

# Lect. PhD ALİ ŞAHİN

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## Education Information

Doctorate, Marmara University, Institute of Health Sciences, Biyokimya (Dr) (Tip), Turkey 2011 - 2017

Postgraduate, Marmara University, Institute of Health Sciences, Biyokimya (YI) (Tezli) (Eczacılık), Turkey 2007 - 2010

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Turkey 2006 - 2007

Undergraduate, Canakkale Onsekiz Mart University, Fen Ve Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 2002 - 2006

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Health&Medicine, 42nd FEBS CONGRESS "From Molecules to Cells and Back", Federation of European Biochemical Societies (FEBS), 2017

Health&Medicine, Society for Free Radical Research – Europe (SFRR-E) 2014 Meeting "Free Radicals: Insight in signaling and adaptive homeostasis", Society for Free Radical Research – Europe (SFRR-E) , 2014

Health&Medicine, COST CM1001 Workshop Mass Spectrometry Analysis of Protein Oxidation, COST CM1001, Aston University, Birmingham, 2013

Health&Medicine, Hücre Ölümü Araştırma Derneği I.Hücre Ölümü Araştırma Teknikleri Teorik Kursu, CELL DEATH RESEARCH SOCIETY, 2011

Health&Medicine, 1.Hücre Kültürü ve Temel Moleküller Teknikler Kursu , Marmara Üniversitesi, Genetik ve Metabolik Hastalıklar Araştırma ve Uygulama Merkezi (GEMHAM), 2011

Health&Medicine, SPEKROTEK, AB SCIEX 4000 QTrap LC-MS/MS Sistemi, Bileşenleri ve Temel Kullanımı, SPEKROTEK, 2011

## Dissertations

Doctorate, NON-ALKOLİK YAĞLI KARACİĞER HASTALIĞI MODELİNDE OKSİSİTEROLLERİN LİPİD METABOLİZMASI VE ENDOPLAZMİK RETİKULUM YOLAĞINA ETKİSİ, Marmara Üniversitesi, Institute of Health Sciences, Biyokimya (Dr) (Tip), 2017

Postgraduate, Hiperlipidemi yapılmış farelerin kanlarında oksidlenmiş düşük dansiteli lipoprotein ve lipid

## Research Areas

Health Sciences, Natural Sciences

## Academic Titles / Tasks

Lecturer PhD, Marmara University, School of Medicine, Basic Medical Sciences, 2019 - Continues

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

- I. **Three-Dimensional-Printed GelMA-KerMA Composite Patches as an Innovative Platform for Potential Tissue Engineering of Tympanic Membrane Perforations.**  
Bedir T., Baykara D., Yildirim R., Calikoglu Koyuncu A. C., Sahin A., Kaya E., Tinaz G. B., Insel M. A., Topuzogulları M., Gunduz O., et al.  
Nanomaterials (Basel, Switzerland), vol.14, no.7, 2024 (SCI-Expanded)
- II. **Single-Walled (Magnetic) Carbon Nanotubes in a Pectin Matrix in the Design of an Allantoin Delivery System**  
Güner Yilmaz Ö. Z., Yilmaz A., Bozoglu S., Yavuz N., BATIREL S., ŞAHİN A., Güner F. S.  
ACS OMEGA, vol.9, no.9, pp.10069-10079, 2024 (SCI-Expanded)
- III. **Fabrication and In Vitro Characterization of Polycaprolactone/Graphene Oxide/Collagen Nanofibers for Myocardial Repair**  
Karapehlivan S. S., Danisik M. N., Akdag Z., Yildiz E. N., Okoro O. V., Nie L., Shavandi A., ULAĞ S., ŞAHİN A., DUMLUDAĞ F., et al.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.309, no.1, 2024 (SCI-Expanded)
- IV. **Development of gallic acid-loaded ethylcellulose fibers as a potential wound dressing material.**  
Croitoru A., Ayran M., Altan E., Karacelebi Y., Ulag S., Sahin A., Guncu M. M., Aksu B., Gunduz O., Tihăuan B., et al.  
International journal of biological macromolecules, vol.253, no.Pt 5, pp.126996, 2023 (SCI-Expanded)
- V. **Co-axial electrospinning of liposomal propolis loaded gelatin-zein fibers as a potential wound healing material**  
Karakas C. Y., ÜSTÜNDAĞ C. B., ŞAHİN A., KARADAĞ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.46, 2023 (SCI-Expanded)
- VI. **Fabrication of Gentamicin Sulfate-Loaded 3D-Printed Polyvinyl Alcohol/Sodium Alginate/Gelatin-Methacryloyl Hybrid Scaffolds for Skin Tissue Replacement**  
Izgordu M. S., Ayran M., ULAĞ S., Yildirim R., Bulut B., ŞAHİN A., Guncu M. M., AKSU M. B., GÜNDÜZ O.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.308, no.12, 2023 (SCI-Expanded)
- VII. **Biocompatible polyvinyl alcohol nanofibers loaded with amoxicillin and salicylic acid to prevent wound infections.**  
Aydin A., Ulag S., Sahin A., Aksu B., Gunduz O., Ustundag C. B., Marinas I. C., Georgescu M., Chifiriuc M. C.  
Biomedical materials (Bristol, England), vol.18, no.5, 2023 (SCI-Expanded)
- VIII. **Investigation of the antitumor effect on breast cancer cells of the electrospun amygdalin-loaded poly(L-lactic acid)/poly(ethylene glycol) nanofibers**  
Seyhan S., Alkaya D., Cesur S., Sahin A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.239, 2023 (SCI-Expanded)
- IX. **Controlled Delivery of Amoxicillin and Rifampicin by Three-Dimensional Polyvinyl alcohol/Bismuth Ferrite Scaffolds**

