

## Doç. Dr. SELİN SAĞBAŞ SUNER

### Kişisel Bilgiler

İş Telefonu: [+90 286 218 0018](tel:+902862180018) Dahili: 22234

E-posta: [selinsagbassuner@comu.edu.tr](mailto:selinsagbassuner@comu.edu.tr)

Web: <https://avesis.comu.edu.tr/selinsagbassuner>

Posta Adresi: Çanakkale Onsekiz Mart Üniversitesi, Terzioğlu kampüsü, Fen Edebiyat Fakültesi, Kimya Bölümü

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-3524-0675

Publons / Web Of Science ResearcherID: U-5886-2019

ScopusID: 57205727564

Yoksis Araştırmacı ID: 304368

### Eğitim Bilgileri

Doktora, Çanakkale Onsekiz Mart Üniversitesi, Fen Edebiyat Fakültesi, Kimya , Türkiye 2011 - 2018

Yüksek Lisans, Çanakkale Onsekiz Mart Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji , Türkiye 2008 - 2011

Lisans, Çanakkale Onsekiz Mart Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji , Türkiye 2004 - 2008

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Biyomedikal Uygulamalar için Ksantan, Guar, Arabik, Locust Bean Gamlardan Makro, Mikro ve Nano Yapılar, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, Kimya , 2018

Yüksek Lisans, Çanakkale Boğazındaki (Çanakkale, Türkiye) bazı kırmızı alglerde agar miktarının yıllık değişimi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji , 2011

### Araştırma Alanları

Kimya, Biyokimya, Biyopolimerler ve uygulamaları, Temel Bilimler

### Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Çanakkale Onsekiz Mart Üniversitesi, Fen Fakültesi, Kimya, 2019 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Highly re-usable porous carbon-based particles as adsorbents for the development of CO2 capture technologies

Ari B., Sunol A. K., ŞAHİNER N.

Journal of CO2 Utilization, cilt.82, 2024 (SCI-Expanded)

