

## Assoc. Prof. BEHİYE ŞENEL

### Personal Information

**Email:** behiyek@anadolu.edu.tr

**Web:** <https://avesis.anadolu.edu.tr/behiyek>

### International Researcher IDs

ORCID: 0000-0001-9747-8307

Yoksis Researcher ID: 26086

### Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (Dr), Turkey 2006 - 2012

Postgraduate, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Genetik (YI) (Tezli), Turkey 2003 - 2005

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1999 - 2003

### Dissertations

Doctorate, Sirna taşıyıcı sistem geliştirme ve değerlendirme çalışmaları, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (Dr), 2012

Postgraduate, Kolorektal kanserlerin primer tümör ve metastazlarındaki genomik kopya değişimleri, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Genetik (YI) (Tezli), 2005

### Research Areas

Pharmacology and Therapeutics

### Academic Titles / Tasks

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2021 - Continues

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2019 - 2021

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2007 - 2019

### Courses

Farmasötik Biyoteknoloji Uygulamaları, Undergraduate, 2021 - 2022

Mezuniyet projesi II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Mezuniyet projesi I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Farmasötik Biyoteknoloji, Undergraduate, 2021 - 2022, 2018 - 2019, 2017 - 2018

Gen Düzenleme Teknikleri ve Farmasötik Biyoteknolojide Kullanımı, Postgraduate, 2021 - 2022

Antisens Teknolojisinde İnovatif Yaklaşımlar, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019

Farmasötik Biyoteknolojide Hücre ve Doku Teknolojileri, Doctorate, 2021 - 2022

Moleküler Biyoteknoloji Teknikleri, Postgraduate, 2021 - 2022

Antisens Teknolojisinde İnnovatif Yaklaşımlar, Undergraduate, 2020 - 2021

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

- I. **Examination of the effects of vitexin and vitexin-loaded solid lipid nanoparticles on neuropathic pain and possible mechanisms of action**  
Eken H., BEKTAŞ TÜRKMEN N., ŞENEL B., ARSLAN R.  
NEUROPHARMACOLOGY, vol.253, 2024 (SCI-Expanded)
- II. **Co-Delivery of siRNA and Docetaxel to Cancer Cells by NLC for Therapy**  
ŞENEL B., BAŞARAN E., AKYIL E., GÜVEN U. M., BÜYÜKKÖROĞLU G.  
ACS OMEGA, vol.9, no.10, pp.11671-11685, 2024 (SCI-Expanded)
- III. **Synthesis, characterization, antioxidant activity of Quercetin, Rutin and Quercetin-Rutin incorporated  $\beta$ -cyclodextrin inclusion complexes and determination of their activity in NIH-3T3, MDA-MB-231 and A549 cell lines**  
Alper Öztürk A. A., Başaran E., Şenel B., Demirel M., Sarıca Ş.  
Journal of Molecular Structure, vol.1282, 2023 (SCI-Expanded)
- IV. **Quercetin, Rutin And Quercetin-Rutin Incorporated Hydroxypropyl beta-Cyclodextrin Inclusion Complexes**  
Başaran E., Öztürk A. A., Şenel B., Demirel M., Sarıca Ş.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.172, 2022 (SCI-Expanded)
- V. **Preparation and Characterization of Palladium Derivate-Loaded Micelle Formulation in Vitro as an Innovative Therapy Option against Non-Small Cell Lung Cancer Cells**  
Erkisa M., ARI F., BÜYÜKKÖROĞLU G., ŞENEL B., YILMAZ V. T., ULUKAYA E.  
CHEMISTRY & BIODIVERSITY, vol.18, no.9, 2021 (SCI-Expanded)
- VI. **Effect of different molecular weight PLGA on flurbiprofen nanoparticles: formulation, characterization, cytotoxicity, and in vivo anti-inflammatory effect by using HET-CAM assay**  
Öztürk A. A., Yenilmez E., Şenel B., Kıyan H. T., Güven U. M.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.4, pp.682-695, 2020 (SCI-Expanded)
- VII. **Synthesis and characterization of 2-aminoethylphosphonic acid-functionalized graphene quantum dots: biological activity, antioxidant activity and cell viability**  
Yapar G., ŞENEL B., DEMİR N., Yıldız M.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.59, no.3, pp.317-323, 2020 (SCI-Expanded)
- VIII. **Preparation and in vitro evaluation of in situ gelling system containing lithium carbonate for parenteral administration**  
ÖZER S., ŞENEL B., Yazan Y.  
POLYMER BULLETIN, vol.77, no.2, pp.599-622, 2020 (SCI-Expanded)
- IX. **Evaluation of wound healing effect of chitosan-based gel formulation containing vitexin**  
BEKTAŞ TÜRKMEN N., ŞENEL B., Yenilmez E., ÖZATİK O., ARSLAN R.  
SAUDI PHARMACEUTICAL JOURNAL, vol.28, no.1, pp.87-94, 2020 (SCI-Expanded)
- X. **Influence of glyceryl behenate, tripalmitin and stearic acid on the properties of clarithromycin incorporated solid lipid nanoparticles (SLNs): Formulation, characterization, antibacterial activity and cytotoxicity**  
Öztürk A. A., Aygül A., Şenel B.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.54, 2019 (SCI-Expanded)
- XI. **New approaches to tumor therapy with siRNA-decorated and chitosan-modified PLGA nanoparticles**  
Şenel B., Orturk A. A.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.45, no.11, pp.1835-1848, 2019 (SCI-Expanded)
- XII. **Graphene quantum dots: Synthesis, characterization, cell viability, genotoxicity for biomedical**

