDS, vol.53, no.9, pp.1373-1389, 2021 (SCI-Expanded)
- VIII. **Atiprimod triggered apoptotic cell death via acting on PERK/eIF2 alpha/ATF4/CHOP and STAT3/NF-Kappa B axis in MDA-MB-231 and MDA-MB-468 breast cancer cells**  
Coker-Gurkan A., Can E., Sahin S., Obakan-Yerlikaya P., Arisan E.  
MOLECULAR BIOLOGY REPORTS, vol.48, no.6, pp.5233-5247, 2021 (SCI-Expanded)
- IX. **Proinflammatory cytokine profile is critical in autocrine GH-triggered curcumin resistance engulf by atiprimod cotreatment in MCF-7 and MDA-MB-231 breast cancer cells**  
Coker-Gurkan A., Ozakaltun B., Akdeniz B., Ergen B., Obakan-Yerlikaya P., AKKOÇ T., Arisan E.  
MOLECULAR BIOLOGY REPORTS, vol.47, no.11, pp.8797-8808, 2020 (SCI-Expanded)
- X. **Specific c-Jun N-Terminal Kinase Inhibitor, JNK-IN-8 Suppresses Mesenchymal Profile of PTX-Resistant MCF-7 Cells through Modulating PI3K/Akt, MAPK and Wnt Signaling Pathways**  
Ozfiliz Kilbas P., Sonmez O., Uysal-Onganer P., Coker Gurkan A., Obakan Yerlikaya P., Arisan E. D.  
BIOLOGY-BASEL, vol.9, no.10, 2020 (SCI-Expanded)
- XI. **The role of the PI3K/AKT/mTOR signaling axis in the decision of the celastrol-induced cell death mechanism related to the lipid regulatory pathway in prostate cancer cells**  
Arisan E. D., Rencuzogullari O., Coban M., Sevgin B., Obakan-Yerlikaya P., Coker-Gurkan A., Palavan-Unsal N.  
PHYTOCHEMISTRY LETTERS, vol.39, pp.73-83, 2020 (SCI-Expanded)
- XII. **Epibrassinolide-induced autophagy occurs in an Atg5-independent manner due to endoplasmic stress induction in MEF cells**  
Adacan K., Obakan-Yerlikaya P., Arisan E. D., Coker-Gurkan A., Kaya R. I., Palavan-Unsal N.  
AMINO ACIDS, vol.52, no.6-7, pp.871-891, 2020 (SCI-Expanded)
- XIII. **Palbociclib, a selective CDK4/6 inhibitor, restricts cell survival and epithelial-mesenchymal transition in Panc-1 and MiaPaCa-2 pancreatic cancer cells**  
Rencuzogullari O., Yerlikaya P. O., Gurkan A., Arisan E. D., Telci D.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.121, no.1, pp.508-523, 2020 (SCI-Expanded)
- XIV. **The molecular targets of diclofenac differs from ibuprofen to induce apoptosis and epithelial mesenchymal transition due to alternation on oxidative stress management p53 independently in PC3 prostate cancer cells**  
Arisan E. D., Akar R. O., Rencuzogullari O., Yerlikaya P. O., Gurkan A., Akin B., Dener E., Kayhan E., Unsal N. P.  
PROSTATE INTERNATIONAL, vol.7, no.4, pp.156-165, 2019 (SCI-Expanded)
- XV. **Atiprimod induce apoptosis in pituitary adenoma: Endoplasmic reticulum stress and autophagy pathways**  
Coker-Gurkan A., Ayhan-Sahin B., Keceloglu G., Obakan-Yerlikaya P., Arisan E., Palavan-Unsal N.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.120, no.12, pp.19749-19763, 2019 (SCI-Expanded)
- XVI. **Inhibition of extracellular signal-regulated kinase potentiates the apoptotic and antimetastatic effects of cyclin-dependent kinase inhibitors on metastatic DU145 and PC3 prostate cancer cells**  
Rencuzogullari O., Arisan E. D., Yerlikaya P. O., Gurkan A., Keskin B., Unsal N. P.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.120, no.4, pp.5558-5569, 2019 (SCI-Expanded)
- XVII. **Curcumin prevented human autocrine growth hormone (GH) signaling mediated NF-kappa B activation and miR-183-96-182 cluster stimulated epithelial mesenchymal transition in T47D breast cancer cells**  
Coker-Gurkan A., Bulut D., Genc R., Arisan E., Obakan-Yerlikaya P., Palavan-Unsal N.

