

## Prof. Serap DERMAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: P-9981-2018

ScopusID: 37057053800

Yoksis Researcher ID: 174423

### Biography

Serap DERMAN received her BSc degree in 2003 from Yildiz Technical University Faculty of Science-Chemistry Department and in 2008 Chemical Engineering Department. Completed her MSc degree in 2006 and PhD degree in 2012 in Bioengineering Programme at Yildiz Technical University. Serap DERMAN received the title of Associate Professor in the field of Bioengineering in March 2017 and Prof. Dr. in July 2022. She works as a Principal Investigator in the Derman'S Research Group.

[www.dermanslab.com](http://www.dermanslab.com)

### Education Information

Doctorate, Yildiz Technical University, Kimya Metalurji Fakültesi, Biyomühendislik, Turkey 2006 - 2012

Undergraduate Double Major, Yildiz Technical University, Kimya Metalurji Fakültesi, Kimya Mühendisliği, Turkey 2000 - 2008

Postgraduate, Yildiz Technical University, Kimya Metalurji Fakültesi, Biyomühendislik, Turkey 2003 - 2006

Undergraduate, Yildiz Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1998 - 2003

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Canine Parvovirus'e Ait Antijenik Özellikli Sentetik Peptidlerin Sentezi Ve Biyokonjugatlarının Geliştirilmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Biyomühendislik, 2012

Postgraduate, Peptid-Protein Kovalent Konjugasyonu, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Biyomühendislik, 2006

### Research Areas

Biomaterials, Material Characterization, Nanomaterials, Life Sciences, Biotechnology, Biomaterial

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2022 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2017 - Continues

Research Assistant PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2012 - 2017

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2004 - 2012

## Academic and Administrative Experience

### Courses

Biyopolimerler, Postgraduate, 2019 - 2020

Bitirme Çalışması, Undergraduate, 2019 - 2020

Biyomühendislik Laboratuvarı 2, Undergraduate, 2018 - 2019, 2017 - 2018

Bitirme Tezi, Undergraduate, 2018 - 2019, 2017 - 2018

Biochemistry in Bioengineering, Undergraduate, 2019 - 2020

Proje, Undergraduate, 2018 - 2019, 2017 - 2018

Biyoteknoloji Mühendisliği, Doctorate, 2018 - 2019

Biyomühendislik Laboratuvarı Esasları-1, Postgraduate, 2018 - 2019

Mühendisler İçin Organik Kimya, Undergraduate, 2018 - 2019

Proje, Undergraduate, 2019 - 2020

Biyomalzemeler Doku Etkileşimleri, Postgraduate, 2019 - 2020

Biyoteknoloji Mühendisliği, Doctorate, 2017 - 2018

Biyomühendislik Laboratuvarı 1, Undergraduate, 2018 - 2019, 2017 - 2018

Makromoleküler Malzemelerin Biyomühendisliği, Doctorate, 2017 - 2018

Biyomühendislikte Biyokimya, Undergraduate, 2018 - 2019, 2017 - 2018

Biyopolimerler, Postgraduate, 2018 - 2019, 2017 - 2018

Biyomalzeme Doku Etkileşimleri, Postgraduate, 2018 - 2019

Biyomühendislikte Laboratuvar Esasları I, Postgraduate, 2017 - 2018

Biyonanoteknoloji, Doctorate, 2017 - 2018

Proje, Undergraduate, 2017 - 2018

### Advising Theses

DERMAN S., Enzim Duyarlı Polimerlere Dayalı İlaç Taşıyıcı Sistemlerin Geliştirilmesi ve Biyolojik Etkinliğinin Değerlendirilmesi, Doctorate, G.EROL(Student), Continues

Derman S., Antimikrobiyal Doku İskelesinin Üretimi ve Karakterizasyonu, Postgraduate, E.Bahar(Student), Continues

DERMAN S., Antimikrobiyal Özellikli Peptid Sentezi ve Biyolojik Aktivitesinin İncelenmesi, Postgraduate, S.PINAR(Student), Continues

DERMAN S., Hidrofobik Antibiyotiklerin Nanoformülasyonları ile Antimikrobiyal Özelliğinin Artırılması, Postgraduate, B.KOÇYİĞİT(Student), Continues

Derman S., Balık D., Utiliation of Micro and Nanotechnology In Diagnosis and Treatment, Doctorate, T.Gül(Student), Continues

Derman S., Nanoçöktürme Yöntemi ile Biyoaktif Polietilenglikol (PEG)-b-Polikaprolacton (PCL) nanopartiküllerin üretimi, Postgraduate, M.İŞİK(Student), Continues

DERMAN S., Biyoaktif Doku İskelesi Üretimi ve Antimikrobiyal Aktivitesinin Değerlendirilmesi, Doctorate, N.BONCUKÇU(Student), Continues

DERMAN S., Brusellozis'in Saptanması için Elektrokimyasal Biyosensör, Postgraduate, B.Bengisu(Student), Continues

DERMAN S., Terapötik Taşıyıcı Olarak Kullanılabilecek Fonksiyonel Poli(Beta-Amino Ester)lerin Sentezi ve Karakterizasyonu, Doctorate, E.KAHVECİ(Student), Continues

DERMAN S., Çeşitli Bitki Ekstraktları Kullanılarak Yeşil Sentez Yöntemi ile Metalik Nanopartikül Üretimi ve Antioksidan Aktivitelerinin Değerlendirilmesi, Postgraduate, A.GENÇARSLAN(Student), Continues

Derman S., Kanser Hücrelerine Hedefli Biyobozunur Nanopartiküler Sistemlerin Geliştirilmesi, Doctorate, M.Kara(Student), Continues

Derman S., Karahan M., Q Humma Hastalığına Karşı Aşı Modeli Oluşturulması Amacıyla Sentetik Polimerlerin Lipopolisakaritlerle Konjugatlarının Geliştirilmesi Ve Yapılarının İncelenmesi, Doctorate, P.PELİT(Student), 2021

Sarıyar Akbulut B., Derman S., Formation of Curcumin-Cell Penetrating Peptide Conjugates and Evaluation of Their Antimicrobial Properties, Postgraduate, E.KÖLEOĞLU(Student), 2021

Derman S., Ebola Virüsüne ait Sentetik Peptid-Polimer Konjugatlarının ve Nanoformülasyonlarının Sentezi ve Karakterizasyonu, Doctorate, T.ACAR(Student), 2020