- Ilgar S., ULAĞ S., ŞAHİN A., GÜNDÜZ O., Ustundag C. B.  
CHEMISTRYSELECT, vol.8, no.18, 2023 (SCI-Expanded)
- X. **Electrically Triggered Quercetin Release from Polycaprolactone/Bismuth Ferrite Microfibrous Scaffold for Skeletal Muscle Tissue**  
Ayran M., Karabulut H., Deniz K. I., Akcanli G. C., Ulag S., Croitoru A., Tihăuan B., Sahin A., Ficai D., Gunduz O., et al.  
PHARMACEUTICS, vol.15, no.3, 2023 (SCI-Expanded)
- XI. **Relationship between Blood Neutrophil Amount and LDL and Estrogen**  
Sevim M., Altinoluk T., KAHRAMAN M. M., Akgun T., ŞAHİN A., Ozekici H. N., Fil A., Yildiz B., Yuceturk B., Lale E. N., et al.  
ACTA PHYSIOLOGICA, vol.237, pp.40, 2023 (SCI-Expanded)
- XII. **Weekend warrior exercise model for protection from chronic mild stress-induced depression and ongoing cognitive impairment.**  
Öztürk Ç. Ç., Ataoğlu S. N., Arvas A., Tokol H., Yaprak H., Gürel S., Levent H. N., Akakin D., Şahin A., Çakır B., et al.  
Acta neurobiologiae experimentalis, vol.83, no.1, pp.10-24, 2023 (SCI-Expanded)
- XIII. **Production of 3D Printed Bi-Layer and Tri-Layer Sandwich Scaffolds with Polycaprolactone and Poly(vinyl alcohol)-Metformin towards Diabetic Wound Healing**  
Harmancı S., Dutta A., Cesur S., Sahin A., Gunduz O., Kalaskar D. M., Ustundag C. B.  
POLYMERS, vol.14, no.23, 2022 (SCI-Expanded)
- XIV. **Gentamicin-loaded polyvinyl alcohol/whey protein isolate/hydroxyapatite 3D composite scaffolds with drug delivery capability for bone tissue engineering applications**  
Tut T. A., Cesur S., Ilhan E., ŞAHİN A., Yildirim O. S., GÜNDÜZ O.  
EUROPEAN POLYMER JOURNAL, vol.179, 2022 (SCI-Expanded)
- XV. **Alterations in Neutrophil Counts Change LDL Levels**  
Sevim M., Altinoluk T., Kahraman M. M., Akgun T., Sahin A., Ozekici H. N., Fil A., Yildiz B., Yuceturk B., Lale E. N., et al.  
ACTA PHYSIOLOGICA, vol.236, pp.981, 2022 (SCI-Expanded)
- XVI. **3D-Printed PCL Scaffolds Combined with Juglone for Skin Tissue Engineering**  
Ayran M., Dirican A., Saatcioglu E., Ulag S., Sahin A., Aksu B., Croitoru A., Ficai D., Gunduz O., Ficai A.  
Bioengineering, vol.9, no.9, 2022 (SCI-Expanded)
- XVII. **Production and Characterization of PLA/HA/GO Nanocomposite Scaffold**  
Oktay B., Ahlatçioğlu Özerol E., Şahin A., Gunduz O., Ustundag C. B.  
ChemistrySelect, vol.7, no.30, 2022 (SCI-Expanded)
- XVIII. **Fabrication of Electrospun Juglans regia (Juglone) Loaded Poly(lactic acid) Scaffolds as a Potential Wound Dressing Material**  
ALTAN E., Karacelebi Y., Saatcioglu E., ULAĞ S., ŞAHİN A., AKSU M. B., Croitoru A., Codrea C. I., Ficai D., GÜNDÜZ O., et al.  
POLYMERS, vol.14, no.10, 2022 (SCI-Expanded)
- XIX. **Synthesis and cytotoxicity analysis of porous beta-TCP/starch bioceramics**  
Turan Y., Kalkandelen C., PALACI Y., ŞAHİN A., Gökc   H., GÜNDÜZ O., Ben-Nissan B.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.2, pp.487-494, 2022 (SCI-Expanded)
- XX. **Dual Spinneret Electrospun Polyurethane/PVA-Gelatin Nanofibrous Scaffolds Containing Cinnamon Essential Oil and Nanoceria for Chronic Diabetic Wound Healing: Preparation, Physicochemical Characterization and In-Vitro Evaluation**  
Hussein M. A. M., Gunduz O., Sahin A., Grinholt M., El-Sherbiny I. M., Megahed M.  
Molecules, vol.27, no.7, 2022 (SCI-Expanded)
- XXI. **The effect of polycaprolactone/graphene oxide electrospun scaffolds on the neurogenic behavior of adipose stem cells**  
Pinar E., Sahin A., Unal S., Gunduz O., Harman F., Kaptanoglu E.  
EUROPEAN POLYMER JOURNAL, vol.165, 2022 (SCI-Expanded)
- XXII. **Combination of Second-Generation Proteasome Inhibitor Carfilzomib with Bortezomib in Four Different Breast Cancer Cell Lines**  
Altundag E. M., Yilmaz A. M., Sahin A., Yilmaz B.

- ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.22, no.16, pp.2909-2918, 2022 (SCI-Expanded)
- XXIII. **Investigation of 3D-Printed Polycaprolactone-/Polyvinylpyrrolidone-Based Constructs**  
Izgordu M. S., Uzgur E. I., Ulag S., Şahin A., Yilmaz B., Kilic B., Ekren N., Oktar F. N., Gündüz O.  
CARTILAGE, vol.13, no.2\_SUPPL, 2021 (SCI-Expanded)
- XXIV. **Levodopa-Loaded 3D-Printed Poly (Lactic) Acid/Chitosan Neural Tissue Scaffold as a Promising Drug Delivery System for the Treatment of Parkinson's Disease**  
Saylam E., Akkaya Y., Ilhan E., Cesur S., Guler E., ŞAHİN A., ÇAM M. E., EKREN N., OKTAR F. N., GÜNDÜZ O., et al.  
APPLIED SCIENCES-BASEL, vol.11, no.22, 2021 (SCI-Expanded)
- XXV. **Dual-drug delivery of Ag-chitosan nanoparticles and phenytoin via core-shell PVA/PCL electrospun nanofibers**  
Mohamady Hussein M. A., Guler E., RAYAMAN E., ÇAM M. E., ŞAHİN A., Grinholt M., Sezgin Mansuroglu D., Sahin Y. M., GÜNDÜZ O., Muhammed M., et al.  
CARBOHYDRATE POLYMERS, vol.270, 2021 (SCI-Expanded)
- XXVI. **Electrically Triggered Drug Delivery from Novel Electrospun Poly(Lactic Acid)/Graphene Oxide/Quercetin Fibrous Scaffolds for Wound Dressing Applications**  
Croitoru A., Karaçelebi Y., Saatcioglu E., Altan E., Ulag S., Aydoğan H. K., Sahin A., Motelica L., Oprea O., Tihauan B., et al.  
PHARMACEUTICS, vol.13, no.7, 2021 (SCI-Expanded)
- XXVII. **Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis**  
Ulag S., İlhan E., Demirhan R., Sahin A., Yilmaz B., Aksu B., Sengor M., Ficai D., Titu A. M., Ficai A., et al.  
MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)
- XXVIII. **alpha-Tocopherol supplementation reduces inflammation and apoptosis in high cholesterol mediated nonalcoholic steatohepatitis.**  
Demirel-Yalciner T., Sozen E., Ozaltin E., Sahin A., Ozer N.  
BioFactors (Oxford, England), vol.47, pp.403-413, 2021 (SCI-Expanded)
- XXIX. **Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration**  
Saatcioglu E., Ulag S., Şahin A., Yilmaz B., Ekren N., İnan A. T., Palaci Y., Üstündağ C. B., Gündüz O.  
EUROPEAN POLYMER JOURNAL, vol.148, 2021 (SCI-Expanded)
- XXX. **Effect of electric stimulus on human adipose-derived mesenchymal stem cells cultured in 3D-printed scaffolds**  
Bedir T., Ulag S., Aydogan K., Şahin A., Yilmaz B., Güvenç Y., Bozlar M., Üstündağ C. B., Gündüz O.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.3, pp.1114-1125, 2021 (SCI-Expanded)
- XXXI. **Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology**  
İlhan E., Ulag S., Sahin A., Yilmaz B., Ekren N., Kılıç O., Şengör M., Kalaskar D. M., Oktar F. N., Gündüz O.  
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.114, 2021 (SCI-Expanded)
- XXXII. **Chitosan/Gold Hybrid Nanoparticles Enriched Electrospun PVA Nanofibrous Mats for the Topical Delivery of Punica granatum L. Extract: Synthesis, Characterization, Biocompatibility and Antibacterial Properties**  
Mohamady Hussein M. A., Ulag S., Abo Dena A. S., Sahin A., Grinholt M., Gunduz O., El-Sherbiny I., Megahed M.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.16, pp.5133-5151, 2021 (SCI-Expanded)
- XXXIII. **3D Printed Polycaprolactone/Gelatin/Bacterial Cellulose/Hydroxyapatite Composite Scaffold for Bone Tissue Engineering**  
Cakmak A., Unal S., Sahin A., Oktar F. N., Sengor M., Ekren N., Gunduz O., Kalaskar D.  
POLYMERS, vol.12, no.9, 2020 (SCI-Expanded)
- XXXIV. **3D printed artificial cornea for corneal stromal transplantation**  
Ulag S., İlhan E., Şahin A., Karademir Yilmaz B., Kalaskar D. M., Ekren N., Kılıç O., Nuzhet Oktar F. N., Gündüz O.  
EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- XXXV. **Evidence that osteogenic and neurogenic differentiation capability of epidural adipose tissue-derived stem cells was more pronounced than in subcutaneous cells**  
Solmaz B., Şahin A., Keleştemur T., Kılıç E., Kaptanoğlu E.

- TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, pp.1825-1837, 2020 (SCI-Expanded)
- XXXVI. **Antitumor and antimetastatic effects of walnut oil in esophageal adenocarcinoma cells**  
 Batrel S., Yilmaz A. M., Şahin A., Perakakis N., Ozer N., Mantzoros C. S.  
*Clinical Nutrition*, vol.37, pp.2166-2171, 2018 (SCI-Expanded)
- XXXVII. **Proteasome Inhibitors in Cancer Therapy and their Relation to Redox Regulation**  
 Sari G., Okat Z., Şahin A., Karademir B.  
*CURRENT PHARMACEUTICAL DESIGN*, vol.24, pp.5252-5267, 2018 (SCI-Expanded)
- XXXVIII. **High Cholesterol Diet-Induced Changes in Oxysterol and Scavenger Receptor Levels in Heart Tissue**  
 Sozen E., Yazgan B., Şahin A., Ince U., Ozer N.  
*OXIDATIVE MEDICINE AND CELLULAR LONGEVITY*, vol.2018, 2018 (SCI-Expanded)
- XXXIX. **Endoplasmic reticulum stress related molecular mechanisms in nonalcoholic steatohepatitis**  
 Bozaykut P., Şahin A., Karademir Yilmaz B., Ozer N.  
*MECHANISMS OF AGEING AND DEVELOPMENT*, vol.157, pp.17-29, 2016 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Electrospun composite nanofibers for treating infectious esophagitis**  
 Koyun M., Sulutas R. B., Turan Y., Karabulut H., Moradi A., Ozarici H. B., ULAĞ S., ŞAHİN A., Guncu M. M., GÜNDÜZ O.  
*EMERGENT MATERIALS*, vol.6, pp.1549-1561, 2023 (ESCI)
- II. **A novel approach to treat the Thiel-Behnke corneal dystrophy using 3D printed honeycomb-shaped polymethylmethacrylate (PMMA)/Vancomycin (VAN) scaffolds**  
 Ulag S., ŞAHİN A., Guncu M. M., AKSU M. B., EKREN N., ŞENGÖR M., Kalaskar D. M., GÜNDÜZ O.  
*Bioprinting*, vol.24, 2021 (Scopus)
- III. **3D printing of Osage orange extract/Chitosan scaffolds for soft tissue engineering**  
 SAATÇİOĞLU E., KOYUN M., ULAĞ S., ŞAHİN A., YILMAZ B., AKSU M. B., GÜNDÜZ O.  
*Food Hydrocolloids for Health*, vol.1, 2021 (ESCI)