- II. **Amine-modified halloysite nanotube embedded PEI cryogels as adsorbent nanoarchitectonics for recovery of valuable phenolic compounds from olive mill wastewater**  
Demirci S., Suner S. S., YILMAZ S., Bagdat S., Tokay F., ŞAHİNER N.  
Applied Clay Science, cilt.249, 2024 (SCI-Expanded)
- III. **B, P, and S heteroatom doped, bio- and hemo-compatible 2D graphitic-carbon nitride (g-C3N4) with antioxidant, light-induced antibacterial, and bioimaging endeavors**  
Demirci S., Suner S. S., Neli O. U., KOCA A., ŞAHİNER N.  
Nanotechnology, cilt.35, sa.2, 2023 (SCI-Expanded)
- IV. **Rapid Pathogen Purge by Photosensitive Arginine–Riboflavin Carbon Dots without Toxicity**  
SUNER S. C., Bhethanabotla V. R., Ayyala R. S., ŞAHİNER N.  
Materials, cilt.16, sa.19, 2023 (SCI-Expanded)
- V. **Super-Macroporous Pullulan Cryogels as Controlled Active Delivery Systems with Controlled Degradability**  
Ari B., Sahiner M., Sağbaş Suner S., Demirci S., Sahiner N.  
Micromachines, cilt.14, sa.7, 2023 (SCI-Expanded)
- VI. **Degradable, biocompatible, and antibacterial polygalacturonic acid/polyethyleneimine polyplex particles**  
Suner S. S.  
Polymers for Advanced Technologies, cilt.34, sa.6, ss.2001-2009, 2023 (SCI-Expanded)
- VII. **Physically Crosslinked Chondroitin Sulfate (CS)–Metal Ion (M: Fe(III), Gd(III), Zn(II), and Cu(II)) Particles for Versatile Applications and Their Biosafety**  
SUNER S. C., ŞAHİNER M., UMUT E., Ayyala R. S., ŞAHİNER N.  
Pharmaceuticals, cilt.16, sa.4, 2023 (SCI-Expanded)
- VIII. **Light-Activated Modified Arginine Carbon Dots as Antibacterial Particles**  
SAĞBAŞ SUNER S., ŞAHİNER M., YILMAZ S., Ayyala R. S., ŞAHİNER N.  
CATALYSTS, cilt.12, sa.11, 2022 (SCI-Expanded)
- IX. **Polyelectrolyte Chondroitin Sulfate Microgels as a Carrier Material for Rosmarinic Acid and Their Antioxidant Ability**  
ŞAHİNER M., SAĞBAŞ SUNER S., YILMAZ S., ŞAHİNER N.  
POLYMERS, cilt.14, sa.20, 2022 (SCI-Expanded)
- X. **Degradable poly(catechin) nanoparticles as a versatile therapeutic agent**  
SUNER S. C., ŞAHİNER M., Mohapatra S., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, cilt.71, sa.14, ss.1104-1115, 2022 (SCI-Expanded)
- XI. **Polymeric ionic liquid forms of PEI microgels as catalysts for hydrogen production via sodium borohydride methanolysis**  
Demirci S., Suner S., Yıldız M., Sahiner N.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.360, 2022 (SCI-Expanded)
- XII. **Degradable and Non-Degradable Chondroitin Sulfate Particles with the Controlled Antibiotic Release for Bacterial Infections**  
Suner S., ŞAHİNER M., Ayyala R. S., ŞAHİNER N.  
PHARMACEUTICS, cilt.14, sa.8, 2022 (SCI-Expanded)
- XIII. **Thiourea-Isocyanate-Based Covalent Organic Frameworks with Tunable Surface Charge and Surface Area for Methylene Blue and Methyl Orange Removal from Aqueous Media**  
SUNER S. C., Demirci S., SÜTEKİN S. D., YILMAZ S., ŞAHİNER N.  
Micromachines, cilt.13, sa.6, 2022 (SCI-Expanded)
- XIV. **Biocompatible poly(galacturonic acid) micro/nanogels with controllable degradation via tunable chemical crosslinking**  
SUNER S. C., Ari B., SÜTEKİN S. D., ŞAHİNER N.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.201, ss.351-363, 2022 (SCI-Expanded)