- MOLECULAR BIOLOGY REPORTS, vol.46, no.1, pp.355-369, 2019 (SCI-Expanded)
- XVIII. **Diclofenac induced apoptosis via altering PI3K/Akt/MAPK signaling axis in HCT 116 more efficiently compared to SW480 colon cancer cells**  
Arisan E. D., Ergul Z., Bozdog G., Rencuzogullari O., Coker-Gurkan A., Obakan-Yerlikaya P., Coskun D., Palavan-Unsal N.  
MOLECULAR BIOLOGY REPORTS, vol.45, no.6, pp.2175-2184, 2018 (SCI-Expanded)
- XIX. **Cyclin-dependent kinase inhibitors, roscovitine and purvalanol, induce apoptosis and autophagy related to unfolded protein response in HeLa cervical cancer cells**  
Ozfiliz-Kilbas P., Sarikaya B., Obakan-Yerlikaya P., Coker-Gurkan A., Arisan E. D., Temizci B., Palavan-Unsal N.  
MOLECULAR BIOLOGY REPORTS, vol.45, no.5, pp.815-828, 2018 (SCI-Expanded)
- XX. **Curcumin inhibits autocrine growth hormone-mediated invasion and metastasis by targeting NF-kappa B signaling and polyamine metabolism in breast cancer cells**  
Coker-Gurkan A., Celik M., Ugur M., Arisan E., Obakan-Yerlikaya P., Durdu Z. B., Palavan-Unsal N.  
AMINO ACIDS, vol.50, no.8, pp.1045-1069, 2018 (SCI-Expanded)
- XXI. **Inhibition of autophagy enhances DENSpm-induced apoptosis in human colon cancer cells in a p53 independent manner**  
Gurkan A., Arisan E. D., Yerlikaya P. O., Ilhan H., Unsal N. P.  
CELLULAR ONCOLOGY, vol.41, no.3, pp.297-317, 2018 (SCI-Expanded)
- XXII. **Calreticulin is a fine tuning molecule in epibrassinolide-induced apoptosis through activating endoplasmic reticulum stress in colon cancer cells**  
Obakan-Yerlikaya P., Arisan E. D., Coker-Gurkan A., Adacan K., Ozbey U., Somuncu B., Baran D., Palavan-Unsal N.  
MOLECULAR CARCINOGENESIS, vol.56, no.6, pp.1603-1619, 2017 (SCI-Expanded)
- XXIII. **DENSpm overcame Bcl-2 mediated resistance against Paclitaxel treatment in MCF-7 breast cancer cells via activating polyamine catabolic machinery**  
Akyol Z., Coker-Gurkan A., Arisan E. D., Obakan-Yerlikaya P., Palavan-Unsal N.  
BIOMEDICINE & PHARMACOTHERAPY, vol.84, pp.2029-2041, 2016 (SCI-Expanded)
- XXIV. **mTOR is a fine tuning molecule in CDK inhibitors-induced distinct cell death mechanisms via PI3K/AKT/mTOR signaling axis in prostate cancer cells**  
Berrak O., Arisan E. D., Obakan-Yerlikaya P., Coker-Gurkan A., Palavan-Unsal N.  
APOPTOSIS, vol.21, no.10, pp.1158-1178, 2016 (SCI-Expanded)
- XXV. **The inhibition of PI3K and NF kappa B promoted curcumin-induced cell cycle arrest at G2/M via altering polyamine metabolism in Bcl-2 overexpressing MCF-7 breast cancer cells**  
Berrak O., Akkoc Y., Arisan E. D., Coker-Gurkan A., Obakan-Yerlikaya P., Palavan-Unsal N.  
BIOMEDICINE & PHARMACOTHERAPY, vol.77, pp.150-160, 2016 (SCI-Expanded)
- XXVI. **Epibrassinolide alters PI3K/MAPK signaling axis via activating Foxo3a-induced mitochondria-mediated apoptosis in colon cancer cells**  
Coskun D., Obakan P., Arisan E. D., Coker-Gurkan A., Palavan-Unsal N.  
EXPERIMENTAL CELL RESEARCH, vol.338, no.1, pp.10-21, 2015 (SCI-Expanded)
- XXVII. **SILAC-Based Mass Spectrometry Analysis Reveals That Epibrassinolide Induces Apoptosis via Activating Endoplasmic Reticulum Stress in Prostate Cancer Cells**  
Obakan P., Barrero C., Coker-Gurkan A., Arisan E. D., Merali S., Palavan-Unsal N.  
PLOS ONE, vol.10, no.9, 2015 (SCI-Expanded)
- XXVIII. **Fetuin-A 742 (C/T) and 766 (C/G) polymorphic sites are associated with increased risk of myocardial infarction in older patients (40 years of age)**  
Coker-Gurkan A., Coskun D., Arisan E. D., Obakan P., Soylyu O., Unsal N. P.  
MOLECULAR MEDICINE REPORTS, vol.12, no.1, pp.1356-1362, 2015 (SCI-Expanded)
- XXIX. **Purvalanol induces endoplasmic reticulum stress-mediated apoptosis and autophagy in a time-dependent manner in HCT116 colon cancer cells**  
Coker-Gurkan A., Arisan E. D., Obakan P., Akalln K., Ozbey U., Palavan-Unsal N.  
ONCOLOGY REPORTS, vol.33, no.6, pp.2761-2770, 2015 (SCI-Expanded)
- XXX. **Polyamines modulate the roscovitine-induced cell death switch decision autophagy vs. apoptosis in**