### Books & Book Chapters

- I. **In vitro evaluation of biomaterials for neural tissue engineering**  
 Şahin A., Çıklı B., Yılmaz B.  
 in: Biomaterials for Neural Tissue Engineering, Oguzhan Gunduz,Cem Bulent Ustundag,Mustafa Sengor, Editor,  
 Elsevier Science, Oxford/Amsterdam , Oxford, pp.367-415, 2023
- II. **Spektrofotometre**  
 Şahin A.  
 in: GÜNCEL LABORATUVAR TIBBI, Dal Tuba, Yanılmaz Özgür, Cevahir Nural, Batirol Saime, Editor, İstanbul Tip  
 Kitabevleri, İstanbul, pp.259-264, 2021

### Refereed Congress / Symposium Publications in Proceedings

- I. **Kan Nötrofil Sayısındaki Değişiklikler LDL ve Östrojen Düzeylerini Etkiler**  
 SEVİM M., ALTINOLUK T., KAHRAMAN M. M., Akgün T., ŞAHİN A., Özükici H. N., Fil A., Yıldız B., Yüçeturk B., Lale E. N., et al.  
 Türk Fizyolojik Bilimler Derneği 47. Ulusal Fizyoloji Kongresi, Antalya, Turkey, 01 November 2022
- II. **Alterations in Neutrophil Counts Change LDL Levels**  
 SEVİM M., ALTINOLUK T., KAHRAMAN M. M., Akgün T., ŞAHİN A., Özükici H. N., Fil A., Yıldız B., Yüçeturk B., Lale E. N., et al.  
*Europhysiology*, Kopenhag, Denmark, 16 September 2022