Derman S., Kanser tedavisine Yönelik Fonksiyonel Polimerik Nanopartiküller, Postgraduate, Y.BOZKURT(Student), 2019

Erişen S., Derman S., Yonca (Medicago sativa) Süspansiyon Kültürlerinde Floresan İşaretli Poly (lactic-co-glycolic) Asit Nanopartiküllerinin Hücreye Alımı ve Dağılımının Araştırılması, Doctorate, E.Ulusoy(Student), 2019

Derman S., Eğri Ö., Biyoaktif Yara Örtü Malzemesi Üretimi ve Karakterizasyonu, Postgraduate, S.KAYA(Student), 2019

DERMAN S., Multifonksiyonel PLGA nanopartiküllerin Üretimi ve Karakterizasyonu, Postgraduate, S.DURAK(Student), 2018

AKÇA C., DERMAN S., Magnezyum Alaşımından İmal Edilen Vücut İçi İmplantlar İçin Polimer Esaslı Kaplamaların Geliştirilmesi, Postgraduate, S.Acar(Student), 2016

DERMAN S., Juglon Yüklü Nanopartiküllerin Üretimi ve Karakterizasyonu, Postgraduate, G.YELKENCİ(Student), 2015

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, May, 2019

Appointment Academic Staff, Appointment Academic Staff, İstanbul Yeni Yüzyıl Üniversitesi, March, 2019

Doctorate, Doktora Tezi, Yıldız Teknik Üniversitesi, December, 2018

Doctorate, Doktora Tezi, Yıldız Teknik Üniversitesi, June, 2018

Doctoral Examination, Doktora Yeterlik, Yıldız Teknik Üniversitesi, May, 2018

Post Graduate, Yüksek Lisans Tezi, İstanbul Yeni Yüzyıl Üniversitesi, April, 2018

Doctoral Examination, Doktora Yeterlilik, Yıldız Teknik Üniversitesi, March, 2018

Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, June, 2017

Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, June, 2017

Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, June, 2017

Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, May, 2017

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

1. **Glycopolymer and Poly(beta-amino ester)-Based Amphiphilic Block Copolymer as a Drug Carrier**  
Kahveci E. L. S. , Kahveci M. Ü. , Celebi A., Avsar T., DERMAN S.  
BIOMACROMOLECULES, 2022 (SCI-Expanded)

- II. **Curcumin Displays Enhanced Solubility and Antibacterial Activities When Complexed with the Cell Penetrating Peptide pVEC**  
Koleoglu E., Acar T., DERMAN S., SARIYAR AKBULUT B.  
INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS, vol.28, no.4, 2022 (Journal Indexed in SCI)
- III. **Caffeic Acid Phenethyl Ester Loaded Electrospun Nanofibers for Wound Dressing Application**  
Kaya S., Yilmaz D. E. , Akmayan I., Egri O., Arasoglu T., DERMAN S.  
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.111, no.3, pp.734-742, 2022 (Peer-Reviewed Journal)
- IV. **A nanotechnological approach in the current therapy of COVID-19: model drug oseltamivir-phosphate loaded PLGA nanoparticles targeted with spike protein binder peptide of SARS-CoV-2**  
Ucar B., Acar T., Pelit Arayıcı P., Derman S.  
NANOTECHNOLOGY, vol.32, no.48, 2021 (Peer-Reviewed Journal)
- V. **In Vitro Evaluation of Immunogenicity of Recombinant OMP25 Protein Obtained from Endemic Brucella abortus Biovar 3 as Vaccine Candidate Molecule Against Animal Brucellosis**  
Atabey T., Acar T., Derman S., Ordu E., Erdemir A., Tasli P. N. , Gur G. K. , Sahin F., Gulluce M., Arasoglu T.  
PROTEIN AND PEPTIDE LETTERS, vol.28, no.10, pp.1138-1147, 2021 (SCI-Expanded)
- VI. **Nano-co-delivery of lipophosphoglycan with soluble and autoclaved leishmania antigens into PLGA nanoparticles: Evaluation of in vitro and in vivo immunostimulatory effects against visceral leishmaniasis**  
Tosyali O. A. , Allahverdiyev A., Bagirova M., Abamor E. Ş. , Aydogdu M., Dinparvar S., Acar T., Mustafaeva Z., Derman S.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.120, 2021 (Peer-Reviewed Journal)
- VII. **DEVELOPMENT OF LIPOPOLYSACCHARIDE-POLYOXIDONIUM COMPLEXES AND CONJUGATES AGAINST THE Q FEVER DISEASE FOR APPLICATION PURPOSE OF VACCINE PROTOTYPE**  
Arayıcı P. P. , Acar T., Karahan M., Derman S., Akdeste Z., Toman R.  
Fresenius Environmental Bulletin, vol.12, no.29, pp.11349-11357, 2020 (Journal Indexed in SCI Expanded)
- VIII. **Synthetic peptide vaccine for Foot-and- Mouth Disease: synthesis, characterization and immunogenicity**  
MANSUROĞLU B., DERMAN S., Kizilbey K., Ates S. C. , Akdeste Z. M.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.6, pp.859-868, 2020 (Journal Indexed in SCI)
- IX. **Synthesis and Characterization of Catechin Loaded Microparticles and Their Evaluation For Antimutagenic Activity Against S. typhimurium Mutant Strains**  
Arasoğlu T., Türkoğlu B., Akmayan İ., Mansuroğlu B., Derman S.  
Fresenius Environmental Bulletin, no.29, pp.7329-7334, 2020 (Journal Indexed in SCI)
- X. **Quercetin-loaded nanoparticles enhance cytotoxicity and antioxidant activity on C6 glioma cells**  
Ersoz M., Erdemir A., Derman S., Arasoglu T., Mansuroglu B.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.25, pp.757-766, 2020 (SCI-Expanded)
- XI. **The battle against biofilm infections: juglone loaded nanoparticles as an anticandidal agent**  
Gumus B., Acar T., Atabey T., DERMAN S., Sahin F., ARASOĞLU T.  
JOURNAL OF BIOTECHNOLOGY, vol.316, pp.17-26, 2020 (Peer-Reviewed Journal)
- XII. **The Cellular Uptake, Distribution and Toxicity of Poly (lactic-co-glycolic) Acid Nanoparticles in Medicago sativa Suspension Culture**  
Ulusoy E., Derman S., Erişen S.  
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.25, no.3, pp.1572-1580, 2020 (Journal Indexed in SCI)
- XIII. **Enhanced antibacterial and antiparasitic activity of multifunctional polymeric nanoparticles**  
Durak S., ARASOĞLU T., Ates S. C. , DERMAN S.  
NANOTECHNOLOGY, vol.31, no.17, 2020 (Peer-Reviewed Journal)
- XIV. **Cytotoxic and mutagenic potential of juglone: a comparison of free and nano-encapsulated form**  
Erişen S., Arasoğlu T., Mansuroğlu B., Kocaçalışkan İ., Derman S.