## applications

ŞENEL B., DEMİR N., BÜYÜKKÖROĞLU G., Yıldız M.

SAUDI PHARMACEUTICAL JOURNAL, vol.27, no.6, pp.846-858, 2019 (SCI-Expanded)

- XIII. **Development and in vitro/in vivo evaluation of thermo-sensitive in situ gelling systems for ocular allergy**  
GÜVEN U. M., BERKMAN M. S., ŞENEL B., Yazan Y.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.55, 2019 (SCI-Expanded)
- XIV. **Vaginal Suppositories with siRNA and Paclitaxel-Incorporated Solid Lipid Nanoparticles for Cervical Cancer: Preparation and In Vitro Evaluation**  
BÜYÜKKÖROĞLU G., ŞENEL B., Yenilmez E.  
RNA INTERFERENCE AND CANCER THERAPY: METHODS AND PROTOCOLS, vol.1974, pp.303-328, 2019 (SCI-Expanded)
- XV. **Effects of Different Derivatives of Eudragit Polymer on Entrapment Efficiency, In Vitro Dissolution, Release Kinetics and Cell Viability Results on Extended Release Flurbiprofen Loaded Nanomedicines**  
Öztürk A. A., Güven U. M., Yenilmez E., Şenel B.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.37, no.10, pp.1981-1992, 2018 (SCI-Expanded)
- XVI. **Engineering Monoclonal Antibodies: Production and Applications**  
BÜYÜKKÖROĞLU G., ŞENEL B.  
OMICS TECHNOLOGIES AND BIO-ENGINEERING: TOWARDS IMPROVING QUALITY OF LIFE, VOL 1: EMERGING FIELDS, ANIMAL AND MEDICAL BIOTECHNOLOGIES, pp.353-389, 2018 (SCI-Expanded)
- XVII. **Nanocarriers for Vaccine and Gene Delivery Application**  
ŞENEL B., BÜYÜKKÖROĞLU G.  
MULTIFUNCTIONAL NANOCARRIERS FOR CONTEMPORARY HEALTHCARE APPLICATIONS, pp.381-414, 2018 (SCI-Expanded)
- XVIII. **Preparation and evaluation of carvedilol-loaded solid lipid nanoparticles for targeted drug delivery**  
Kipriye Z., ŞENEL B., Yenilmez E.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.16, no.9, pp.2057-2068, 2017 (SCI-Expanded)
- XIX. **Preparation and In Vitro Evaluation of DNA-Bonded Polymeric Nanoparticles as New Approach for Transcutaneous Vaccination**  
BÜYÜKKÖROĞLU G., ŞENEL B., Karabacak R. B.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.4, pp.730-739, 2017 (SCI-Expanded)
- XX. **Dexketoprofen Trometamol-Loaded Kollidon (R) SR and Eudragit (R) RS 100 Polymeric Nanoparticles: Formulation and In Vitro-In Vivo Evaluation**  
Öztürk A. A., Yenilmez E., Arslan R., Şenel B., Yazan Y.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.11, pp.2153-2165, 2017 (SCI-Expanded)
- XXI. **Preparation, Characterization and In Vitro Evaluation of Dirithromycin Loaded Eudragit (R) RS 100 Nanoparticles for Topical Application**  
Yenilmez E., YURTDaş KIRIMLIOĞLU G., ŞENEL B., BAŞARAN E.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.11, pp.2203-2212, 2017 (SCI-Expanded)
- XXII. **Preparation and in vitro evaluation of vaginal formulations including siRNA and paclitaxel-loaded SLNs for cervical cancer**  
BÜYÜKKÖROĞLU G., ŞENEL B., BAŞARAN E., Yenilmez E., Yazan Y.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.109, pp.174-183, 2016 (SCI-Expanded)
- XXIII. **The simultaneous delivery of paclitaxel and Herceptin (R) using solid lipid nanoparticles: In vitro evaluation**  
BÜYÜKKÖROĞLU G., ŞENEL B., Gezgin S., Tan Dinh T. D.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.35, pp.98-105, 2016 (SCI-Expanded)
- XXIV. **Development of paclitaxel-loaded liposomal systems with anti-her2 antibody for targeted therapy**  
BÜYÜKKÖROĞLU G., ŞENEL B., BAŞARAN E., Gezgin S.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.15, no.5, pp.895-903, 2016 (SCI-Expanded)
- XXV. **Ornidazole Incorporated Chitosan Nanoparticles for Ocular Application**

