Prof.Dr. Serdar SEZER

Kişisel Bilgiler

Fax Telefonu: +90 246 237 1165
E-posta: serdarsezer@sdu.edu.tr
Web: https://www.sezerlab.com
Posta Adresi: Süleyman Demirel Üniversitesi, Tıp Fakültesi, Rejeneratif Tıp ABD Merkez/ISPARTA

Eğitim Bilgileri

Doktora, University of Oxford, Birleşik Krallık 2010 - 2011
Bütünleşik Doktora, Orta Doğu Teknik Üniversitesi, Türkiye 2002 - 2011

Araştırma Alanları

Tıp, Eczacılık, Meslek Bilimleri, Farmasötik Kimya, Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Biyomalzemeler, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Cannabidiol Negatively Regulates Androgenic Signal in Prostate Cancer Cells and Fine-Tunes the Tumorigenesis by Modulating Endoplasmic Reticulum-Associated Degradation, Unfolded Protein Response, and Autophagy**
ERZURUMLU Y., ÇATAKLI D., SEZER S.
Revista Brasileira de Farmacognosia, cilt.33, sa.2, ss.316-325, 2023 (SCI-Expanded)

II. **Biochemical, pharmacological, and toxicological attributes of caper (Capparis ovata) flowering buds and berries pickles**
Ozgun-Acar O., Celik-Turgut G., GÜNER H., Sezer S., ŞEN A.
FOOD SCIENCE & NUTRITION, cilt.10, sa.12, ss.4189-4200, 2022 (SCI-Expanded)

III. **Metallophthalocyanines derived with phenyl sulfide by bridging triazole using click chemistry: Synthesis, Computational Study, Redox Chemistry and Catalytic Activity**
KARACA H., DELİBAŞ N., Saglam S., Piskin H., SEZER S., HÖKELEK T., TEKER M.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1236, 2021 (SCI-Expanded)

IV. **Liposomal delivery systems for herbal extracts**
SÖĞÜT O., AYDEMİR SEZER Ü., SEZER S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.61, 2021 (SCI-Expanded)

V. **Zero-valent iron nanoparticles containing nanofiber scaffolds for nerve tissue engineering**
AYDEMİR SEZER Ü., Yavuz K. O., Ors G., Bay S., Aru B. A., SÖĞÜT O., Caglar T. A., BOZKURT M. R., Cagavi E. C., YANIKKAYA DEMİREL G., et al.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, cilt.14, sa.12, ss.1815-1826, 2020 (SCI-Expanded)

VI. **Cost-effective synthesis of polyricinoleate: Investigation of coating characteristics, in vitro degradation, and antibacterial activity**
Tonta M. M., AYDEMİR SEZER Ü., Olmez H., GÜREK A. G., SEZER S.

JOURNAL OF APPLIED POLYMER SCIENCE, cilt.136, sa.44, 2019 (SCI-Expanded)

VII. **Cytotoxicity, bactericidal and hemostatic evaluation of oxidized cellulose microparticles: Structure and oxidation degree approach**
AYDEMİR SEZER Ü., Sahin I., Aru B., Olmez H., YANIKKAYA DEMİREL G., SEZER S.
CARBOHYDRATE POLYMERS, cilt.219, ss.87-94, 2019 (SCI-Expanded)

VIII. **Process optimisation, biocompatibility and anti-cancer efficacy of curcumin loaded gelatine microparticles cross-linked with dialdeyhde carboxymethyl cellulose**
Kocer Z., Aru B., AYDEMİR SEZER Ü., YANIKKAYA DEMİREL G., Beker U., SEZER S.
JOURNAL OF MICROENCAPSULATION, cilt.36, sa.5, ss.485-499, 2019 (SCI-Expanded)

IX. **A versatile method for the synthesis of poly(glycolic acid): high solubility and tunable molecular weights**
Sanko V., Sahin I., AYDEMİR SEZER Ü., SEZER S.
POLYMER JOURNAL, cilt.51, sa.7, ss.637-647, 2019 (SCI-Expanded)