Arhiv za Higijenu Rada i Toksikologiju, vol.71, no.1, pp.69-77, 2020 (Peer-Reviewed Journal)

- XV. **Synthesis of Chitosan Nanoparticles for Controlled Release of Amiodarone**  
Buyuk N. I. , Arayici P., DERMAN S., Mustafaeva Z., YÜCEL S.  
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.82, no.1, pp.131-138, 2020 (Peer-Reviewed Journal)
- XVI. **COVALENT CONJUGATION AND CHARACTERIZATION OF THE EBOLA NUCLEOPROTEIN 421-430 PEPTIDE WITH POLYACRYLIC ACID**  
Acar T, Ucar B., Arayici P., DERMAN S., Mustafaeva Z.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.7, pp.5214-5219, 2020 (Peer-Reviewed Journal)
- XVII. **Antioxidant Activity and Hemocompatibility Study of Quercetin Loaded Plga Nanoparticles**  
DERMAN S., Uzunoglu D., Acar T., ARASOĞLU T., Ucak S., Ozalp V. C. , MANSUROĞLU B.  
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.19, no.1, pp.424-435, 2020 (SCI-Expanded)
- XVIII. **An insight into the epitope-based peptide vaccine design strategy and studies against COVID-19**  
Topuzogullari M., Acar T., Pelit Arayıcı P., Uçar B., Uğurel E., Abamor E. Ş. , Arasoğlu T., Turgut-Balık D., Derman S.  
TURKISH JOURNAL OF BIOLOGY, vol.44, no.3, pp.215-227, 2020 (SCI-Expanded)
- XIX. **Evaluation of in vitro and in vivo immunostimulatory activities of poly (lactic-co-glycolic acid) nanoparticles loaded with soluble and autoclaved Leishmania infantum antigens: A novel vaccine candidate against visceral leishmaniasis**  
Abamor E. Ş. , Allahverdiyev A., Tosyali O. A. , Bağırova M., Acar T., Mustafaeva Z., Derman S.  
ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE, vol.12, no.8, pp.353-364, 2019 (Peer-Reviewed Journal)
- XX. **Comparative evaluation of hesperetin loaded nanoparticles for anticancer activity against C6 glioma cancer cells**  
Ersoz M., Erdemir A., Duranoglu D., Uzunoglu D., Arasoglu T., Derman S., Mansuroglu B.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.47, pp.319-329, 2019 (SCI-Expanded)
- XXI. **Synthesis of hesperetin-loaded PLGA nanoparticles by two different experimental design methods and biological evaluation of optimized nanoparticles**  
Duranoglu D., Uzunoglu D., Mansuroğlu B., Arasoğlu T., Derman S.  
NANOTECHNOLOGY, vol.29, 2018 (Peer-Reviewed Journal)
- XXII. **Assessment of the Antigenotoxic Activity of Poly(D,L-lactic-co-glycolic acid) Nanoparticles Loaded with Caffeic Acid Phenethyl Ester Using the Ames Saimonella/Microsome Assay**  
Arasoglu T., DERMAN S.  
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.66, no.24, pp.6196-6204, 2018 (Journal Indexed in SCI)
- XXIII. **An In vivo study: Adjuvant activity of poly-n-vinyl-2-pyrrolidone-co-acrylic acid on immune responses against Melanoma synthetic peptide**  
Kızılbey K., MANSUROĞLU B., DERMAN S., AKDESTE Z.  
BIOENGINEERED, vol.9, no.1, pp.134-143, 2018 (Peer-Reviewed Journal)
- XXIV. **Synthesis, characterization and antibacterial activity of juglone encapsulated PLGA nanoparticles**  
Arasoğlu T., Derman S., Mansuroğlu B., Yelkenci G., Kocuyigit B., Gumus B., Acar T., Kocaçalışkan İ.  
JOURNAL OF APPLIED MICROBIOLOGY, vol.123, pp.1407-1419, 2017 (Peer-Reviewed Journal)
- XXV. **Preparation, characterization, and enhanced antimicrobial activity: quercetin-loaded PLGA nanoparticles against foodborne pathogens**  
ARASOĞLU T., DERMAN S., MANSUROĞLU B., Uzunoglu D., KOCYIGIT B., GUMUS B., ACAR T., TUNCER B.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.1, pp.127-140, 2017 (Peer-Reviewed Journal)
- XXVI. **THE STUDY OF SYNTETIC PEPTIDE LOADED PLGA NANOPARTICLES CYTOTOXICITY IN VITRO**  
DERMAN S., AKDESTE Z. M. , Ates S. C. , MANSUROĞLU B., Kizilbey K., BAĞIROVA M., ALLAHVERDİYEV A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, pp.1646-1653, 2017 (SCI-Expanded)
- XXVII. **Enhancement of Antifungal Activity of Juglone (5-Hydroxy-1,4-naphthoquinone) Using a Poly(d, l - lactic-co-glycolic acid) (PLGA) Nanoparticle System**  
Arasoğlu T., Mansuroğlu B., Derman S., Gumus B., Kocuyigit B., Acar T., Kocaçalışkan İ.  
Journal of Agricultural and Food Chemistry, vol.64, no.38, pp.7087-7094, 2016 (Peer-Reviewed Journal)
- XXVIII. **Comparative evaluation of antibacterial activity of caffeic acid phenethyl ester and PLGA nanoparticle formulation by different methods**