- XV. **Hyaluronic acid (HA)-Gd(III) and HA-Fe(III) microgels as MRI contrast enhancing agents**  
ŞAHİNER N., UMUT E., Suner S., ŞAHİNER M., Culha M., Ayyala R. S.  
CARBOHYDRATE POLYMERS, cilt.277, 2022 (SCI-Expanded)
- XVI. **Versatile Fluorescent Carbon Dots from Citric Acid and Cysteine with Antimicrobial, Anti-biofilm, Antioxidant, and AChE Enzyme Inhibition Capabilities**  
Suner S., ŞAHİNER M., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.  
JOURNAL OF FLUORESCENCE, cilt.31, sa.6, ss.1705-1717, 2021 (SCI-Expanded)
- XVII. **Improved Biomedical Properties of Polydopamine-Coated Carbon Nanotubes**  
Demirci S., ŞAHİNER M., Suner S. S., ŞAHİNER N.  
MICROMACHINES, cilt.12, sa.11, 2021 (SCI-Expanded)
- XVIII. **A polyphenolic biomacromolecule prepared from a flavonoid: Catechin as degradable microparticles**  
Suner S. S., Mohapatra S., Ayyala R. S., Brethanabotla V. R., ŞAHİNER N.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.138, sa.24, 2021 (SCI-Expanded)
- XIX. **HA particles as resourceful cancer, steroidal and antibiotic drug delivery device with sustainable and multiple drug release capability**  
Sahiner N., Suner S., Kurt S. B., Can M., Ayyala R. S.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.58, sa.3, ss.145-155, 2021 (SCI-Expanded)
- XX. **Biocompatible macro, micro and nano scale guar gum hydrogels and their protein absorption capacity**  
Suner S., ŞAHİNER N.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.57, sa.12, ss.810-818, 2020 (SCI-Expanded)
- XXI. **Preparation of hyaluronic acid and copolymeric hyaluronic acid: sucrose particles as tunable antibiotic carriers**  
Sahiner N., Suner S., Ayyala R. S.  
JOURNAL OF POLYMER RESEARCH, cilt.27, sa.7, 2020 (SCI-Expanded)
- XXII. **Delivery of Small Molecule EF2 Kinase Inhibitor for Breast and Pancreatic Cancer Cells Using Hyaluronic Acid Based Nanogels**  
Cömert Önder F., Sağbaş Suner S., Şahiner N., Ay M., Ozpolat B.  
PHARMACEUTICAL RESEARCH, cilt.37, sa.3, 2020 (SCI-Expanded)
- XXIII. **Antimicrobial activity and biocompatibility of slow-release hyaluronic acid-antibiotic conjugated particles**  
Zhang Z., Suner S., Blake D. A., Ayyala R. S., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.576, 2020 (SCI-Expanded)
- XXIV. **Functionalization of halloysite nanotubes with polyethyleneimine and various ionic liquid forms with antimicrobial activity**  
Suner S., ŞAHİNER M., AKÇALI A., ŞAHİNER N.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.137, sa.6, 2020 (SCI-Expanded)
- XXV. **Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications**  
ŞAHİNER N., Suner S., ŞAHİNER M., SILAN C.  
JOURNAL OF FLUORESCENCE, cilt.29, sa.5, ss.1191-1200, 2019 (SCI-Expanded)
- XXVI. **Enhancement of biocompatibility and carbohydrate absorption control potential of rosmarinic acid through crosslinking into microparticles**  
ŞAHİNER M., Blake D. A., Fullerton M. L., SUNER S. C., SUNOL A. K., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.137, ss.836-843, 2019 (SCI-Expanded)
- XXVII. **Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue engineering**  
SUNER S. C., DEMIRCI S., Yetiskin B., FAKHRULLIN R., NAUMENKO E., Okay O., Ayyala R. S., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.130, ss.627-635, 2019 (SCI-Expanded)