## Articles Published in Other Journals

- I. **Dexketoprofen trometamol loaded solid lipid nanoparticles (SLNs): Formulation, in vitro and in vivo evaluation**  
Öztürk A. A., Yenilmez E., Arslan R., Şenel B., Yazan Y.  
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.1, pp.82-99, 2020 (ESCI)
- II. **In vitro preliminary studies of chitooligosaccharide coated nanostructured lipidic nanoparticles for efficient gene delivery**  
ŞENEL B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.4, pp.671-681, 2019 (ESCI)
- III. **Paclitaxel loaded cationic solid lipid nanoparticle formulation, preparation and evaluation**  
Öztürk A. A., Şenel B., Yenilmez E., Başaran E., Büyükköroğlu G.  
JOURNAL OF NANOMEDICINE AND NANOTECHNOLOGY, vol.5, no.5, pp.202, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Nucleic Acid-Loaded Nanomedicines with Enhanced Anticancer Potential**  
Şenel B., Büyükköroğlu G.  
in: Bioactive-Loaded Nanomedicine for the Management of Health and Disease, Mahfoozur Rahman, Sarwar Beg, Khalid S. Alharbi, Waleed Hassan Almalki, Nabil K. Alruwaili, Majed Al Robaian, Editor, CRC, New York, Burlington, pp.37-60, 2023
- II. **Biotechnology in cosmetics**  
ŞENEL B., BÜYÜKKÖROĞLU G., SEVİM G.  
in: Biotechnology in Healthcare, Volume 2: Applications and Initiatives, Debmalya Bahr, Editor, Elsevier, pp.273-288, 2022
- III. **Biotechnology applications in clinical trials**  
BÜYÜKKÖROĞLU G., ŞENEL B., ŞALVA E., Çalıřkan B.  
in: Biotechnology in Healthcare, Volume 2: Applications and Initiatives, Debmalya Bahr, Editor, Elsevier, pp.163-196, 2022
- IV. **Bölüm 5: Tıbbi Tanı Cihazları**  
ŞENEL B.  
in: Genel Tıbbi Ürün ve Tıbbi Cihaz Bilgisi, Fatih Demirci, Editor, T.C. ANADOLU ÜNİVERSİTESİ YAYIN EVİ, Eskişehir, pp.122-148, 2020
- V. **Vaginal Suppositories with siRNA and Paclitaxel-Incorporated Solid Lipid Nanoparticles for Cervical Cancer: Preparation and In Vitro Evaluation**  
BÜYÜKKÖROĞLU G., ŞENEL B., YENİLMEZ E.  
in: RNA Interference and Cancer Therapy, Kumar, Lekha Dinesh, Editor, Springer, pp.303-328, 2019
- VI. **Nanocarriers for Vaccine and Gene Delivery Application**  
ŞENEL B., BÜYÜKKÖROĞLU G.  
in: Multifunctional Nanocarriers for Contemporary Healthcare Applications, Md. Abul Barkat, Harshita A.B., Sarwar Beg and Farhan J. Ahmad, Editor, IGI GLOBAL, pp.381-414, 2018
- VII. **Engineering Monoclonal Antibodies: Production and Applications**  
BÜYÜKKÖROĞLU G., ŞENEL B.  
in: OMICS TECHNOLOGIES AND BIO-ENGINEERING: Towards Improving Quality of Life, Debmalya Barh, Vasco Azevedo, Editor, Elsevier, pp.353-389, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Studies on development of lipid nanoparticle formulation containing vitexin and pDNA**  
EKEN H., ŞENEL B., BEKTAŞ TÜRKMEN N., ARSLAN R.  