- III. **Investigation Of Cell Behavior On The 3D-Printed Neural Scaffolds By Electrical Stimulation**  
BEDİR T., ULAĞ S., AYDOĞAN K., ŞAHİN A., YILMAZ B., GÜVENÇ Y., BOZLAR M., GÜNDÜZ O., ÜSTÜNDAĞ C. B.  
5th International Congress On 3d Printing (Additive Manufacturing) Technologies And Digital Industry (3D-PTC2021), 03 June 2021
- IV. **SERUM YAĞ ASİT PROFİLİNİN KORONER ARTER HASTALIĞI GELİŞİMİNDEKİ ROLÜ**  
CETINKAYA B., ŞAHİN A., Guçtekin T., ÖZBEN SADIÇ B., TİGEN M. K., BATIREL S.  
4. Aterometabolik ve renal hastalıklar Sempozyumu, İstanbul, Turkey, 5 - 07 March 2021
- V. **Combination of Proteasome Inhibitor Bortezomib with Temozolomide and Radiotherapy in Co-Culture and 3D Culture Models of Glioblastoma**  
ÜNAL S., ARSLAN ESERYEL S., GÜVEN Ü., ŞAHİN A., YILMAZ GÖLER A. M., ATASOY B. M., GÜNDÜZ O., YILMAZ B.  
8th Multidisciplinary Cancer Research Congress, Turkey, 16 - 17 January 2021
- VI. **Anti-Tumor Effect Of Bortezomib And Carfilzomib On Glioblastoma Cells And Stress Response And Skeletal Damage In Healthy Brain Cells**  
ARSLAN ESERYEL S., GÜVEN Ü., ÜNAL S., ŞAHİN A., YILMAZ GÖLER A. M., ATASOY B. M., GÜNDÜZ O., YILMAZ B.  
8th Multidisciplinary Cancer Research Congress, Turkey, 16 - 17 January 2021
- VII. **Production of 3D-Printed Tympanic Membrane Scaffolds as a Tissue Engineering Application**  
Ilhan E., Ulag S., Şahin A., Ekren N., Kılıç O., Oktar F. N., Gündüz O.  
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain, 6 - 08 May 2020, vol.12108 LNBI, pp.175-184
- VIII. **Oxysterol mediated lipid metabolism alterations and apoptotic pathway in NAFLD**  
Demirel T., Sozen E., ŞAHİN A., Ozer N.  
Annual Meeting of the Society-for-Free-Radical-Research- Europe (SFRRE) on Redox Homeostasis - From Signaling to Damage, Ferrara, Italy, 19 - 21 June 2019, vol.139
- IX. **Use of Mass Spectrometry in Determining Fatty Acid and Oxysterol Alterations in Heart Tissue Effect of High Cholesterol Diet**  
SÖZEN A. E., YAZGAN B., ŞAHİN A., TOK O. E., ERCAN F., KARTAL ÖZER N.  
Advances in the Study of Lipid and Protein Oxidation: From Methods to Targets, 13 - 15 March 2019
- X. **Omurilik Yaralanmasında Travma Sonrası Erken Dönmede Uygulanan Düşük Doz İyonize Radyasyon ve Eritropoetinin Sekonder Hasarın Önlenmesinde Etkisinin İncelenmesi**  
Kaptanoğlu E., Güvenç Y., Bozkurt S., Atasoy B. M., Şahin A., Harman F.  
Türk Nöroşirurji Derneği Spinal Cerrahide Komplikasyonlar Sempozyumu, Muğla, Turkey, 26 - 29 September 2018
- XI. **Post Traumatic Use of Erythropoietin and Low Dose Ionising Radiation to Prevent Secondary Damage in Spinal Cord Trauma**  
KAPTANOĞLU E., ATASOY B. M., BOZKURT S., GÜVENÇ Y., PINAR E., ŞAHİN A., SÜRÜCÜ H. S.  
10th International Symposium of Clinical and Applied Anatomy, Russia, 12 - 16 September 2018
- XII. **High cholesterol mediated lipid metabolism and inflammatory response in heart tissue: Role of Vitamin E**  
SÖZEN A. E., ŞAHİN A., TOK O. E., ERCAN F., KARTAL ÖZER N.  
Keystone Symposia: The Resolution of Inflammation in Health and Disease., Dublin, Ireland, 24 - 28 March 2018
- XIII. **ER stress related inflammation and apoptotic cell death in nonalcoholic fatty liver disease**  
DEMİREL T., SÖZEN A. E., ŞAHİN A., KARTAL ÖZER N.  
Keystone Symposia: The Resolution of Inflammation in Health and Disease., 24 - 28 March 2018
- XIV. **Walnut Oil Has Potential Antitumor and Antimetastatic Effects on Esophageal Cancer Cells in Vitro**  
BATIREL S., YILMAZ A. M., ŞAHİN A., PERAKAKIS N., KARTAL ÖZER N., MANTZOROS C.  
The 35th Annual Scientific Meeting of The Obesity Society 2017, Washington, United States Of America, 30 October - 02 November 2017
- XV. **The effect of high cholesterol diet on scavenger receptor expression and fatty acid profile in cardiac tissue**  
YAZGAN B., SÖZEN A. E., ŞAHİN A., KARTAL ÖZER N.  
42. FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017
- XVI. **High cholesterol diet activates endoplasmic reticulum stress signaling pathways in nonalcoholic fatty**