- ARASOĞLU T., DERMAN S., MANSUROĞLU B.  
NANOTECHNOLOGY, vol.27, no.2, 2016 (Peer-Reviewed Journal)
- XXIX. **Preparation, characterization and immunological evaluation: canine parvovirus synthetic peptide loaded PLGA nanoparticles**  
DERMAN S., MUSTAFAEVA Z. A. , ABAMOR E. Ş. , BAĞIROVA M., ALLAHVERDİYEV A.  
JOURNAL OF BIOMEDICAL SCIENCE, vol.22, 2015 (SCI-Expanded)
- XXX. **Particle size and zeta potential investigation of synthetic peptide-protein conjugates**  
DERMAN S., AKDESTE Z. M.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.40, no.4, pp.282-289, 2015 (Peer-Reviewed Journal)
- XXXI. **Caffeic Acid Phenethyl Ester Loaded PLGA Nanoparticles: Effect of Various Process Parameters on Reaction Yield, Encapsulation Efficiency, and Particle Size**  
Derman S.  
JOURNAL OF NANOMATERIALS, 2015 (Peer-Reviewed Journal)
- XXXII. **Protective effect of chemically modified SOD on lipid peroxidation and antioxidant status in diabetic rats**  
MANSUROĞLU B., DERMAN S., YABA A., KIZILBEY K.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.72, pp.79-87, 2015 (Journal Indexed in SCI)
- XXXIII. **Selenium status in blood, urine, and hair samples of newly diagnosed pediatric cancer patients**  
Karaman S., MANSUROĞLU B., KIZILBEY K., DERMAN S., HAZAR A. B.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.2, pp.329-334, 2015 (Journal Indexed in SCI)
- XXXIV. **SYNTHESIS AND CHARACTERIZATION OF CANINE PARVOVIRUS (CPV) VP2 W-7L-20 SYNTHETIC PEPTIDE FOR SYNTHETIC VACCINE**  
DERMAN S., KIZILBEY K., MANSUROĞLU B., MUSTAFAEVA Z.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, pp.558-566, 2014 (SCI-Expanded)
- XXXV. **Poly (N-vinyl-2-pyrrolidone-co-acrylic acid): Comparing of "Traditional Heating" and "Microwave-Assisted" Free Radical Polymerization**  
KIZILBEY K., DERMAN S., MUSTAFAEVA Z.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.35, no.4, pp.1191-1196, 2013 (Peer-Reviewed Journal)
- XXXVI. **Investigation of protein-polyelectrolyte complex and conjugates by high performance liquid chromatography methods**  
MANSUROĞLU B., KIZILBEY K., DERMAN S., MUSTAFAEVA Z.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.36, no.1, pp.21-28, 2011 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **Production, characterization and antioxidant activity evaluation of quercetin loaded PLGA nanofibers**  
Kaya S., Derman S.  
Sigma Journal of Engineering and Natural Sciences, vol.40, no.2, pp.1-10, 2022 (ESCI)
- II. **2,4-Dichlorophenoxyacetic Acid Loaded Polymeric Nanoparticle Synthesis and Its Effect on Biomass of Medicago sativa Cell Suspension Cultures**  
Poyraz F. Ş. , Abacı E. E. , Ertürk C., Acar T., Derman S., Erişen S., Mansuroğlu B.  
International Journal of Life Sciences and Biotechnology, vol.4, no.12, pp.46-60, 2021 (Peer-Reviewed Journal)
- III. **Rutin Yüklü Kitosan Nanopartiküllerinin Sentezi, Karakterizasyonu ve Antioksidan Aktivitesinin Değerlendirilmesi**  
Beyoğlu G., Araç Ö., Taşkın D., PELİT ARAYICI P., KIZILBEY K., DERMAN S.  
Eurasian Journal of Biological and Chemical Sciences, 2020 (Other Refereed National Journals)
- IV. **An Optimization Study for Chitosan Nanoparticles: Synthesis and Characterization**

Büyük N. İ. , Pelit Arayıcı P., Derman S., Mustafaeva Z., Yücel S.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.16, no.2, pp.119-127, 2020 (Peer-Reviewed Journal)

- V. **Synthesis and characterization methods of polymeric nanoparticles**  
Katmış A., Fide S., Karaismailoğlu Ş., DERMAN S.  
Characterization and Application of Nanomaterials, vol.1, no.3, pp.1-9, 2018 (Peer-Reviewed Journal)
- VI. **On Regularities of Conjugation of W-1L19 Synthetic Peptide to Polyacrylic Acid Polymer Using EDC as a Cross -Binding Agent**  
DERMAN S., Mustafaeva Akdeste Z., Mamedov A.  
European Journal of Scientific Research, vol.138, no.4, pp.419-430, 2016 (Refereed Journals of Other Institutions)
- VII. **ANTIOXIDANT EFFECT OF CATECHIN LOADED POLYMERIC NANOPARTICLE**  
Tuncer B., Mansuroğlu B., Derman S.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.3, pp.453-465, 2016 (Peer-Reviewed Journal)
- VIII. **Polimerik Nanopartiküller**  
Derman S., Kızılbaş K., Akdeste Z.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, , vol.31, no.1, pp.109-122, 2013 (Journal Indexed in ESCI)

## Books & Book Chapters

- I. **Synthesis and Applications of Synthetic Peptides**  
UÇAR B., ACAR T., PELİT ARAYICI P., ŞEN M., DERMAN S., MUSTAFAEVA Z.  
in: Peptide Synthesis, Dr. Jaya T. Varkey, Editor, Intechopen, Londra, pp.1-25, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Juglon Yüklü Kitosan Doku İskelesi Üretimi Ve Karakterizasyonu**  
Boncukçu N., DERMAN S.  
3rd International Eurasian Conference on Biological and Chemical Sciences, 19 - 20 March 2020, pp.768-775
- II. **Ebola Virüs Hastalığına Ait Antijenik Peptid Yüklü Polimerik Nanopartiküllerin Sentezi ve Karakterizasyonu**  
ACAR T., PELİT ARAYICI P., UÇAR B., DERMAN S., MUSTAFAEVA Z.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.135
- III. **Antioxidant and antimicrobial activity of CAPE-loaded PLGA nanofibers**  
Kaya S., Akmayan İ., Arasoğlu T., Eğri Ö., Derman S.  
2ND INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 28 - 29 June 2019, pp.711
- IV. **CAPE loaded PLGA nanoparticles conjugated with angiopep-2 peptide for targeting glioma**  
Bozkurt Y., Poyraz F. Ş., Acar T., Mansuroğlu B., Derman S.  
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.489
- V. **Angiopep-2 Peptidi ile Hedeflendirilmiş CAPE Yüklü PLGA Nanopartiküllerinin Sentezi ve Karakterizasyonu**  
POYRAZ F. Ş., Bozkurt Y., Acar T., DERMAN S., MANSUROĞLU B.  
IV. Yaşam Bilimleri Kongresi, Kayseri, Turkey, 22 February 2019, pp.43-44
- VI. **Production and Characterization of Sinapic Acid Loaded PLGA Nanoparticles**  
POYRAZ F. Ş., Akbaş G., DERMAN S., DURANOĞLU DİNÇER D., ARASOĞLU T., MANSUROĞLU B.  
4th International Congress on Applied Biological Sciences, Eskişehir, Turkey, 03 May 2018, pp.220
- VII. **Examination of the Antibiofilm Activity of Juglone-PLGA Nanoparticles**