- XXVIII. **Mesoporous, degradable hyaluronic acid microparticles for sustainable drug delivery application**  
ŞAHİNER N., SUNER S. C., Ayyala R. S.  
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.177, ss.284-293, 2019 (SCI-Expanded)
- XXIX. **Hyaluronic acid and hyaluronic acid: Sucrose nanogels for hydrophobic cancer drug delivery**  
SUNER S. S., Arı B., CÖMERT ÖNDER F., ÖZPOLAT B., AY M., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.126, ss.1150-1157, 2019 (SCI-Expanded)
- XXX. **Use of modified poly(inulin) micro/nanogels in drug release and blood compatibility tests Modifiye poli(inülin) mikro/nanojellerinin ilaç salımında kullanımı ve kan uyumluluklarının tespiti**  
ÜLKER ÇAKIR D., SAĞBAŞ SUNER S., ŞAHİNER N.  
Türkiye Klinikleri Journal of Medical Sciences, cilt.39, sa.1, ss.75-82, 2019 (SCI-Expanded)
- XXXI. **Fabrication of Biodegradable Poly(naringin) Particles with Antioxidant Activity and Low Toxicity**  
Sahiner M., ŞAHİNER N., Sagbas S., FULLERTON M. L., BLAKE D. A.  
ACS Omega, cilt.3, sa.12, ss.17359-17367, 2018 (SCI-Expanded)
- XXXII. **Polydopamine particles as nontoxic, blood compatible, antioxidant and drug delivery materials**  
Sahiner N., Sagbas S., ŞAHİNER M., BLAKE D. A., REED W. F.  
Colloids and Surfaces B: Biointerfaces, cilt.172, ss.618-626, 2018 (SCI-Expanded)
- XXXIII. **Modifiable natural gum based microgel capsules as sustainable drug delivery systems**  
Sagbas S., ŞAHİNER N.  
Carbohydrate Polymers, cilt.200, ss.128-136, 2018 (SCI-Expanded)
- XXXIV. **Graphene Oxide Embedded P(4-VP) Cryogel Composites for Fast Dye Removal/Separations**  
ŞAHİNER N., YILDIZ S., Sagbas S.  
POLYMER COMPOSITES, cilt.39, sa.5, ss.1694-1703, 2018 (SCI-Expanded)
- XXXV. **Polymeric ionic liquid materials derived from natural source for adsorption purpose**  
ŞAHİNER N., SAĞBAŞ SUNER S.  
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.196, ss.208-216, 2018 (SCI-Expanded)
- XXXVI. **Sucrose based ionic liquid colloidal microgels in separation of biomacromolecules**  
ŞAHİNER N., SAĞBAŞ SUNER S.  
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.196, ss.191-199, 2018 (SCI-Expanded)
- XXXVII. **Humic acid particle embedded super porous gum Arabic cryogel network for versatile use**  
SUNER S. S., ŞAHİNER N.  
Polymers for Advanced Technologies, cilt.29, sa.1, ss.151-159, 2018 (SCI-Expanded)
- XXXVIII. **Synthesis, Characterization, and Use of Carbon Microspheres for Removal of Different Dyes from Aqueous Environments**  
ŞAHİNER N., FAROOQ M., REHMAN S. U., Sağbaş S., Sahiner M., SIDDIQ M., Aktaş N.  
WATER AIR AND SOIL POLLUTION, cilt.228, sa.10, 2017 (SCI-Expanded)
- XXXIX. **Superporous hyaluronic acid cryogel composites embedding synthetic polyethyleneimine microgels and Halloysite Nanotubes as natural clay**  
DEMIRCI S., SUNER S. S., Sahiner M., ŞAHİNER N.  
European Polymer Journal, cilt.93, ss.775-784, 2017 (SCI-Expanded)
- XL. **Gum Arabic Microgels As Template for In Situ Metal-Sulfide Based Quantum Dots Preparation and Their Thermal, Spectroscopic, Optical, and Magnetic Characterization**  
FAROOQ M., Sağbaş S., YILDIZ M., Meral K., SIDDIQ M., Aktaş N., ŞAHİNER N.  
JOURNAL OF ELECTRONIC MATERIALS, cilt.46, sa.7, ss.4373-4383, 2017 (SCI-Expanded)
- XLI. **Polymeric ionic liquid materials derived from natural source for adsorption purpose**  
ŞAHİNER N., Sagbas S.  
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.196, ss.208-216, 2017 (SCI-Expanded)
- XLII. **Polyethyleneimine modified poly(Hyaluronic acid) particles with controllable antimicrobial and anticancer effects**  
Sahiner N., Sagbas S., Sahiner M., Ayyala R. S.  
Carbohydrate Polymers, cilt.159, ss.29-38, 2017 (SCI-Expanded)
- XLIII. **Synthesis, characterization and modification of Gum Arabic microgels for hemocompatibility and**