- liver disease: role of fatty acids**  
ŞAHİN A., DEMİREL T., SÖZEN A. E., KARADEMİR B., KARTAL ÖZER N.  
42nd FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017
- XVII. **High cholesterol diet activates endoplasmic reticulum stress signaling pathways in non alcoholic fatty liver disease: role of fatty acids**  
Sahin A., Demirel T., Sozen E., Karademir B., Ozer N.  
42nd Congress of the Federation-of-European-Biochemical-Societies (FEBS) on From Molecules to Cells and Back, Jerusalem, Israel, 10 - 14 September 2017, vol.284, pp.357-358
- XVIII. **The effect of high cholesterol diet on scavenger receptor expression and fatty acid profile in cardiac tissue**  
YAZGAN B., SÖZEN A. E., ŞAHİN A., KARTAL ÖZER N.  
42nd FEBS Congress From Molecules to Cells and Back, 10 - 14 September 2017, vol.284, pp.102-403
- XIX. **ER stress related lipid accumulation and apoptotic cell death in nonalcoholic fatty liver disease**  
Demirel T., Sozen E., ŞAHİN A., KARADEMİR B., Ozer N.  
OCC World Congress / Annual SFRR-E Conference, Berlin, Germany, 21 - 23 June 2017, vol.108
- XX. **Endoplasmic Reticulum Stress-Related Signaling and Lipid Metabolism in Non-Alcoholic Fatty Liver Disease**  
ŞAHİN A., SÖZEN A. E., DEMİREL T., KARADEMİR B., KARTAL ÖZER N.  
Redox Biology in Disease and Translational Medicine, Barga, Italy, 19 - 24 March 2017
- XXI. **proteasome inhibition in cancer treatment therapeutic potentials and side effects**  
KARADEMİR B., SARI G., YILMAZ A. M., mutlu altundağ e., ŞAHİN A., Msuruni S., wicher G., Jung T., Mia J., BERGQUIST J., et al.  
International conference on cancer research and targeted therapy, 21 - 23 October 2016
- XXII. **Redox Regulated Endoplasmic Reticulum Stress in Metabolic Diseases**  
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Redox Regulation of Metabolic Process SFRR-Europe/FEBS Advanced School, 19 - 26 September 2016
- XXIII. **Role of ER Stress on Lipid Accumulation and Cell Death in Hypercholesterolemia Induced Nonalcoholic Fatty Liver Disease**  
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- XXIV. **Hypercholesterolemia Mediated Cell Death Mechanisms Following Oxidative and ER Stress Activation on Cardiac Tissue Role of Vit E**  
SÖZEN A. E., YAZGAN B., ŞAHİN A., TOK O. E., ERCAN F., KARADEMİR B., KARTAL ÖZER N.  
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- XXV. **Chemotherapy Resistance: The role of proteasomal degradation and heat shock response**  
KARADEMİR B., Sozen E., Bozaykut P., Altundag E. M., Yilmaz A. M., ŞAHİN A., Corek C., Sari G., Ozer N.  
SFRR-E/SNFS Conference, Stuttgart, Germany, 2 - 04 September 2015, vol.86
- XXVI. **Combined Treatment with Bortezomib and Thymoquinone Synergistic Effect on Neuroblastoma Cells**  
ŞAHİN A., Çörek C., Mutlu Altundağ E., YILMAZ A. M., KARTAL ÖZER N., KARADEMİR B.  
Biochemical basis of healthy ageing SFRR-Europe/IUBMB Advanced School, 22 September - 28 October 2014
- XXVII. **THE IMPORTANCE OF BAX PROTEIN ON THE APOPTOTIC EFFECT OF RESVERATROL IN COLON CARCINOMA CELL LINE**  
Çörek C., Mutlu Altundağ E., ŞAHİN A., KARADEMİR B., KOÇTÜRK A. S., Taga Y., KARTAL ÖZER N.  
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- XXVIII. **Metabolic Signatures in Resveratrol Treated Human HCT 116 Cell Line**  
ŞAHİN A., YILMAZ A. M., Çörek C., KOÇTÜRK A. S., KARTAL ÖZER N., Taga Y.  
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- XXIX. **LDL ve Apo B Konjugatı verilmiş hayvanların karaciğer dokusunda oksidan ve antioksidan durumun incelenmesi**  
Kılıç B., ŞAHİN A., OKTAY N. Ş., Özdemir Z., ALTURFAN E. I., AK K., Akdeste Z., EMEKLİ N.  
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- XXX. **LDL ve Apo B Konjugatı verilmiş hayvanların serum ox LDL değerlerinin incelenmesi**  
ŞAHİN A., Kılıç B., OKTAY N. Ş., Mansur B., ALTURFAN E. I., Akdeste Z., EMEKLİ N.  
24. Ulusal Kimya Kongresi, Turkey, 29 June - 02 July 2010
- XXXI. **LDL ve Apo B Konjugatı verilmiş hayvanlarda siyalik asid ve doku faktörü değerlerinin incelenmesi**  
OKTAY N. Ş., Kılıç B., ŞAHİN A., ERDEMİR A., ALTURFAN E. I., Ayan F., Zeynep A., EMEKLİ N.  
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## Supported Projects