X. **Polypropylene composite hernia mesh with anti-adhesion layer composed of polycaprolactone and oxidized regenerated cellulose**
AYDEMİR SEZER Ü., Sanko V., Gulmez M., Aru B., Sayman E., Aktekin A., Aker F. V., YANIKKAYA DEMİREL G., SEZER S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.99, ss.1141-1152, 2019 (SCI-Expanded)

XI. **Oxidized regenerated cellulose cross-linked gelatin microparticles for rapid and biocompatible hemostasis: A versatile cross-linking agent**
SEZER U. A., KOCER Z., SAHIN I., Aru B., Demirel G. Y., SEZER S.
CARBOHYDRATE POLYMERS, cilt.200, ss.624-632, 2018 (SCI-Expanded)

XII. **Thiochalcone substituted phthalocyanines for dye-sensitized solar cells: Relation of optical and electrochemical properties for cell performance**
Karaca H., Sisman I., Guzel E., Sezer S., Selimoglu F., Ergezen B., Karaca M., Eyupoglu V.
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.10, ss.1606-1622, 2018 (SCI-Expanded)

XIII. **A Polypropylene-Integrated Bilayer Composite Mesh with Bactericidal and Antiadhesive Efficiency for Hernia Operations**
Aydemir Sezer U., SANKO V., GULMEZ M., SAYMAN E., Aru B., Yuksekdag Z. N., AKTEKIN A., VARDAR AKER F., Sezer S.
ACS Biomaterials Science and Engineering, cilt.3, sa.12, ss.3662-3674, 2017 (SCI-Expanded)

XIV. **Zero valent zinc nanoparticles promote neuroglial cell proliferation: A biodegradable and conductive filler candidate for nerve regeneration**
Sezer U. A., Ozturk K., Aru B., Demirel G. Y., Sezer S., Bozkurt M. R.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, cilt.28, sa.1, 2017 (SCI-Expanded)

XV. **Carboxymethyl cellulose/oxidized regenerated cellulose hydrogels as adhesion barriers: comparative study with different molecular weights and substitution degrees**
AKTEKIN A., SAHIN I., Aydemir Sezer U., GULMEZ M., OZKARA S., Sezer S.
Cellulose, cilt.23, sa.5, ss.3145-3156, 2016 (SCI-Expanded)

XVI. **Use of oxidized regenerated cellulose as bactericidal filler for food packaging applications**
Sezer U. A., Sanko V., Yuksekdag Z. N., Uzundag D., Sezer S.
CELLULOSE, cilt.23, sa.5, ss.3209-3219, 2016 (SCI-Expanded)

XVII. **Polyacrylamide-based semi-interpenetrating networks for entrapment of laccase and their use in azo dye decolorization**
Koklukaya S. Z., Sezer S., Aksoy S., HASIRCI N.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, cilt.63, sa.5, ss.699-707, 2016 (SCI-Expanded)

XVIII. **Synthesis characterization and metal sensing applications of novel chalcone substituted phthalocyanines**
Karaca H., Cayegil B., Sezer S.
SYNTHETIC METALS, cilt.215, ss.134-141, 2016 (SCI-Expanded)

XIX. **Combination of gelatin and tranexamic acid offers improved haemostasis and safe use on internal hemorrhage control**
Sezer U. A., Kocer Z., Aru B., Demirel G. Y., Gulmez M., Aktekin A., Ozkara S., Sezer S.
RSC ADVANCES, cilt.6, sa.97, ss.95189-95198, 2016 (SCI-Expanded)

XX. **Properties of Na-Montmorillonite and Cellulose Nanocrystal Reinforced Poly(butyl acrylate-co-methyl methacrylate) Nanocomposites**
Vatansever A., Dogan H., Inan T., Sezer S., Sirkecioğlu A.
POLYMER ENGINEERING AND SCIENCE, cilt.55, sa.12, ss.2922-2928, 2015 (SCI-Expanded)

XXI. **Development of Metal Ion Binded Oxidized Regenerated Cellulose Powder as Hemostatic Agent: A Comparative Study with in Vivo Performance**
Demirekin Z. B., Sezer U. A., Karatopuk D., Sezer S.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.54, sa.18, ss.4906-4914, 2015 (SCI-Expanded)