International Biotechnology Congress (Bio-Türkiye), İstanbul, Turkey, 09 September 2021
- II. **Development and Evaluation of venetoclax and siRNA loaded albumin based carrier systems**  
Çalışkan B., ŞENEL B., BÜYÜKKÖROĞLU G.  
Uluslararası Biyoteknoloji Kongresi (BioTürkiye), İstanbul, Turkey, 09 September 2021
- III. **Combined Applications of Chemotherapeutic Agents and Antisense Technology for Synergistic Effect**  
ŞENEL B.  
BioTürkiye 2021, İstanbul, Turkey, 09 September 2021
- IV. **Self-emulsifying drug delivery systems (SEDDS) for siRNA delivery**  
ŞENEL B.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 December 2020
- V. **The studies on siRNA Delivery Systems for Colon Carcinomas**  
ŞENEL B., BÜYÜKKÖROĞLU G.  
ICEP 2019, PRAG, Czech Republic, 15 August 2019
- VI. **Development of Lipidic Nanocarrier for Gene Delivery**  
ŞENEL B.  
7th INTERNATIONAL CONGRESS on MOLECULAR BIOLOGY and BIOTECHNOLOGY, 25 - 27 April 2018
- VII. **In Vitro Dissolution and Cytotoxicity Studies on Quercetin and Rutin Loaded HP- $\beta$ -Cyclodextrin complexes**  
ÖZTÜRK A. A., ŞENEL B., BAŞARAN E., DEMİREL M.  
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- VIII. **Nanopartikül Aracılı siRNA Taşınması**  
ŞENEL B.  
1. Anadolu Üniversitesi Eczacılık Fakültesi Sempozyumu, Eskişehir, Turkey, 1 - 02 June 2017
- IX. **Palladium Incorporated Micelle: A Promising Material For Future Non-Small Cell Lung Cancer**  
Erkisa M., BÜYÜKKÖROĞLU G., ŞENEL B., YILMAZ V. T., ULUKAYA E., ARI F.  
VI. International Congress of Molecular Medicine : Molecular Medicine From the Updates Till The Future, İstanbul, Turkey, 22 - 25 May 2017
- X. **Development Of Cationic Lipid Nanoparticle Formulation For pDNA Delivery**  
ŞENEL B., BÜYÜKKÖROĞLU G.  
3rd Formulation Drug Delivery Congress and 2nd Inhalation Respiratory Drug Delivery Congress, Londrina, Brazil, 8 - 09 May 2017
- XI. **DESLORATADINE-CONTAINING ALBUMIN NANOPARTICLES INTENDED FOR INHALATION**  
BÜYÜKKÖROĞLU G., ŞENEL B.  
3rd Annual Formulation Drug Delivery Congress and 2nd Annual Inhalation Respiratory Drug Delivery Congress, Londra, England, 8 - 09 May 2017
- XII. **Improved DNA Vaccination using Cationic Polymeric Nanoparticles for Transcutaneous Immunization**  
BÜYÜKKÖROĞLU G., ŞENEL B., Öztürk A., Karabacak R. B.  
Functional Nanomaterials in Industrial Applications: Academic-Industry Meet, Preston, England, 29 - 31 March 2016
- XIII. **Evaluation Of Paclitaxel Loaded Liposomal System With Anti Her2 Antibody**  
BÜYÜKKÖROĞLU G., ŞENEL B.  
International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015
- XIV. **Evaluation Of Niclosamide Loaded Solid Lipid Nanoparticles**  
BÜYÜKKÖROĞLU G., ŞENEL B., ARI F., ULUKAYA E.