### **MCF-7 and MDA-MB-231 breast cancer cells**

Arisan E. D., Akkoc Y., Akyuz K. G., Kerman E. M., Obakan P., Coker-Gurkan A., Unsal N. P.  
MOLECULAR MEDICINE REPORTS, vol.11, no.6, pp.4532-4540, 2015 (SCI-Expanded)

- XXXI. **Inhibition of PI3K signaling triggered apoptotic potential of curcumin which is hindered by Bcl-2 through activation of autophagy in MCF-7 cells**  
Akkoc Y., Berrak O., Arisan E. D., Obakan P., Coker-Gurkan A., Palavan-Unsal N.  
BIOMEDICINE & PHARMACOTHERAPY, vol.71, pp.161-171, 2015 (SCI-Expanded)
- XXXII. **Roscovitine-treated He La cells finalize autophagy later than apoptosis by downregulating Bcl-2**  
Coker-Gurkan A., Arisan E. D., Obakan P., Ozfiliz P., Kose B., Bickici G., Palavan-Unsal N.  
MOLECULAR MEDICINE REPORTS, vol.11, no.3, pp.1968-1974, 2015 (SCI-Expanded)
- XXXIII. **Lack of functional p53 renders DENSpm-induced autophagy and apoptosis in time dependent manner in colon cancer cells**  
Coker-Gurkan A., Arisan E. D., Obakan P., Palavan-Unsal N.  
AMINO ACIDS, vol.47, no.1, pp.87-100, 2015 (SCI-Expanded)
- XXXIV. **Epibrassinolide-induced apoptosis regardless of p53 expression via activating polyamine catabolic machinery, a common target for androgen sensitive and insensitive prostate cancer cells**  
Obakan P., Arisan E. D., Coker-Gurkan A., Palavan-Unsal N.  
PROSTATE, vol.74, no.16, pp.1622-1633, 2014 (SCI-Expanded)
- XXXV. **Inhibition of autophagy by 3-MA potentiates purvalanol-induced apoptosis in Bax deficient HCT 116 colon cancer cells**  
Coker-Gurkan A., Arisan E. D., Obakan P., Guvenir E., Unsal N. P.  
EXPERIMENTAL CELL RESEARCH, vol.328, no.1, pp.87-98, 2014 (SCI-Expanded)
- XXXVI. **Cathepsin K analysis in a pycnodysostosis cohort: demographic, genotypic and phenotypic features**  
Arman A., Bereket A., Çoker A., Şimşek Kiper P. Ö., Güran T., Özkan B., Atay Z., Akcay T., Haliloglu B., Boduroglu K., et al.  
ORPHANET JOURNAL OF RARE DISEASES, vol.9, 2014 (SCI-Expanded)
- XXXVII. **Purvalanol A is a strong apoptotic inducer via activating polyamine catabolic pathway in MCF-7 estrogen receptor positive breast cancer cells**  
Obakan P., Arisan E. D., Ozfiliz P., Coker-Gurkan A., Palavan-Unsal N.  
MOLECULAR BIOLOGY REPORTS, vol.41, no.1, pp.145-154, 2014 (SCI-Expanded)
- XXXVIII. **CDK Inhibitors Induce Mitochondria-mediated Apoptosis Through the Activation of Polyamine Catabolic Pathway in LNCaP, DU145 and PC3 Prostate Cancer Cells**  
Arisan E. D., Obakan P., Coker-Gurkan A., Calcabrini A., Agostinelli E., Unsal N. P.  
CURRENT PHARMACEUTICAL DESIGN, vol.20, no.2, pp.180-188, 2014 (SCI-Expanded)
- XXXIX. **Bag-1L is a Stress-withstand Molecule Prevents the Downregulation of Mcl-1 and c-Raf Under Control of Heat Shock Proteins in Cisplatin Treated HeLa Cervix Cancer Cells**  
Ozfiliz P., Arisan E. D., Coker-Gurkan A., Obakan P., Eralp T. N., Dinler-Doganay G., Palavan-Unsal N.  
ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, vol.15, no.11, pp.4475-4482, 2014 (SCI-Expanded)
- XL. **Downregulation of c-Myc mediated ODC expression after purvalanol treatment is under control of upstream MAPK signaling axis in MCF-7 breast cancer cells**  
Obakan P., Alkurt G., Kose B., Gurkan A., Arisan E. D., Coskun D., Unsal Z. N.  
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, pp.867-879, 2014 (SCI-Expanded)
- XLI. **Assessment of Interleukin-1 Gene Cluster Polymorphisms in Lone Atrial Fibrillation: New Insight into the Role of Inflammation in Atrial Fibrillation**  
Gungor B., Ekmekci A., ARMAN A., Ozcan K. S., Ucer E., Alper A. T., Calik N., Yilmaz H., Tezel T., ÇOKER A., et al.  
PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY, vol.36, no.10, pp.1220-1227, 2013 (SCI-Expanded)
- XLII. **Multiple sclerosis: association with the interleukin-1 gene family polymorphisms in the Turkish population**  
Isik N., ARMAN A., Canturk I. A., Gurkan A., Candan F., Aktan S., Erzaim N., Duz O. A., Aydin T., Turkes M., et al.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.123, no.10, pp.711-718, 2013 (SCI-Expanded)
- XLIII. **Lack of association between IL-6 gene polymorphisms and rheumatoid arthritis in Turkish**