XXII. **Concise synthesis, electrochemistry and spectroelectrochemistry of phthalocyanines having triazole functionality**
Karaca H., Sezer S., Ozalp-Yaman S., TANYELİ C.
POLYHEDRON, cilt.72, ss.147-156, 2014 (SCI-Expanded)

XXIII. **Synthesis and biological evaluation of optically active conjugated gamma- and delta-lactone derivatives**
Sardan M., Sezer S., Gunel A., Akkaya M., TANYELİ C.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, cilt.22, sa.18, ss.5814-5818, 2012 (SCI-Expanded)

XXIV. **Stereoselective synthesis of optically active cyclopenta[c]pyridines and tetrahydropyridines**
Sezer S., Gumrukcu Y., Bakirci I., Unver M. Y., TANYELİ C.
TETRAHEDRON-ASYMMETRY, cilt.23, sa.9, ss.662-669, 2012 (SCI-Expanded)

XXV. **Synthesis of L-prolinol substituted novel optically active phthalocyanines**
Karaca H., Sezer S., TANYELİ C.
DYES AND PIGMENTS, cilt.90, sa.2, ss.100-105, 2011 (SCI-Expanded)

XXVI. **Stereoselective synthesis of optically active dihydrofurans and dihydropyrans via a ring closing metathesis reaction**
Cayir M., Demirci S., Sezer S., TANYELİ C.
TETRAHEDRON-ASYMMETRY, cilt.22, sa.11, ss.1161-1168, 2011 (SCI-Expanded)

XXVII. **Stereoselective synthesis of optically active cyclopenta[c]pyrans and cyclopenta[c]furans by the intramolecular Pauson-Khand reaction**
Sezer S., ŞAHİN E., TANYELİ C.
TETRAHEDRON-ASYMMETRY, cilt.21, sa.4, ss.476-485, 2010 (SCI-Expanded)

XXVIII. **Stereoselective synthesis of spirocyclic cyclopentapyrans by the Pauson-Khand reaction on camphor tethered enynes**
Sezer S., Gumrukcu Y., ŞAHİN E., TANYELİ C.
TETRAHEDRON-ASYMMETRY, cilt.19, sa.23, ss.2705-2710, 2008 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Evaluation of In Vivo Adhesion Properties of New Generation Polyglactin, Oxidized Regenerated Cellulose and Chitosan-Based Meshes for Hernia Surgery**
Gulmez M., Aktekin A., Aker F., Sanko V., SEZER S.
CUREUS, cilt.13, sa.10, 2021 (ESCI)

II. **A design achieved by coaxial electrospinning of polysulfone and sulfonated polysulfone as a core-shell structure to optimize mechanical strength and hemocompatibility**
AYDEMİR SEZER Ü., ARU B., DEMİREL G., SEZER S., öztürk k.
Surfaces and Interfaces, cilt.10, ss.176-187, 2018 (Scopus)

Kitap & Kitap Bölümleri

I. **Cellulose-based Hydrogels as Biomaterials**
AYDEMİR SEZER Ü., SEZER S., SANKO V., şahin i., KOCER Z., Öztürk K.
Cellulose-based superabsorbent hydrogels, İbrahim H. Mondal, Editör, Springer International Publishing, ss.1-27, 2019

II. **Cellulose- Based hydrogels as Biomaterials**
SEZER S., AYDEMİR SEZER Ü.
Cellulose-Based Superabsorbent Hydrogels, Ibrahim H. Mondal , Editör, Springer Nature Publishing Group, Cham, ss.1-27, 2018

III. **cellulose-based hydrogeks as biomaterials**
AYDEMİR SEZER Ü., SEZER S., SEZER S.
Cellulose-based superabsorbent hydrogels, Mondal İ. H., Editör, Springer Nature Publishing Group, Cham, ss.1-27, 2018

Metrikler

Yayın: 34
Atıf (WoS): 184
Atıf (Scopus): 197
H-İndeks (WoS): 9
H-İndeks (Scopus): 9