- Gümüş B., Acar T., Atabey T., MANSUROĞLU B., DERMAN S., ARASOĞLU T.  
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- VIII. **(E)-1-(2,2-Dikloro-1-Fenilvinil)-2-Fenildiazin Yüklü Kitosan Nanopartiküllerinin Sentezi Ve Karakterizasyonu**  
Erkal Tuyji S. D., YÜCEL S., DERMAN S., PELİT ARAYICI P., Mustafaeva Z.  
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- IX. **The preparation of juglone nanostructures, coupled with magnetite nanoparticles, and investigation of their biological activity**  
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- X. **Sigara Bırakma Tedavisine Yönelik Etken Madde Yüklü PLGA Nanopartiküllerinin Hazırlanması Ve Karakterizasyonu**  
Karaçelik A., PELİT ARAYICI P., YÜCEL S., DERMAN S., MUSTAFAEVA Z., ŞAHİN Y. M.  
4. Biyomalzeme Günleri, Yalova, Turkey, 19 - 20 October 2017, pp.21
- XI. **2,4-Diklorofenoksiasetik Asit Yüklü PLGA Nanopartiküllerinin Karakterizasyonu, in vitro Salınımı ve Yonca Hücre Süspansiyon Kültürlerinde Biyokütleye Etkisinin İncelenmesi**  
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- XII. **İlaç Salımında Kullanılan Polimerik Nanopartiküller**  
Büyük N. İ., YÜCEL S., PELİT ARAYICI P., DERMAN S.  
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- XIII. **Sinapik Asit Yüklü Polimerik Nanopartiküller**  
POYRAZ F. Ş., DERMAN S., DURANOĞLU DİNÇER D., ERSÖZ M., ARASOĞLU T., MANSUROĞLU B.  
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- XIV. **Investigation of in vitro antioxidant activity of quercetin loaded PLGA nanoparticles**  
Uzunoglu D., ACAR T., MANSUROĞLU B., ARASOĞLU T., DERMAN S.  
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- XV. **Bioflavonoid encapsulated PLGA nanoparticles against Listeria monocytogenes**  
Gümüş B., ARASOĞLU T., Koçyiğit B., Uzunoglu D., MANSUROĞLU B., DERMAN S.  
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- XVI. **Effect of solvent and concentration on coating quality of dip coated polycaprolactone (PCL) on AZ91E alloy to reduce degradation rate**  
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2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 May 2016, pp.1
- XVII. **Biodegradable PLGA Nanoparticles As a Carrier For Antioxidant Catechin**  
TUNCER B., DERMAN S., MANSUROĞLU B.  
VII. Bioengineering Congress, İzmir, Turkey, 19 - 21 November 2015
- XVIII. **Diyabet Hastalığında Kateşin Yüklü Nanopartiküllerin Üretimi ve Karakterizasyonu**  
Tuncer B., Derman S., Mansuroğlu B.  
XXVII. Ulusal Biyokimya Kongresi, Antalya, Turkey, 3 - 06 November 2015, vol.40, pp.194
- XIX. **HAIR URINE AND SERUM SELENIUM STATUS IN PEDIATRIC CANCER PATIENTS**  
KARAMAN S., MANSUROĞLU B., KIZILBEY K., DERMAN S., HAZAR A. B.  
47th Congress of the International Society of Paediatric Oncology, 8 - 11 October 2015
- XX. **Chemically Modified Superoxide Dismutase Prevents Lipid Peroxidation and Improve Antioxidant Status in Streptozotocin-Induced Diabetes**  
Mansuroglu B., DERMAN S., YABA A., KIZILBEY K.  
3rd. International Molecular Biology Congress, 01 June 2014
- XXI. **Synthesis And Biological Evaluation of Superoxide Dismutase Enzyme Modified By**



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DERMAN S., Mansuroglu B., Yaba A., Kizilbey K.

3rd. International Molecular Biology Congress, 01 June 2014

- XXII. **THE EFFECT OF ALUMINUM ON THE BIODEGRADATION BEHAVIOR OF MAGNESIUM-BASED INDUSTRIAL CASTING ALLOYS IN SALINE**  
AKÇA C., DERMAN S., ACAR S., HAZAR A. B. , MANSUROĞLU B.  
23rd International Conference on Metallurgy and Materials METAL 2014, Brno, Czech Republic, 21 May 2014
- XXIII. **Canine Parvovirus (CPV) VP2 Synthetic Peptide-Polyacrylic Acid Conjugates: Synthesis and Characterization with Chromatographic Method**  
DERMAN S., AKDESTE Z.  
36th FEBS Congress, Torino, Italy, 25 June 2011, pp.221
- XXIV. **Synthesis And Characterization of Canine Parvovirus (CPV) VP2 71-20 Synthetic Peptide**  
DERMAN S., Akdeste Z.  
16th International Biomedical Science & Technology Symposium, 01 October 2010
- XXV. **Synthesis and physicochemical characterisation of hemoglobin anionic polyelectrolyte conjugates**  
MANSUROĞLU B., DERMAN S., KIZILBEY K., Akdeste Z. M.  
35th Congress of the Federation-of-European-Biochemical-Societies, Gothenburg, Sweden, 26 June - 01 July 2010, vol.277, pp.236
- XXVI. **Fluorometric definition of primary amines based on their reaction with fluorescamine**  
AKDESTE Z., KILINÇ Y., DERMAN S.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prag, Czech Republic, 04 July 2009, pp.173
- XXVII. **HPLC investigations of bovine serum albumin-VP/AA copolymer complexes and conjugates**  
Kizilbey K., DERMAN S., MANSUROĞLU B., Akdeste Z. M.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.146
- XXVIII. **Covalent conjugation of beta-estradiol with polymers by using thionyl chloride methods**  
DERMAN S., Kizilbey K., Akdeste Z.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.356
- XXIX. **Immunogenic Properties of VP1 Protein's Peptide Epitops of of Foot-and-Mouth Disease Virus (FMDV) Covalent Conjugates With Anionic N-Vinylpyrrolidone Copolymers**  
MANSUROĞLU B., DERMAN S., Akdeste Z. M.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.135-136
- XXX. **Progesterone-containing polyelectrolyte complexes**  
KIZILBEY K., DERMAN S., Akdeste Z. M.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.318
- XXXI. **Spectroscopic investigation of protein-anionic polyelectrolyte complexes and conjugates**  
DERMAN S., Kizilbey K., MANSUROĞLU B., Akdeste Z.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.135
- XXXII. **Fluorometric definition of primary amines based on their reaction with fluorescamine**  
Mustafaeva Z., Battal Y. B. , DERMAN S.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.173
- XXXIII. **HPLC and UV study of water soluble and insoluble complexes of human serum albumin with copolymer of VP/AA**  
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34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.136