International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015

**XV. Development Of Nanoparticle For siRNA Delivery**

ŞENEL B., BÜYÜKKÖROĞLU G.

International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015

**XVI. Paclitaxel Loaded Cationic Solid Lipid Nanoparticle Formulation, Preparation and Evaluation**

Öztürk A. A., Şenel B., Yenilmez E., Başaran E., Büyükköroğlu G.

4th International Conference on Nanotek and Expo, California, United States Of America, 1 - 03 December 2014, vol.5, pp.200

**XVII. FORMULATION AND CHARACTERIZATION OF DIRITHROMYCINE NANOPARTICLES FOR TOPICAL TREATMENT Sözlü Bildiri**

ÖZTÜRK A. A., ŞENEL B., YENİLMEZ E., BAŞARAN E., BÜYÜKKÖROĞLU G.

4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.111

**XVIII. OCULAR APPLICATION OF DIRITHROMYCIN WITH CHITOSAN BASED POLYMERIC NANOPARTICLES Sözlü Bildiri**

ÖZTÜRK A. A., ŞENEL B., YENİLMEZ E., BAŞARAN E., BÜYÜKKÖROĞLU G.

4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.112

**XIX. In vitro studies of Vaginal Vaccination with DNA encapsulated solid lipid nanoparticles**

BÜYÜKKÖROĞLU G., ŞENEL B.

3rd Conference on "Innovation in Drug Delivery: Advances in Local Drug Delivery, PISA, Italy, 22 - 25 September 2013

**XX. Development and optimization Of SLN formulations for siRNA delivery to the vagina**

ŞENEL B., BÜYÜKKÖROĞLU G., YAZAN E. Y.

3rd Conference on "Innovation in Drug Delivery: Advances in Local Drug Delivery, PISA, Italy, 22 - 25 September 2013

**XXI. Preliminary Studies on Polymeric Particle Formulations of Chitosan Eudragit Complexes as A Gene Delivery System**

ŞENEL B., BÜYÜKKÖROĞLU G., YAZAN E. Y.

16th International Pharmaceutical Technology Symposium, Antalya, Turkey, 10 - 12 September 2012

**XXII. Formulation and Evaluation of Various Cationic Solid Nanoparticles with Octadecylamine**

BÜYÜKKÖROĞLU G., ŞENEL B., KOPARAL A. T., BOSTANCIOĞLU B.

14th International Pharmaceutical Technology Symposium, Antalya, Turkey, 06 September 2010 - 10 September 2009

**XXIII. Studies on cationic chitosan nanoparticle formulations for gene delivery**

BÜYÜKKÖROĞLU G., ŞENEL B., YAZAN E. Y.

11th International Conference on Chitin and Chitosan and The 8th Asia-Pacific Chitin and Chitosan Symposium, Taipei, Taiwan, 6 - 09 September 2009

**XXIV. Preliminary Study on Formulation And Evaluation of Cationic SLNs for Gene Delivery Systems**

ŞENEL B., BÜYÜKKÖROĞLU G.

6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, BARCELONA, Spain, 7 - 10 April 2008

**XXV. Detection of chromosomal aberrations in CLL and correlation with clinical staging**

DURAK ARAS B., AKAY O. M., ŞENEL B., BURUL İ., ÖZDEMİR M., ARTAN S., GÜLBAŞ Z.

8th American Society of Hematology Annual Meeting 2006, Orlando, United States Of America, 9 - 12 December 2006, vol.108, pp.4634

**XXVI. Skewed X inactivation in case having partial trisomy 10q with mild phenotype caused by an unbalanced X10 translocation**

DURAK ARAS B., BADEMÇİ G., ALDEMİR Ö., ŞENEL B., ÇİMEN İ., ARTAN S.

