

Prof. Serap ACAR

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 ACAR 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.

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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 - 2022

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

Doctorate

Biyoteknoloji Mühendisliği, Doctorate, 2018 - 2019

Biyoteknoloji Mühendisliği, Doctorate, 2017 - 2018

Makromoleküler Malzemelerin Biyomühendisliği, Doctorate, 2017 - 2018

Biyonanoteknoloji, Doctorate, 2017 - 2018

Postgraduate

Biyopolimerler, Postgraduate, 2019 - 2020

Biyomühendislik Laboratuvarı Esasları-1, Postgraduate, 2018 - 2019

Biyomalzemeler Doku Etkileşimleri, Postgraduate, 2019 - 2020

Biyopolimerler, Postgraduate, 2018 - 2019, 2017 - 2018

Biyomalzeme Doku Etkileşimleri, Postgraduate, 2018 - 2019

Biyomühendislikte Laboratuvar Esasları I, Postgraduate, 2017 - 2018

Undergraduate

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

Mühendisler İçin Organik Kimya, Undergraduate, 2018 - 2019

Proje, Undergraduate, 2019 - 2020

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

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

Proje, Undergraduate, 2017 - 2018

Supervised Theses

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

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

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

Continues

- Derman S., Kahveci M. Ü., Hiyalüronik Asit Esaslı Mikro/Nano Boyutlu Antibakteriyel İlaç Taşıyıcı Sistemlerin Geliştirilmesi, Enzim Ve pH'a Duyarlılıklarının İncelenmesi, Doctorate, G.EROL(Student), 2024
- Topuzoğulları M., Acar S., Micelles from cationic polymers for drug delivery, Postgraduate, H.PAŞAOĞLU(Student), 2024
- Berber H., Acar S., Nanohibrit Katkılı Nanokompozit Hidrojellerin Sentezi Ve Kontrollü İlaç Salım Sistemlerinde Uygulanması, Postgraduate, G.ASLAN(Student), 2023
- Pelit Arayıcı P., Derman S., Production of Rifaximin Loaded Micelles and Evaluation of Biological Activity, Postgraduate, S.AR(Student), 2023
- Derman S., Günkara Ö. T., Antimikrobiyal aktivite gösterebilecek ilaç türevlerinin sentezi ve enkapsülasyonu, Postgraduate, S.BALTA(Student), 2023
- Derman S., Biyoaktif Doku İskelesi Üretimi ve AntimikrobiyalAktivitesinin Değerlendirilmesi, Doctorate, N.BONCUKÇU(Student), 2023
- Topuzoğulları M., Derman S., Electrospun antibacterial polymer-metal composites, Postgraduate, E.NUR(Student), 2023
- Derman S., Terapötik Taşıyıcı Olarak Kullanılabilecek Fonksiyonel Poli(Beta-Amino Ester)lerin Sentezi ve Karakterizasyonu, Doctorate, E.KAHVECİ(Student), 2023
- Derman S., Polimer Temelli Yara Örtü Malzemesi Üretimi ve Biyolojik Aktivitesinin Değerlendirilmesi, Postgraduate, C.GÜLCAN(Student), 2022
- Nalbantoğlu B., Derman S., Antimikrobiyal Peptid Konjugasyonu, Karakterizasyonu ve Biyolojik Aktivite Değerlendirilmesi, Postgraduate, Y.CAN(Student), 2022
- Derman S., Nanoçöktürme Yöntemi ile Biyoaktif Polietilenglikol (PEG)-b-Polikaprolacton (PCL) nanopartiküllerin üretimi, Postgraduate, M.İŞİK(Student), 2022
- Derman S., Çeşitli Bitki Ekstraktları Kullanılarak Yeşil Sentez Yöntemi ile Metalik Nanopartikül Üretimi ve Antioksidan Aktivitelerinin Değerlendirilmesi, Postgraduate, A.GENÇARSLAN(Student), 2021
- Derman S., Antimikrobiyal Doku İskelesinin Üretimi ve Karakterizasyonu, Postgraduate, E.Bahar(Student), 2021
- 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 to Academic Staff-Assistant Professorship, 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