#### **antimicrobial studies**

Farooq M., Sagbas S., Sahiner M., Siddiq M., Turk M., Aktaş N., ŞAHİNER N.  
Carbohydrate Polymers, cilt.156, ss.380-389, 2017 (SCI-Expanded)

- XLIV. **P(TA) macro-, micro-, nanoparticle-embedded super porous p(HEMA) cryogels as wound dressing material**  
ŞAHİNER N., Sagbas S., Sahiner M., SILAN C.  
Materials Science and Engineering C, cilt.70, ss.317-326, 2017 (SCI-Expanded)
- XLV. **Degradable tannic acid/polyethyleneimine polyplex particles with highly antioxidant and antimicrobial effects**  
ŞAHİNER N., Sağbaş S., Sahiner M., DEMIRCI S.  
POLYMER DEGRADATION AND STABILITY, cilt.133, ss.152-161, 2016 (SCI-Expanded)
- XLVI. **Preparation of macro-, micro-, and nano-sized poly(Tannic acid) particles with controllable degradability and multiple biomedical uses**  
ŞAHİNER N., Sagbas S., Aktaş N.  
Polymer Degradation and Stability, cilt.129, ss.96-105, 2016 (SCI-Expanded)
- XLVII. **Graphene Oxide Embedded P(4-VP) CryogelComposites for Fast Dye Removal/Separations**  
ŞAHİNER N., Yildiz S., Sagbas S.  
POLYMER COMPOSITES, cilt.39, ss.1694-1703, 2016 (SCI-Expanded)
- XLVIII. **Inherently antioxidant and antimicrobial tannic acid release from poly(tannic acid) nanoparticles with controllable degradability**  
ŞAHİNER N., Sagbas S., Aktaş N., SILAN C.  
Colloids and Surfaces B: Biointerfaces, cilt.142, ss.334-343, 2016 (SCI-Expanded)
- XLIX. **Preparation and characterization of monodisperse, mesoporous natural poly(tannic acid)-silica nanoparticle composites with antioxidant properties**  
ŞAHİNER N., Sagbas S., Aktaş N.  
Microporous and Mesoporous Materials, cilt.226, ss.316-324, 2016 (SCI-Expanded)
- L. **Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties**  
ŞAHİNER N., Sağbaş S., Sahiner M., SILAN C., Aktaş N., Turk M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.82, ss.150-159, 2016 (SCI-Expanded)
- LI. **Modified biofunctional p(tannic acid) microgels and their antimicrobial activity**  
SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.  
APPLIED SURFACE SCIENCE, cilt.354, ss.306-313, 2015 (SCI-Expanded)
- LII. **p(AAm/TA)-based IPN hydrogel films with antimicrobial and antioxidant properties for biomedical applications**  
Sahiner M., SAĞBAŞ SUNER S., BİTLİSLİ B. O.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.132, sa.16, 2015 (SCI-Expanded)
- LIII. **Single step natural poly(tannic acid) particle preparation as multitaled biomaterial**  
ŞAHİNER N., Sağbaş S., Aktaş N.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.49, ss.824-834, 2015 (SCI-Expanded)
- LIV. **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**  
ŞAHİNER N., SAĞBAŞ SUNER S., Sahiner M., Aktaş N.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.249, 2015 (SCI-Expanded)
- LV. **Very fast catalytic reduction of 4-nitrophenol, methylene blue and eosin Y in natural waters using green chemistry: p(tannic acid)-Cu ionic liquid composites**  
ŞAHİNER N., Sağbaş S., Aktaş N.  
RSC ADVANCES, cilt.5, sa.24, ss.18183-18195, 2015 (SCI-Expanded)
- LVI. **Multifunctional tunable p(inulin) microgels**  
ŞAHİNER N., Sağbaş S.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.40, ss.366-372, 2014

(SCI-Expanded)