## population

Arman A., Coker A., Sarioz O., Inanc N., Direskeneli H.

RHEUMATOLOGY INTERNATIONAL, vol.32, no.7, pp.2199-2201, 2012 (SCI-Expanded)

- XLIV. **Inhibition of ornithine decarboxylase alters the roscovitine-induced mitochondrial-mediated apoptosis in MCF-7 breast cancer cells**  
Arisan E. D., Obakan P., Coker A., Palavan-Unsal N.  
MOLECULAR MEDICINE REPORTS, vol.5, no.5, pp.1323-1329, 2012 (SCI-Expanded)
- XLV. **Silencing of the polyamine catabolic key enzyme SSAT prevents CDK inhibitor-induced apoptosis in Caco-2 colon cancer cells**  
Coker A., Arisan E. D., Palavan-Unsal N.  
MOLECULAR MEDICINE REPORTS, vol.5, no.4, pp.1037-1042, 2012 (SCI-Expanded)
- XLVI. **Polyamine depletion enhances the roscovitine-induced apoptosis through the activation of mitochondria in HCT116 colon carcinoma cells**  
Arisan E. D., Coker A., Palavan-Unsal N.  
AMINO ACIDS, vol.42, no.2-3, pp.655-665, 2012 (SCI-Expanded)
- XLVII. **Lack of association between IL-1 and IL-6 gene polymorphisms and myocardial infarction in Turkish population**  
Coker A., Arman A., Soylu O., Tezel T., Yildirim A.  
INTERNATIONAL JOURNAL OF IMMUNOGENETICS, vol.38, no.3, pp.201-208, 2011 (SCI-Expanded)
- XLVIII. **Raman micro-spectroscopic investigation of the interaction of cultured HCT116 colon cancer cells with alpha-difluoromethylornithine (DFMO), an irreversible inhibitor of ornithine decarboxylase**  
Akyuz S., ÖZEL A., BALCI K., Akyuz T., Coker A., Arisan E. D., Palavan-Unsal N., Ozalpan A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.993, no.1-3, pp.319-323, 2011 (SCI-Expanded)
- XLIX. **Raman micro-spectroscopic analysis of cultured HCT116 colon cancer cells in the presence of roscovitine**  
Akyuz S., ÖZEL A., BALCI K., Akyuz T., Coker A., Arisan E. D., Palavan-Unsal N., Ozalpan A.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.78, no.5, pp.1540-1547, 2011 (SCI-Expanded)
- L. **Novel Growth Hormone Receptor Gene Mutation in a Patient with Laron Syndrome**  
ARMAN A., YÜKSEL B., ÇOKER A., Sarioz O., Temiz F., TOPALOĞLU A. K.  
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.23, no.4, pp.407-414, 2010 (SCI-Expanded)
- LI. **Characterization of GH-1 Mutations in Children with Isolated Growth Hormone Deficiency in the Turkish Population**  
Coker A., Cetinkaya E., Dundar B., Siklar Z., Buyukgebiz A., Arman A.  
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.22, no.10, pp.937-946, 2009 (SCI-Expanded)
- LII. **Interleukin-1 Receptor Antagonist Gene VNTR Polymorphism is Associated with Coronary Artery Disease**  
Arman A., Soylu O., Yildirim A., Furman A., Ercelen N., Aydogan H., Coker A., Tezel T.  
ARQUIVOS BRASILEIROS DE CARDIOLOGIA, vol.91, no.5, pp.268-273, 2008 (SCI-Expanded)
- LIII. **Interleukin-1B (-511) gene polymorphism is associated with acute coronary syndrome in the Turkish population**  
Soylu O., Yildirim A., Coker A., Tezel T., List E. O., ARMAN A.  
EUROPEAN CYTOKINE NETWORK, vol.19, no.1, pp.42-48, 2008 (SCI-Expanded)
- LIV. **Novel splice site mutation in the growth hormone receptor gene in Turkish patients with Laron-type dwarfism**  
ARMAN A., Ozon A., Isguven P. S., Coker A., PEKER İ., Yordam N.  
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.21, no.1, pp.47-58, 2008 (SCI-Expanded)
- LV. **Interleukin-1 receptor antagonist (IL-1RN) and interleukin-1B gene polymorphisms in Turkish patients with rheumatoid arthritis**  
Arman A., Yilmaz B., Coker A., Inanc N., Direskeneli H.  
CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.24, no.6, pp.643-648, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Lack of evidence for the association of ornithine decarboxylase (+ 316 G> A), spermidine/spermine acetyl transferase (-1415 T> C) gene polymorphisms with calcium oxalate stone disease**  
Coker-Gurkan A., Arisan S., Arisan E. D., Unsal N. P.  
BIOMEDICAL REPORTS, vol.2, no.1, pp.69-74, 2014 (ESCI)