- I. **Phage-inspired targeting of antibiotic-loaded polymeric micelles for enhanced therapeutic efficacy against monomicrobial sepsis**
ÖZBEK T., Demir H., DOKUZ S., TAŞDURMAZLI S., Ozbey U., Ozbil M., TOPUZOĞULLARI M., Cinar I., Karamese M., Karamese S. A., et al.
Journal of Controlled Release, vol.380, pp.773-786, 2025 (SCI-Expanded)
- II. **Practical SERS substrates by spray coating of silver solutions for deep learning-assisted sensitive antigen identification**
Sahin F., Demirel Şahin G., Camdal A., Akmayan İ., Ozbek T., Acar S., Onses M. S.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.707, 2025 (SCI-Expanded)
- III. **Manufacturing Radially Aligned PCL Nanofibers Reinforced With Sulfated Levan and Evaluation of its Biological Activity for Healing Tympanic Membrane Perforations**
Akgul B., Gulcan C., Tornaci S., ERGİNER HASKÖYLÜ M., TOKSOY ÖNER E., ABAMOR E. Ş., ACAR S., Allahverdiyev A. M.
Macromolecular Bioscience, vol.25, no.1, 2025 (SCI-Expanded)
- IV. **Antimicrobial, anti-biofouling, antioxidant, and biocompatible fabrics with high durability via green growth of trimetallic nanoparticles**
DEMİREL ŞAHİN G., Sahin F., BARLAS F. B., ÖNSE S. M. S., ACAR S.
Materials Today Communications, vol.41, 2024 (SCI-Expanded)
- V. **Micelles of poly[oligo(ethylene glycol) methacrylate] as delivery vehicles for zinc phthalocyanine photosensitizers**
Kara M., Kocaaga N., Akgul B., Abamor E. Ş., Erdoğan A., Topuzoğulları M., Acar S.
Nanotechnology, vol.35, no.47, 2024 (SCI-Expanded)
- VI. **RABV antigenic peptide loaded polymeric nanoparticle production, characterization, and preliminary investigation of its biological activity**
Bezir K., Pelit Arayıcı P., Akgül B., Abamor E. Ş., Acar S.
Nanotechnology, vol.36, no.2, 2024 (SCI-Expanded)
- VII. **Construction of recombinant Omp25 or EipB protein loaded PLGA nanovaccines for Brucellosis protection**
Akmayan I., Oztav S., Coksu I., ABAMOR E. Ş., ACAR S., ÖZBEK T.
Nanotechnology, vol.35, no.39, 2024 (SCI-Expanded)
- VIII. **Enhancing the treatment of Staphylococcus aureus infections: A nanosystem with including dual antimicrobial peptide**
Coksu I., DOKUZ S., Akgul B., ÖZBEK T., ABAMOR E. Ş., DURANOĞLU DİNÇER D., ACAR S.
Journal of Drug Delivery Science and Technology, vol.97, 2024 (SCI-Expanded)
- IX. **Enhanced antimicrobial potency and stability of juglone/ β -cyclodextrin inclusion complexes: a comparative study of formulation methods**
Pelit Arayıcı P., Acar T., Özbek T., Acar S.
Materials Research Express, vol.11, no.7, 2024 (SCI-Expanded)
- X. **Evaluation of Bacteriophage ϕ 11 host recognition protein and its host-binding peptides for diagnosing/targeting of Staphylococcus aureus infections**
Dokuz S., Taşdurmazlı S., Acar T., Duran G. N., Özdemir Ç., Özbey U., Özbil M., Karadayı Ş., Bayrak Ö. F., Acar S., et al.
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.64, no.2, 2024 (SCI-Expanded)

- XI. **Propolis-Loaded Poly(lactic-co-glycolic Acid) Nanofibers: An In Vitro Study**
Geyik F., Kaya S., Yilmaz D. E., Demirci H., Akmayan İ., ÖZBEK T., DERMAN S.
ACS Omega, vol.9, no.12, pp.14054-14062, 2024 (SCI-Expanded)
- XII. **Ketoconazole-loading strategy to improve antifungal activity and overcome cytotoxicity on human renal proximal tubular epithelial cells**
Coksu I., Bozkurt Y., Akmayan I., Demirci H., ÖZBEK T., ACAR S.
Nanotechnology, vol.35, no.11, 2024 (SCI-Expanded)
- XIII. **Fabrication of poly(β -amino ester) and hyaluronic acid based pH responsive nanocomplex as an antibiotic release system**
Bakirdogen G., Selcuk E., Sakhulubey Kahveci E. L., ÖZBEK T., DERMAN S., Kahveci M. Ü.
International Journal of Biological Macromolecules, vol.258, 2024 (SCI-Expanded)
- XIV. **Sinapic-Acid-Loaded Nanoparticles Optimized via Experimental Design Methods: Cytotoxic, Antiapoptotic, Antiproliferative, and Antioxidant Activity**
Poyraz F. Ş., Akbaş G., Duranoğlu D., Acar S., Mansuroğlu B., Ersöz M.
ACS Omega, 2024 (SCI-Expanded)
- XV. **Nonsmall-cell lung cancer treatment: current status of drug repurposing and nanoparticle-based drug delivery systems**
İnci T. G., DERMAN S., Turgut-Balik D.
Turkish Journal of Biology, vol.48, no.2, pp.112-132, 2024 (SCI-Expanded)
- XVI. **Host-Guest Interactions of Caffeic Acid Phenethyl Ester with β -Cyclodextrins: Preparation, Characterization, and In Vitro Antioxidant and Antibacterial Activity**
Acar T., PELİT ARAYICI P., Ucar B., Coksu I., TAŞDURMAZLI S., ÖZBEK T., DERMAN S.
ACS Omega, vol.9, no.3, pp.3625-3634, 2024 (SCI-Expanded)
- XVII. **Investigation of cellular and molecular mechanisms of caffeic acid phenethyl ester loaded nanoparticle systems in breast cancer cell lines**
Poyraz F. Ş., Colpan R. D., Derman S., Mansuroglu B., Erdemir A.
Process Biochemistry, vol.134, pp.32-43, 2023 (SCI-Expanded)
- XVIII. **A new strategy to achieve high antimicrobial activity: green synthesised silver nanoparticle formulations with Galium aparine and Helichrysum arenarium Nova strategija za postizanje visoke antimikrobne djelotvornosti: Zelena sinteza formulacija srebrnih nanočestica pomoću biljnih vrsta Galium aparine i Helichrysum arenarium**
Ozdemir C., Gencer M., Coksu I., ÖZBEK T., DERMAN S.
Arhiv za Higijenu Rada i Toksikologiju, vol.74, no.2, pp.90-98, 2023 (SCI-Expanded)
- XIX. **Design of a bactericidal hydrogel scaffold containing genipin crosslinked HF-18 peptide**
Boncukcu N., Akgul B., Akmayan I., Berber H., Abamor E. Ş., Özbek T., Derman S.
Biotechnology Progress, vol.39, no.2, 2023 (SCI-Expanded)
- XX. **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, vol.23, pp.4896-4908, 2022 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 Arayici P., Derman S.
NANOTECHNOLOGY, vol.32, no.48, 2021 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)