- XXXIV. **Adjuvant properties of polyelectrolytes**  
Mansuroğlu B., Derman S., Kizilbey K., Akdeste Z. M.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009,  
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- XXXV. **Covalent Conjugation of Galactosidase Enzyme with Polyacrylic Acide**  
DERMAN S., YILMAZ E., AKDESTE Z., ÖZBEK B.  
International Enzyme Engineering Symposium (IEES'08), 1 - 05 October 2008, pp.75
- XXXVI. **Covalent Conjugation of Beta-Galactosidase Enzyme with Polyacrylic Acide**  
DERMAN S., DEMİRHAN YILMAZ E., Akdeste Z., ÖZBEK B.  
International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.75
- XXXVII. **Covalent Conjugation of Galactosidase Enzyme with Copolymers of Acrylic Acid and N Vinylpyrrolidone 2**  
DERMAN S., YILMAZ E., AKDESTE Z., ÖZBEK B.  
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- XXXVIII. **Covalent Conjugation of Beta-Galactosidase Enzyme with Copolymers of Acrylic Acid and N-Vinylpyrrolidone-2**  
DERMAN S., DEMİRHAN YILMAZ E., Akdeste Z., ÖZBEK B.  
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- XXXIX. **Size and Zeta Potential Analysis of Synthetic Peptide-Carrier Protein Conjugates Depend on the Time**  
DERMAN S., DALGAKIRAN E., AKDESTE Z.  
30th European Peptide Symposium, Helsinki, Finland, 31 August 2008, pp.1-2
- XL. **The fluorescence study of covalent conjugation of peptide epitopes of foot-and-mouth disease virus (FMDV) with anionic polyelectrolytes and bovine serum albumin**  
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Joint Conference of the 33rd FEBS Congress/11th IUBMB Conference, Athens, Greece, 28 June - 03 July 2008,  
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- XLI. **Şap Hastalığı Virüsünün Peptid Epitoplarının Serum Proteinleri İle Kovalent Konjugasyonu Ve Konjugatların Zetapotansiyel ve Boyut Analizi**  
DERMAN S.  
21. Ulusal Kimya Kongresi, 01 August 2007
- XLII. **Sentetik Peptidlerin Bovin Serum Albumin Proteini İle Kovalent Konjugasyonunun Fluoresans Spektrofotometre ile İncelenmesi**  
DERMAN S.  
X. Ulusal Spektroskopi Kongresi,, 01 July 2007
- XLIII. **Globular Makromoleküllerin Peptidler ile Bağlanma Mekanizması**  
DERMAN S., Akdeste Z. M. , Akdeste M. M.  
XX. Ulusal Kimya Kongresi, 01 September 2006

## Supported Projects

Arasoğlu T., Çadırcı E., Bayrak Ö. F. , Derman S., Topuzoğulları M., Özbil M., Karadayı Ş., Çınar İ., Karamiş M., TUBITAK Project, S. aureus hedefli, vankomisin ve oksasilin içeren nanoformülasyonların eldesi ve antibakteriyal etkinliğinin in vitro-in vivo değerlendirilmesi, 2020 - 2023  
DERMAN S., ARASOĞLU T., PELİT ARAYICI P., Çoksu İ., Acar T., UÇAR B., Project Supported by Higher Education Institutions, CAPE'nin Antimikrobiyal Aktivitesinin İyileştirilmesi İçin CAPE-Beta Siklodekstrin İnküzyon Kompleksleri, 2020 - 2022  
DERMAN S., IŞIK M., Project Supported by Higher Education Institutions, Nanoçöktürme Yöntemi ile Biyoaktif Polietilen Glikol- b Polikaprolakton Nanopartiküllerinin Üretimi, 2019 - 2022  
Derman S., Müslümanoğlu M. H. , Balık D., Arasoğlu T., Abamor E. Ş. , Topuzoğulları M., Vural Korkut Ş., Çakır Koç R., Mutlu Ö., Ata O., et al., Ministry of Health, COVID-19 Aşısında Kullanılmak Üzere Türkiye'nin Antijenik Peptid/Protein

Kütüphanelerinin Oluşturulması, Spesifik Antijenik Peptid/Proteinlerin Üretimi ve Aşı Formülasyonları Olarak Immün Yanıt Sonuçlarının Eldesi, 2020 - 2021

Derman S., Kahveci M. Ü. , Arasoğlu T., Bakırdöğen G., Project Supported by Higher Education Institutions, Enzime Duyarlı Polimerik İlaç Taşıyıcı Sistemlerin Geliştirilmesi ve Biyolojik Etkinliğinin İncelenmesi, 2019 - 2021

Pelit Arayıcı P., Derman S., Project Supported by Higher Education Institutions, Q Humma Hastalığına Karşı Aşı Modeli Oluşturulması Amacıyla Sentetik Polimerlerin Lipopolisakaritlerle Konjugatlarının Geliştirilmesi ve Yapıların İncelenmesi, 2016 - 2021

Derman S., Demirtaş Z., TUBITAK Project, KUERSETİN YÜKLÜ HSA NANOPARTİKÜLLERİNİN ÜRETİMİ VE ANTİOKSİDAN AKTİVİTELERİNİN İNCELENMESİ, 2019 - 2020

ÖZBEK T., Gümüş B., ATABEY T., DERMAN S., Project Supported by Higher Education Institutions, PLGA Enkapsüle Juglon Nanopartiküllerinin Antibiyofilm Aktivitesinin İncelenmesi, 2018 - 2020