## Books & Book Chapters

- I. **Applications of aptamer in cancer therapy**  
Çoker Gürkan A.  
in: Cancer treatment, Amal Hamza and Neveen Salem, Editor, In Tech, London, pp.29-52, 2018
- II. **Functional foods enhancing immunity**  
Çoker Gürkan A.  
in: Functional Foods and Cancer: Cancer Biology and Dietary Factors, Danik M. Martinosyan, Editor, CreateSpace Independent Publishing Platform, London, pp.111-146, 2017
- III. **Breast Cancer and Flavonoids as Treatment Strategy**  
Çoker Gürkan A.  
in: Breast Cancer - From Biology to Medicine, Phuc Van Pham, Editor, In Tech, London, pp.305-326, 2017
- IV. **Aging-Related Diseases and Autophagy**  
Çoker Gürkan A.  
in: Autophagy in Current Trends in Cellular Physiology and Pathology, Nikolai V. Gorbunov and Marion Schneider, Editor, InTech, London, pp.15-48, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **The identification of protein expression profile of PC3 prostate cancer and PNT1A prostate epithelial cells following anti-obesity drug Orlistat treatment regardless of AMPK signaling**  
ÖZFİLİZ KILBAŞ P., NEBİLER E., ARISAN E. D., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.  
6th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018, pp.120

## Supported Projects

Çoker Gürkan A., TÜBİTAK Project, SELEX Yöntemi ile Büyüme Hormonu Salgılatıcı Hormon (Ghrh) Sinyalini Engelleyen Aptamerlerin Sentezi, Karakterize Edilmesi, Anti-Proliferatif, Anti-Karsinogenik Etkisinin Prostat, Meme, Kolon ve Servikal Kanseri Hücrelerinde İrdelenmesi, 2018 - 2021

Çoker Gürkan A., TÜBİTAK Project, Büyüme Hormonu Genindeki A13S ve F166 Delesyon Mutasyonlarının Hücre Büyüme Ve Farklılaşması Üzerine Etkisinde Büyüme Hormonu Ve Ornitin Dekarbosilaz Gen Anlatımları İle İlişkili Mirna Profillerinin Rolünün Hek293 Hücre Hattında Gösterilmesi, 2017 - 2018

Çoker Gürkan A., TÜBİTAK Project, Curcumin in terapötik etkinliğinin otokrin büyüme hormonu sinyal yolağı aracılığı ile farklı meme kanseri hücrelerinde poliamin metabolizması irdelenerek incelenmesi, 2014 - 2017

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