- LVII. Poly(sucrose) micro particles preparation and their use as biomaterials**  
ŞAHİNER N., Sağbaş S., Turk M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.66, ss.236-244, 2014 (SCI-Expanded)
- LVIII. Preparation of Poly(Humic Acid) Particles and Their Use in Toxic Organo-Phenolic Compound Removal from Aqueous Environments**  
Sağbaş S., KANTAR Ç., ŞAHİNER N.  
WATER AIR AND SOIL POLLUTION, cilt.225, sa.1, 2014 (SCI-Expanded)
- LIX. The use of poly(vinyl phosphonic acid) microgels for the preparation of inherently magnetic Co metal catalyst particles in hydrogen production**  
ŞAHİNER N., SAGBAS S.  
JOURNAL OF POWER SOURCES, cilt.246, ss.55-62, 2014 (SCI-Expanded)
- LX. The preparation of poly(vinyl phosphonic acid) hydrogels as new functional materials for in situ metal nanoparticle preparation**  
ŞAHİNER N., Sağbaş S.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.418, ss.76-83, 2013 (SCI-Expanded)
- LXI. A novel p(AAm-co-VPA) hydrogel for the Co and Ni nanoparticle preparation and their use in hydrogel generation from NaBH<sub>4</sub>**  
Sağbaş S., ŞAHİNER N.  
FUEL PROCESSING TECHNOLOGY, cilt.104, ss.31-36, 2012 (SCI-Expanded)
- LXII. Tunable poly(2-acrylamido-2-methyl-1-propan sulfonic acid) based microgels with better catalytic performances for Co and Ni nanoparticle preparation and their use in hydrogen generation from NaBH<sub>4</sub>**  
Sağbaş S., ŞAHİNER N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.37, sa.24, ss.18944-18951, 2012 (SCI-Expanded)
- LXIII. Porous and modified HA particles as potential drug delivery systems**  
ŞAHİNER N., SILAN C., SAĞBAŞ S., ILGİN P., BÜTÜN S., ERDUĞAN H., Ayyala R. S.  
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.155, ss.124-130, 2012 (SCI-Expanded)
- LXIV. Modifiable chemically crosslinked poli(kappa-carrageenan) particles**  
Sağbaş S., Bütün S., ŞAHİNER N.  
CARBOHYDRATE POLYMERS, cilt.87, sa.4, ss.2718-2724, 2012 (SCI-Expanded)
- LXV. The utilization smart hydrogels and composites with controllable porosity in the preparation of metal nanocatalyst**  
ŞAHİNER N., ÖZAY Ö., SAĞBAŞ SUNER S., YAŞAR A. Ö., AKTAŞ N.  
NANOTECHNOLOGY, cilt.3, ss.591-594, 2012 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. Nontoxic Natural Polymeric Particle Vehicles Derived from Hyaluronic Acid and Mannitol as Mitomycin C Carriers for Bladder Cancer Treatment**  
ŞAHİNER N., Ayyala R. S., SUNER S.  
ACS Applied Bio Materials, cilt.5, sa.12, ss.5554-5566, 2022 (ESCI)
- II. Fungal Keratitis Treatment Using Drug-Loaded Hyaluronic Acid Microgels**  
Ayyala R. S., Suner S., Bhethanabotla V. R., ŞAHİNER N.  
ACS APPLIED BIO MATERIALS, 2022 (ESCI)
- III. Poly(Vinylamine) Derived N-Doped C-Dots with Antimicrobial and Antibiofilm Activities**  
SÜTEKİN S. D., ŞAHİNER M., Suner S. S., Demirci S., Guven O., ŞAHİNER N.  
C-JOURNAL OF CARBON RESEARCH, cilt.7, sa.2, 2021 (ESCI)
- IV. Poli(Rutin) micro/nanogels for biomedical applications**

ŞAHİNER M., SAGBAS S.

Hittite Journal of Science & Engineering, cilt.8, sa.2, ss.179-187, 2021 (Hakemli Dergi)

- V. **Quercetin particles with lower inhibitory activity for  $\alpha$ -glycosidase and negligible effects on blood clotting**

Şahiner M., Sagbas Suner S.

Journal of the Turkish Chemical Society Section A: Chemistry, cilt.8, sa.2, ss.443-452, 2021 (Scopus)

- VI. **Nitrogen-Doped Arginine Carbon Dots and Its Metal Nanoparticle Composites as Antibacterial Agent**

Suner S., ŞAHİNER M., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.

C-JOURNAL OF CARBON RESEARCH, cilt.6, sa.3, 2020 (ESCI)

- VII. **Preparation of Macrocorpus Carboxymethyl Cellulose Cryogels and Its Blood Compability**

ŞAHİNER N., SAĞBAŞ SUNER S., TOSUNOĞLU M.

MRS Advances, sa.4, 2019 (Scopus)

- VIII. **Degradable natural phenolic based particles with micro-and nano-size range**

Sahiner N., Sagbas S., ŞAHİNER M., Aktaş N.

Recent Patents on Materials Science, cilt.11, sa.1, ss.33-40, 2018 (Scopus)

- IX. **Yara Kaplama Malzemesi olarak Kollajen Esaslı Hidrojel Filmleri**

ŞAHİNER M., SAĞBAŞ SUNER S., TURAN A., ERDUĞAN H., ŞAHİNER N.

Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.4, sa.2, ss.103-116, 2018 (Hakemli Dergi)

- X. **Microgels Derived from Different Forms of Carrageenans, Kappa, Iota, and Lambda for Biomedical Applications**

ŞAHİNER N., Sağbaş S., YILMAZ S.