6th European Cytogenetics Conference, İstanbul, Turkey, 7 - 10 July 2006, vol.15, pp.94-95

- XXVII. **Kolorektal kanserlerin primer tümör ve metastazlarındaki genomik kopya değişimleri**  
ŞENEL B., Özdemir N., DURAK ARAS B., IŞIKSOY S., ARTAN S.  
Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Turkey, 17 - 20 May 2006
- XXVIII. **FISH ve MLPA yöntemleriyle multiple konjenital anomalili iki kuzende subtelomerik bölge anomalilerinin ortaya konması**  
ARTAN S., DURAK ARAS B., BADEMCİ G., Tepeli E., ŞENEL B., DEMİR S., ÖZDEMİR M., ÇİLİNGİR O., MÜSLÜMANOĞLU M. H.  
VII. Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Kayseri, Turkey, 17 - 20 May 2006
- XXIX. **Maternal t 2 14 kaynaklı fetal parsiyel trizomi 14q**  
Sezer Ö., Özyılmaz B., Ekici F., ARTAN S., ŞENEL B., ÇİLİNGİR O., KOÇAK İ., Oğur G.  
VII. Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Turkey, 17 - 20 May 2006
- XXX. **Olası Phelan Mcdermid sendromunda 22q13 3 delesyon ve 6qter trizomisi olan kardeşler**  
BADEMCİ G., Tepeli E., ÖZDEMİR M., DURAK ARAS B., MÜSLÜMANOĞLU M. H., ŞENEL B., ÖZNUR M., ARTAN S.  
VII. Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Turkey, 17 - 20 May 2006
- XXXI. **Tekrarlayan Gebelik Kayıpları Olan Çiftlerde Subtelomerik FISH analizi**  
DURAK ARAS B., Yeşil M., ŞENEL B., ÇİLİNGİR O., ÖZDEMİR M., MÜSLÜMANOĞLU M. H., ARTAN S.  
VII. Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Turkey, 17 - 20 May 2006
- XXXII. **Tekrarlayan gebelik kaybı öyküsü olan parsiyel trizomi 14 lü bir olgu**  
ÖZDEMİR M., Ceylaner S., DURAK ARAS B., BADEMCİ G., Akay D., ÇİLİNGİR O., ŞENEL B., ARTAN S.  
VII. Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Kayseri, Turkey, 17 - 20 May 2006
- XXXIII. **Comparison of conventional cytogenetic, FISH and RT-PCR techniques in bcr-abl positive leukemia**  
ÖZDEMİR M., DURAK ARAS B., YAŞAR BİLGE N. Ş., ŞENEL B., BURUL İ., AKAY O. M., ARTAN S., GÜLBAŞ Z.  
5th European Cytogenetics Conference, Madrid, Spain, 4 - 07 June 2005, vol.13, pp.159
- XXXIV. **Comparison of genomic copy alterations in benign, boderline and invasive ovarian tumors by (DOP-PCR) CGH analysis in Turkish patients**  
ARTAN S., öNER Ü., ÖZALP S., AÇIKALIN M. F., ŞENEL B., ÇİLİNGİR O.  
5et European Cytogenetics Conference, Madrid, Spain, 4 - 07 June 2005, vol.13, pp.86
- XXXV. **BCR-ABL pozitif Lösemilerde Kalsik Sitogenetik, FISH, ve RT-PCR Yöntemlerinin Karşılaştırılması**  
DURAK ARAS B., YAŞAR BİLGE N. Ş., ŞENEL B., BURUL İ., AKAY O. M., ÖZDEMİR M., ARTAN S., GÜLBAŞ Z.  
Türk Hematoloji Derneği 31. Ulusal Kongresi, Antalya, Turkey, 23 - 28 September 2004
- XXXVI. **KLL li hastalarda Kromozomal Değişikliklerin FISH ile Tanısı ve Evrendirme ile İlişkisi**  
DURAK ARAS B., AKAY O. M., ŞENEL B., BURUL İ., GÜNDÜZ E., ÖZDEMİR M., ARTAN S., GÜLBAŞ Z.  
Türk Hematoloji Derneği 31. Ulusal Kongresi, Antalya, Turkey, 23 - 28 September 2004
- XXXVII. **Tip II Diyabetli Hastalarda Lipoprotein Lipaz Gen Polimorfizmi ile Nefropati Retinopati Hipertansiyon ve Nöropati Arasındaki İlişki**  
Güler S., MÜSLÜMANOĞLU M. H., ÇİLİNGİR O., ÇAKIR B., ŞENEL B., GÜL K., Gürsoy G., ARTAN S.  
VI.Ulusal Prenatal Tanı ve Tıbbi Genetik Kongresi, Antalya, Turkey, 21 - 24 April 2004