- XXV. **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)
- XXVI. **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 (SCI-Expanded)
- XXVII. **Development of lipopolysaccharide-polyoxidonium complexes and conjugates against the Q fever disease for application purpose of vaccine prototype**
Arayici P., Acar T., Karahan M., DERMAN S., Mustafaeva Z., Toman R.
Fresenius Environmental Bulletin, vol.29, no.12, pp.11349-11357, 2020 (SCI-Expanded)
- XXVIII. **Synthesis and characterization of catechin loaded nanoparticles and their evaluation for antimutagenic activity against S. Typhimurium strains**
Arasoglu T., TÜRKÖĞLU B., Akmayan I., MANSUROĞLU B., DERMAN S.
Fresenius Environmental Bulletin, vol.29, no.9, pp.7326-7334, 2020 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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)
- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **Enhanced antibacterial and antiparasitic activity of multifunctional polymeric nanoparticles**
Durak S., ARASOĞLU T., Ates S. C., DERMAN S.
NANOTECHNOLOGY, vol.31, no.17, 2020 (SCI-Expanded)
- XXXIV. **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 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **Antioxidant Activity and Hemocompatibility Study of Quercetin Loaded Plga Nanoparticles**
DERMAN S., Uzunoglu D., Acar T., ARASOĞLU T., Ucar S., Ozalp V. C., MANSUROĞLU B.
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.19, no.1, pp.424-435, 2020 (SCI-Expanded)
- XXXVII. **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 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **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 (SCI-Expanded)
- XL. **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)
- XLI. **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 (SCI-Expanded)
- XLII. **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 (SCI-Expanded)
- XLIII. **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 (SCI-Expanded)
- XLIV. **Synthesis, characterization and antibacterial activity of juglone encapsulated PLGA nanoparticles**
Arasoğlu T., Derman S., Mansuroğlu B., Yelkenci G., Kocyigit B., Gumus B., Acar T., Kocaçalışkan İ.
JOURNAL OF APPLIED MICROBIOLOGY, vol.123, pp.1407-1419, 2017 (SCI-Expanded)
- XLV. **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)
- XLVI. **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 (SCI-Expanded)
- XLVII. **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., Kocyigit B., Acar T., Kocaçalışkan İ.
Journal of Agricultural and Food Chemistry, vol.64, no.38, pp.7087-7094, 2016 (SCI-Expanded)
- XLVIII. **Comparative evaluation of antibacterial activity of caffeic acid phenethyl ester and PLGA nanoparticle formulation by different methods**
ARASOĞLU T., DERMAN S., MANSUROĞLU B.
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- XLIX. **HAIR, URINE AND SERUM SELENIUM STATUS IN PEDIATRIC CANCER PATIENTS**
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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

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Peer Reviews in Scientific Publications

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, SCI Journal, December 2019
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Tasks In Event Organizations

Derman S., 5. International Mediterranean Science and Engineering Congress, Scientific Congress, Antalya, Turkey, Nisan 2020

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Topuzoğulları M., Derman S., Yücel S., 6th National Bioengineering Student COngress, Scientific Congress, İstanbul, Turkey, Nisan 2018

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Biyomalzeme Çalıştayı, Moderator, İstanbul, Turkey, 2017

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Nanoteknoloji Çalıştayı, Panelists, İstanbul, Turkey, 2017

Scholarships

Congress Participation Scholarship, Other International Organizations, 2009 - Continues

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

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Awards

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

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

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

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