DERMAN S., ACAR T., Project Supported by Higher Education Institutions, Ebola Virüsüne Ait Sentetik Peptid-Polimer Konjugatlarının ve Nanoformülasyonlarının Sentezi ve Karakterizasyonu, 2016 - 2020

DERMAN S., Kaya S., Project Supported by Higher Education Institutions, Biyoaktif Yara Örtü Malzemesi Üretimi ve Karakterizasyonu, 2019 - 2019

DERMAN S., Bozkurt Y., Project Supported by Higher Education Institutions, Kanser Tedavisine Yönelik Fonksiyonel Polimerik Nanopartiküller, 2019 - 2019

Derman S., Geyik F., TUBITAK Project, "Elektroegrilmiş PLGA [Poli (Laktik-ko-Glikolik Asit)] Temelli Yara Örtü Malzemesi Üretimi, Karakterizasyonu ve Antimikrobiyal Aktivitesinin İncelenmesi, 2018 - 2019

Derman S., Çoksu İ., TUBITAK Project, KETOKONAZOL YÜKLÜ PLGA NANOPARTİKÜLLERİNİN ÜRETİMİ VE ANTİFUNGAL AKTİVİTELERİNİN İNCELENMESİ, 2018 - 2019

Mansuroğlu B., Derman S., Duranoğlu Dinçer D., Arasoğlu T., TUBITAK Project, In Vitro Biyolojik Aktivite Çalışması: Sinapik Asit Yüklü Nanopartiküller, 2017 - 2019

DERMAN S., ERSÖZ M., Project Supported by Higher Education Institutions, C6 Glioma Hücrelerinde Quercetin Yüklü Nanopartiküllerin Toksikite ve Antioksidan Etkilerinin İncelenmesi, 2017 - 2019

Derman S., Özçimen D., Öcal Z., TUBITAK Project, Yıldız Teknik Üniversitesi Ar-Ge Strateji Belgesi (Biyomalzemeler), 2015 - 2018

MANSUROĞLU B., YABA UÇAR A., TÜRKOĞLU B., DERMAN S., Project Supported by Higher Education Institutions, Streptozotocin (STZ) ile İndüklenmiş Diyabetik Sıçanlarda Enkapsüle Kateşin Molekülünün Antioksidan Aktivitesinin İncelenmesi, 2015 - 2018

DERMAN S., Project Supported by Higher Education Institutions, Quercetin Yüklü Nanopartiküllerin Sentezi, Karakterizasyonu ve in-vitro Antioksidan Aktivitesinin Değerlendirilmesi, 2014 - 2018

PELİT ARAYICI P., DERMAN S., MANSUROĞLU B., Other Supported Projects, EBOLA virüs hastalığına karşı yeni nesil peptid aşı modellerinin geliştirilmesi, 2015 - 2017

Mansuroğlu B., Derman S., Kocaçalışkan İ., Arasoğlu T., TUBITAK Project, Antimikrobiyal Tedaviye Yönelik Olarak Juglon'un Biyoyumumluluğunun ve Biyoyararlanımının Artırılması, 2014 - 2017

Allahverdiyev A., Derman S., Abamor E. Ş. , Bağırova M., Akdeste Z., TUBITAK Project, L. Infantum'un Neden Olduğu Visseral Leishmaniasis'e Karşı Nanopartikül Temelli Aşı Formülasyonlarının Geliştirilmesi ve Koruyucu Etkilerinin Belirlenmesi, 2014 - 2017

Derman S., Mansuroğlu B., Project Supported by Higher Education Institutions, Enkapsüle Kateşin Molekülünün In Vitro Antioksidan Aktivitesinin Araştırılması, 2014 - 2016

Kılınç Y., Derman S., Pelit Arayıcı P., Akdeste Z., Project Supported by Higher Education Institutions, Viral Enfeksiyonlardan Koruyucu Yeni Nesil Peptid Aşı Modellerinin Geliştirilmesi, 2013 - 2016

DERMAN S., Project Supported by Higher Education Institutions, Kafeik Asit Fenetil Ester Yüklü Nanopartiküllerin Üretimi ve Antimikrobiyal Aktivitelerinin İncelenmesi, 2014 - 2015

Derman S., Mansuroğlu B., Kızılbey K., Altuğ T., Project Supported by Higher Education Institutions, Streptozotocin STZ ile diyabet oluşturulan sıçanlarda kimyasal olarak modifiye edilmiş Süperoksit Dismutazın SOD antioksidatif özelliklerinin incelenmesi ve geliştirilmesi, 2010 - 2013

DERMAN S., Project Supported by Higher Education Institutions, Canine Parvoviruse Ait Antijenik Özellikli Sentetik Peptidlerin Sentezi ve Biyokonjugatlarının Geliştirilmesi, 2011 - 2012

ÇAKIR KOÇ R., ELALMIŞ Y., KILINÇ Y., DERMAN S., KIZILBEY K., MANSUROĞLU B., DOĞRUYOL S., ALTIKATOĞLU YAPAÖZ

M., YÜKSELİCİ M. H. , MOLLAOĞLU ALTUNER H., et al, CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Biyomedikal Malzemeler ve Yapay Dokular, 2005 - 2010

### **Activities in Scientific Journals**

Bulletin of Biotechnology, Committee Member, 2020 - Continues

Characterization and Application of Nanomaterials, Committee Member, 2018 - Continues

Journal of Biomedical Science & Technology, Committee Member, 2017 - Continues

SF Journal of Nanochemistry and Nanotechnology, Committee Member, 2017 - Continues

Current Updates in Nanotechnology, Committee Member, 2016 - Continues

### **Memberships / Tasks in Scientific Organizations**

Turkish Biochemical Society, Member, 2012 - Continues

The Federation of European Biochemical Societies (FEBS), Member, 2009 - Continues

### **Scientific Refereeing**

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, SCI Journal, December 2019

TURKISH JOURNAL OF CHEMISTRY, SCI Journal, December 2019

Technopark, Yıldız Technical University, Turkey, December 2019

CIENCIA E AGROTECNOLOGIA, SCI Journal, November 2019

TUBITAK Project, 1002 - Quick Support Program, Turkey, November 2019

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, SCI Journal, October 2019

BRITISH JOURNAL OF PHARMACOLOGY, SCI Journal, August 2019

Technopark, Ege Üniversitesi Teknopark, Turkey, July 2019

TUBITAK Project, 1002 - Quick Support Program, Turkey, July 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, June 2019