## Supported Projects

ŞENEL B., Project Supported by Higher Education Institutions, Rutin, Kersetin ve Viteksinin Farklı Kansere Hücreleri Üzerindeki Etkilerinin İncelenmesi, 2020 - Continues

BEKTAŞ TÜRKMEN N., ŞENEL B., Project Supported by Higher Education Institutions, Viteksin ve viteksin yüklü taşıyıcı sistemin nöropatik ağrı üzerindeki etkilerinin araştırılması, 2020 - Continues

Tamer B., Şenel B., Project Supported by Higher Education Institutions, Hücre dışı vezikül tabanlı hibrid nanopartikül hazırlama ve karakterizasyon çalışmaları, 2023 - 2024

Özcan B., Şenel B., Project Supported by Higher Education Institutions, siRNA Taşınması için Bitkisel Kaynaklı Ekzozom Eldesi ve Değerlendirilmesi, 2023 - 2024

AKYIL E., BAŞARAN E., ŞENEL B., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, Efrin

Reseptörleri Üzerinde Etki Gösteren Dösetaksel ile kombine siRNA Taşıyan Emülsiyon Sistemlerinin Hazırlanması ve İn Vitro Değerlendirilmesi, 2017 - 2021

BEKTAŞ TÜRKMEN N., ŞENEL B., Kapsaisinle indüklenen ağrı modelinde protokatesik asit ve ferulik asitin anajezik etki mekanizmasının incelenmesi, 2019 - 2020

AKYIL E., ŞENEL B., Project Supported by Higher Education Institutions, Uzatılmış Salm Yapan Flurbiprofen Yüklü Nanoboyutlu İlaç Taşıyıcı Sistem Geliştirilmesi ve Değerlendirilmesi Proje No: 1805S212, 2018 - 2019

Çalışkan B., Şenel B., Büyükköroğlu G., Project Supported by Higher Education Institutions, Metastatik Kemik Kanseri için BCL-2 Genini Susturmaya Yönelik Zoledronik Asit ile Hedeflendirilmiş Albümin Taşıyıcı Sistemlerin Geliştirilmesi ve İn Vitro Değerlendirilmesi, 2018 - 2019

ŞENEL B., Project Supported by Higher Education Institutions, Analjezik etkili PLGA nanopartiküllerinin geliştirilmesi İn vitro salım kinetiği ve sitotoksite profilinin değerlendirilmesi Proje No: 1708S471, 2017 - 2019

YAZAN E. Y., ŞENEL B., ÖZER S., Project Supported by Higher Education Institutions, Parenteral Veriliş Uygun Lityum İçeren İn Situ Jelleşen Sistem Hazırlanması ve İn Vitro Değerlendirilmesi, 2017 - 2019

ŞENEL B., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, Hepatit B Yüzey Antijeni Kodlayan Plasmid DNA Enkapsüle Edilmiş SLN İle Pulmoner Aşılama, 2015 - 2017

DAL POÇAN A. G., BERKMAN M. S., ŞENEL B., Project Supported by Higher Education Institutions, MİTOMİSİN C İÇEREN OFTALMİK İLAÇ TAŞIYICI SİSTEM GELİŞTİRİLMESİ VE KARARLILIK ÇALIŞMALARI (PROJE NO: 1410S405), 2014 - 2017

YAZAN E. Y., AKYIL E., BÜYÜKKÖROĞLU G., ŞENEL B., Project Supported by Higher Education Institutions, RAHİM AĞZI KANSERİ İÇİN siRNA BAĞLI ve PAKLİTAKSEL İÇEREN PARTİKÜLLERLE HAZIRLANMIŞ VAJİNAL FORMÜLASYONLARIN HAZIRLANMASI DEĞERLENDİRİLMESİ ve KARŞILAŞTIRILMASI, 2013 - 2016

ŞENEL B., BAŞARAN E., Project Supported by Higher Education Institutions, Oküler Uygulamaya Yönelik Ornidazol İçeren Polimerik Nanopartiküllerin Hazırlanması Ve İn Vitro İn Vivo Değerlendirilmesi BAP Proje No 1306S229, 2013 - 2014

ŞENEL B., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, siRNA Taşıyıcı Sistem Geliştirme ve Değerlendirme Çalışmaları, 2009 - 2012