MRS ADVANCES, cilt.2, sa.47, ss.2521-2527, 2017 (ESCI)

- XI. **Synthesis and Properties of Inulin Based Microgels**

ŞAHİNER N., Sagbas S., YOSHIDA H., LYON L. A.

Colloids and Interface Science Communications, cilt.2, ss.15-18, 2014 (Scopus)

## Kitap & Kitap Bölümleri

- I. **Tunable Biopolymeric Drug Carrier Nanovehicles and Their Safety**

Sağbaş Suner S., Ari B., Demirci Ş., Şahiner N.

Nano Medicine and Nano Safety, Malay K. Das, Yashwant V. Pathak, Editör, Springer, London/Berlin , Singapore, ss.405-432, 2020

- II. **Carbon dots: preparation, properties, and application**

SAĞBAŞ SUNER S., ŞAHİNER N.

Nanocarbon and its Composites, Anish Khan, Mohammas Jawaid, Inamuddin, Abdullah Mohamed Asiri, Editör, Woodhead Publishing Limited , Cambridge, ss.651-676, 2019

- III. **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**

BUTUN S., DEMİRCİ S., Yaşar A. Ö., SAĞBAŞ SUNER S., AKTAS N., ŞAHİNER N.

Morphological, Compositional, and Shape Control of Materials for Catalysis, Paolo Fornasiero, Matteo Cargnello, Editör, Elsevier Science, Oxford/Amsterdam , Amsterdam, ss.317-357, 2017

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Effects of Single-, Dual-, and Multi-Heteroatom Doping on Photodynamic Antimicrobial Activities of Carbon Dots**

SAĞBAŞ SUNER S., DEMİRCİ Ş., ŞAHİNER M., AKÇALI A., ŞAHİNER N.

266th National Fall Meeting of the American Chemical Society (ACS), 13 - 17 Ağustos 2023

- II. **The adsorption study of oleuropein using functionalized Halloysite Nanotubes as adsorbents**

SAĞBAŞ SUNER S., DEMİRCİ Ş., TOKAY F., BAĞDAT S., YILMAZ S., ŞAHİNER N.

8th International Conference on New Trends in Chemistry, GAZİ MAGOSA, Kıbrıs (Kktc), 16 Mayıs 2022