Şahin A., Üstündağ C. B., Çalikoğlu Koyuncu A. C., Batıoğlu Karaaltın A., Oysu Ç., Enver N., Cinel Z. L., Gündüz O., TUBITAK Project, Biyomimetik- Biyofonksiyonel Trakeal Yamaların Tasarımı Ve Üretime (Tracpatch), 2023 - 2026  
Üstündağ C. B., Oysu Ç., Oktar F. N., Cinel Z. L., Gündüz O., Çam M. E., Şahin A., Alpdağtaş S., Topuzogulları M., Enver N., TUBITAK Project, Dijital Işık İşleme Yöntemi İle Mikroigne İçeren Kişiye Özel Kulak Zarı Yaması Üretime (Tympatch), 2021 - 2024

Şahin A., Yılmaz B., Ünal S., Gündüz O., TÜBİTAK International Multi-Cooperation Project, Nüks Glioblastoma Olgularının Tedavisinin Kişiselleştirilmesi İçin Glioblastoma Omics-Doku-Çip Sistemi (Gotics) İşbirliğinin Oluşturulması, 2021 - 2024

Şahin A., Yıldırım A., Sevim M., TUBITAK Project, Kanda Dolaşan Nötrofil Miktarının Kan Kolesterol Seviyeleri Üzerine Etkisi, 2021 - 2021

Şahin A., Yılmaz B., Atasoy B. M., Bozkurt S., Gündüz O., Bayraklı F., Nalbant Aldanmaz A., TUBITAK Project, Birinci Jenerasyon Proteazom İnhibitoru Bortezomib ile İkinci Jenerasyon Proteazom İnhibitoru Carfilzomib'xxin Glioblastoma Multiforme Üç Boyutlu Hücre Kültüründe Anti-Tümör ve Nöral Hücre Toksisitesi Cevabının İncelenmesi, 2018 - 2021

Şahin A., Kaptanoğlu E., Güvenç Y., Atasoy B. M., Bozkurt S., Pınar E., Project Supported by Higher Education Institutions, Omurilik Yaralanmasında Travma Sonrası Erken Dönemde Uygulanan Düşük Doz İyonize Radyasyon ve Eritropoietinin Sekonder Hasarın Önlenmesinde Etkisinin İncelenmesi, 2016 - 2018

Kartal Özer N., Yılmaz B., Sözen A. E., TUBITAK Project, Hipercolesterolemide Oluşturulan Non Alkolik Karaciğer Yağlanması Karaciğerdeki Moleküller Mekanizmanın İncelenmesi, 2015 - 2018

Şahin A., Kartal Özer N., Project Supported by Higher Education Institutions, Non alkolik yağlı karaciğer hastalığı modelinde oksisterollerin lipit metabolizması ve enoplazmik retikulum stres yolağına etkisi (Doktora Tez projesi), 2015 - 2017

Yılmaz B., Kartal Özer N., Koçtürk A. S., TUBITAK Project, Proteazom İnhibisyonu Ve Şaperon Aracılı Otofaj İnhibisyonu Kombinasyonunun Meme Kanseri Hücrelerinde Apoptoz Ve Otofaj Açısından Değerlendirilmesi, 2013 - 2015

Şahin A., Emekli N., Project Supported by Higher Education Institutions, Hiperlipidemi yapılmış farelerin kanlarında oksidlenmiş düşük dansiteli lipoprotein ve lipid peroksidasyonun değerlendirilmesi, 2009 - 2010

## Memberships / Tasks in Scientific Organizations

Society For Free Radical Research - Europe, Member, 2014 - Continues  
Turkish Biochemical Society, Member, 2014 - Continues

## Tasks In Event Organizations

Şahin A., Cell Death Symposium 2019, Scientific Congress, İstanbul, Turkey, Ekim 2019

## Metrics

Publication: 75  
Citation (WoS): 540  
Citation (Scopus): 606

H-Index (WoS): 13

H-Index (Scopus): 14

## Congress and Symposium Activities

8th Multidisciplinary Cancer Research Congress, Attendee, İstanbul, Turkey, 2021

42nd FEBS CONGRESS, Attendee, Yerushalayim, Israel, 2017

Society for Free Radical Research – Europe (SFRR-E) 2014 Meeting, Attendee, Paris, France, 2014