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JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, SCI Journal, March 2019

Journal of Nanostructure in Chemistry, Other Indexed Journal, March 2019

TUBITAK Project, 1002 - Quick Support Program, Turkey, March 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Turkey, March 2019

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, February 2019

Technopark, Ege Üniversitesi Teknopark, Turkey, February 2019

TUBITAK Project, December 2018

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Cumhurbaşkanlığı Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı), Turkey, October 2018

European Journal of Pharmaceutics and Biopharmaceutics, SCI Journal, August 2018

BIOMEDICINE & PHARMACOTHERAPY, SCI Journal, August 2018

Drug Development Research, SCI Journal, August 2018

Journal of Agricultural and Food Chemistry, SCI Journal, May 2018

Journal of Agricultural and Food Chemistry, SCI Journal, March 2018

Project Supported by Higher Education Institutions, March 2018

Latin American Applied Research, SCI Journal, February 2018

TUBITAK Project, December 2017  
4rd International Conference on Agricultural and Biological Sciences, Other journals, November 2017  
International Journal of Immunopathology and Pharmacology, SCI Journal, October 2017  
Brazilian Journal of Chemical Engineering, SCI Journal, October 2017  
2nd International Mediterranean Science and Engineering Congress, Other journals, August 2017  
TUBITAK Project, May 2017  
Pharmaceutical Nanotechnology, Other Indexed Journal, April 2017  
Current Updates in Nanotechnology, Other Indexed Journal, April 2017  
Macedonian Journal of Chemistry and Chemical Engineering, SCI Journal, March 2017  
TUBITAK Project, March 2017  
Journal of Food Engineering, SCI Journal, February 2017  
Sigma, Mühendislik ve Fen Bilimleri Dergisi, Other Indexed Journal, January 2017  
Sigma, Mühendislik ve Fen Bilimleri Dergisi, Other Indexed Journal, October 2016  
Sigma, Mühendislik ve Fen Bilimleri Dergisi, Other Indexed Journal, August 2016  
1st International Mediterranean Science and Engineering Congress, Other journals, July 2016  
Nanotechnology, SCI Journal, June 2016  
12. 2. Ulusal Tarım Kongresi, Other Journals, January 2016  
Journal of Food Process Engineering, SCI Journal, September 2015  
Sigma, Mühendislik ve Fen Bilimleri Dergisi, Other Indexed Journal, April 2015  
Journal of Food Process Engineering, SCI Journal, April 2015  
Journal of Nanoparticle Research, SCI Journal, August 2014  
Journal of Nanoparticle Research, SCI Journal, June 2014  
Sigma, Mühendislik ve Fen Bilimleri Dergisi, Other Indexed Journal, July 2013  
Journal of Chemical Society of Pakistan, SCI Journal, May 2013  
Journal of the Chemical Society of Pakistan, SCI Journal, November 2012

## **Tasks In Event Organizations**

Derman S., 5. International Mediterranean Science and Engineering Congress, Scientific Congress, Antalya, Turkey, Nisan 2020  
Saraç Özkan A., San N., Şakar Daşdan D., Akyol E., Altıkatoğlu Yapaöz M., Uğraşkan V., Bilgi M., Işık B., Cankurtaran Ö., Derman S., et al., 31. Ulusal Kimya Kongresi, Scientific Congress, İstanbul, Turkey, Eylül 2019  
Derman S., 4. International Mediterranean Science and Engineering Congress, Scientific Congress, Antalya, Turkey, Nisan 2019  
Derman S., 3. International Mediterranean Science and Engineering Congress, Scientific Congress, Adana, Turkey, Ekim 2018  
Derman S., 4. International Conference on Agricultural and Biological Sciences, Bilim Kurulu Üyesi, Scientific Congress, Hangzhou, China, Haziran 2018  
Topuzoğulları M., Derman S., Yücel S., 6th National Bioengineering Student COngress, Scientific Congress, İstanbul, Turkey, Nisan 2018  
Derman S., 2. International Mediterranean Science and Engineering Congress (IMSEC), Scientific Congress, Adana, Turkey, Ekim 2017  
Derman S., 1st International Mediterranean Science and Engineering Congress (IMSEC), Scientific Congress, Adana, Turkey, Ekim 2016  
Derman S., International Workshop on "Bioengineering; Problems and Perspectives, Workshop Organization, İstanbul, Turkey, Ekim 2004

## **Scientific Research / Working Group Memberships**

Kahveci Research Group, İSTANBUL TEKNİK ÜNİVERSİTESİ, Türkiye, <https://kahvecimuk.wixsite.com/mukpolymer>, 2018 - Continues

Derman's Research Group, Yıldız Technical University, Türkiye, <https://www.dermanslab.com/>, 2017 - Continues

Hücre Kültür ve Doku Mühendisliği Laboratuvarı, YILDIZ TEKNİK ÜNİVERSİTESİ, Türkiye,

<http://www.bioeng.yildiz.edu.tr/hk/Web%20Sitelerim%20-%20Turkce/index.htm>, 2014 - Continues

## Metrics

Publication: 96

Citation (WoS): 486

Citation (Scopus): 532

H-Index (WoS): 13

H-Index (Scopus): 14

## Congress and Symposium Activities

6. Ulusal Biyomühendislik Öğrenci Kongresi, Session Moderator, İstanbul, Turkey, 2018

Biyomalzeme Çalıştayı, Moderator, İstanbul, Turkey, 2017

4. Biyomalzeme Günleri, Panelists, Yalova, Turkey, 2017

Nanoteknoloji Çalıştayı, Panelists, İstanbul, Turkey, 2017

## Scholarships

Congress Participation Scholarship, Other International Organizations, 2009 - Continues

Yurt İçi Bilimsel Etkinliklere Katılma Desteği, TÜBİTAK, 2009 - Continues

Yurt İçi Doktora Burs Programı, TÜBİTAK, 2006 - Continues

## Awards

DERMAN S., En İyi Poster Ödülü, IV. Yaşam Bilimleri Kongresi, February 2019

DERMAN S., Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, July 2018

DERMAN S., Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, August 2016

DERMAN S., En İyi Poster Ödülü, 27. Ulusal Biyokimya Kongresi, November 2015

DERMAN S., Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, November 2015

DERMAN S., Uluslararası Bilimsel Yayınları Teşvik Ödülü, Yıldız Teknik Üniversitesi, January 2012

DERMAN S., Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, June 2011