- III. **Non-toxic and hemocompatibility nanocarriers derived from polygalacturonic acid for sustainable drug delivery**  
SAĞBAŞ SUNER S.  
8th International Conference on New Trends in Chemistry, 16 - 18 Mayıs 2022
- IV. **Biyomedikal Uygulamalar için Gam Esaslı Mikrojellerin Sentezlenmesi ve Karakterizasyonu**  
SAĞBAŞ SUNER S., ŞAHİNER N.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, 9 - 12 Eylül 2018
- V. **In vitro drug release studies for the treatment of TNBC and pancreatic cancers from natural derivated polymeric micro- and nano-particles**  
CÖMERT ÖNDER F., SAĞBAŞ SUNER S., AY M., Ozpolat B., ŞAHİNER N.  
255th National Spring Meeting of the American Chemical Society (ACS), NEW ORLEANS, Amerika Birleşik Devletleri, 18 - 22 Mart 2018
- VI. **Microgels from xanthan gum and locust bean gum for potential biomedical applications**  
SAĞBAŞ SUNER S., SILAN C., ŞAHİNER N.  
255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
- VII. **Amino acid derived multifunctional N-, S-doped carbon dots for biomedical applications**  
SAĞBAŞ SUNER S., SILAN C., ŞAHİNER N.  
255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
- VIII. **Micro/nanoparticles prepared from kappa-, iota-, and lambda-carrageenan for versatile use**  
ŞAHİNER N., SAĞBAŞ SUNER S., Yılmaz S.  
253rd National Meeting of the American-Chemical-Society (ACS) on Advanced Materials, Technologies, Systems, and Processes, San-Francisco, Kostarika, 2 - 06 Nisan 2017, cilt.253
- IX. **Degradable macro-, micro- and nano-sized natural phenolic based particles**  
ŞAHİNER N., SAĞBAŞ SUNER S., ŞAHİNER M., AKTAŞ N.  
4th International Conference on Nanotechnology in Medicine (NANOMED), 7 - 09 Kasım 2016
- X. **Superporous HA cryogels embedding synthetic PEI microgels and HNT as natural clay**  
DEMİRCİ Ş., SAĞBAŞ SUNER S., ŞAHİNER M., ŞAHİNER N.  
3th International Conference on Bio-based Polymers and Composites, 28 Ağustos - 01 Eylül 2016
- XI. **Controlled release of tannic acid from poly(tannic acid) microgel, and nanogels**  
ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N., ŞAHİNER M.  
NanoSmat 2016, 11th Conference on Surfaces, Coatings and Nanostructured Materials, 18 - 20 Mayıs 2016
- XII. **Poly(tannic acid) particles embedded superporous poly(hydroxyethyl methacrylate) cryogel for biomedical applications**  
ŞAHİNER M., SAĞBAŞ SUNER S., ŞAHİNER N.  
International Porous Powder Materials Symposium and Exhibitions, 15 - 18 Eylül 2015
- XIII. **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**  
ŞAHİNER N., SAĞBAŞ SUNER S., ŞAHİNER M., AKTAŞ N.  
249th National Spring Meeting of the American Chemical Society (ACS), 22 - 26 Mart 2015, cilt.249
- XIV. **Tannic acid based natural particles for versatile use**  
ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N.  
247th National Spring Meeting of the American Chemical Society (ACS), 16 - 20 Mart 2014
- XV. **Preparation of biopolymeric particles from natural inulin**  
SILAN C., SAĞBAŞ SUNER S., ŞAHİNER N.  
245th National Spring Meeting of the American Chemical Society (ACS), 7 - 11 Nisan 2013
- XVI. **Preparation of p(vinyl phosphonic acid) microgels and its metal nanoparticle containing composites for H-2 generation from the hydrolysis of sodium borohydride**  
SAĞBAŞ SUNER S., ŞAHİNER N.  
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245



## Desteklenen Projeler

ŞAHİNER N., SAĞBAŞ SUNER S., ŞAHİNER M., AKÇALI A., Yükseköğretim Kurumları Destekli Proje, Antibiyotik olarak Azot N Kükürt S ve Bor B katkılı Karbon kuantum partiküllerinin KKdotlarının antipatojenik etki ve mekanizmalarının belirlenmesi, 2022 - Devam Ediyor

Sağbaş Suner S., Şahiner N., Sılan C., Güngör B., Erdoğan H., Ünver Saraydın S., TÜBİTAK Projesi, Süperkritik Karbon Dioksit ile ilaç impregne kontakt lenslerin hazırlanması ve keratit tedavisinde kullanımının araştırılması, 2022 - 2024

Yılmaz S., Şahiner N., Sağbaş Suner S., Demirci Ş., Bağdat S., Tokay F., TÜBİTAK Projesi, Zeytin Karasuyundaki fenolik bileşiklerin ayrılması için doğal kil haloysit nanotüp (HNT) esaslı malzemelerinin geliştirilmesi, 2022 - 2024

SAĞBAŞ SUNER S., ŞAHİNER N., ŞAHİNER M., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Süper makro gözenekli pullulan kriyojellerinin sentezi karakterizasyonu ve ilaç taşıma sistemleri olarak kullanım potansiyelleri, 2022 - 2023

SAĞBAŞ SUNER S., ŞAHİNER N., ŞAHİNER M., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Kanser ilacı yüklenen hyaluronik esaslı polimerik yapıların antikanser etkilerinin araştırılması, 2021 - 2022

SAĞBAŞ SUNER S., ŞAHİNER N., SÜTEKİN S. D., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Biyomedikal uygulamalar için poligalaktronik asit mikro/nanojellerinin sentezlenmesi ve karakterizasyonu, 2020 - 2021

## Metrikler

Yayın: 99

Atıf (WoS): 1541

Atıf (Scopus): 1414

H-İndeks (WoS): 24

H-İndeks (Scopus): 24