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Personal Information

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya , Turkey 2011 - 2018

Post Graduate, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Biyoloji , Turkey 2008 - 2011

Under Graduate, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Biyoloji , Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Biyomedikal Uygulamalar için Ksantan, Guar, Arabik, Locust Bean Gamlardan Makro, Mikro ve Nano Yapılar, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Kimya , 2018

Post Graduate, Çanakkale Boğazındaki (Çanakkale, Türkiye) bazı kırmızı alglerde agar miktarının yıllık değişimi, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji , 2011

Research Areas

Chemistry, Physical Chemistry, Polymers and Their Applications, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya , 2019 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Delivery of Small Molecule EF2 Kinase Inhibitor for Breast and Pancreatic Cancer Cells Using Hyaluronic Acid Based Nanogels**
CÖMERT ÖNDER F., SAĞBAŞ SUNER S., ŞAHİNER N., AY M., OZPOLAT B.
PHARMACEUTICAL RESEARCH, vol.37, 2020 (Journal Indexed in SCI)
- **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, vol.130, pp.627-635, 2019 (Journal Indexed in SCI)

- **Mesoporous, degradable hyaluronic acid microparticles for sustainable drug delivery application**
ŞAHİNER N., SUNER S. C. , Ayyala R. S.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.177, pp.284-293, 2019 (Journal Indexed in SCI)
- **Hyaluronic acid and hyaluronic acid: Sucrose nanogels for hydrophobic cancer drug delivery**
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- **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, vol.39, pp.75-82, 2019 (Journal Indexed in SCI Expanded)
- **Carbon dots: preparation, properties, and application**
SAĞBAŞ SUNER S., ŞAHİNER N.
NANOCARBON AND ITS COMPOSITES: PREPARATION, PROPERTIES, AND APPLICATIONS, pp.651-676, 2019 (Journal Indexed in SCI)
- **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, vol.3, pp.17359-17367, 2018 (Journal Indexed in SCI)
- **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, vol.172, pp.618-626, 2018 (Journal Indexed in SCI)
- **Modifiable natural gum based microgel capsules as sustainable drug delivery systems**
Sagbas S., ŞAHİNER N.
Carbohydrate Polymers, vol.200, pp.128-136, 2018 (Journal Indexed in SCI)
- **Sucrose based ionic liquid colloidal microgels in separation of biomacromolecules**
ŞAHİNER N., SAĞBAŞ SUNER S.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.196, pp.191-199, 2018 (Journal Indexed in SCI)
- **Polymeric ionic liquid materials derived from natural source for adsorption purpose**
ŞAHİNER N., SAĞBAŞ SUNER S.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.196, pp.208-216, 2018 (Journal Indexed in SCI)
- **Humic acid particle embedded super porous gum Arabic cryogel network for versatile use**
SUNER S. S. , ŞAHİNER N.
Polymers for Advanced Technologies, vol.29, pp.151-159, 2018 (Journal Indexed in SCI)
- **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, vol.228, 2017 (Journal Indexed in SCI)
- **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, vol.93, pp.775-784, 2017 (Journal Indexed in SCI)
- **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, vol.46, pp.4373-4383, 2017 (Journal Indexed in SCI)
- **Polyethyleneimine modified poly(Hyaluronic acid) particles with controllable antimicrobial and anticancer effects**
Sahiner N., Sagbas S., Sahiner M., Ayyala R. S.
Carbohydrate Polymers, vol.159, pp.29-38, 2017 (Journal Indexed in SCI)
- **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, vol.156, pp.380-389, 2017 (Journal Indexed in SCI)

● **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**

Butun S., Demirci S., Yasar A. O. , SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.

MORPHOLOGICAL, COMPOSITIONAL, AND SHAPE CONTROL OF MATERIALS FOR CATALYSIS, vol.177, pp.317-357, 2017 (Journal Indexed in SCI)

● **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, vol.70, pp.317-326, 2017 (Journal Indexed in SCI)

● **Degradable tannic acid/polyethyleneimine polyplex particles with highly antioxidant and antimicrobial effects**

ŞAHİNER N., Sağbaşı S., Sahiner M., DEMIRCI S.

POLYMER DEGRADATION AND STABILITY, vol.133, pp.152-161, 2016 (Journal Indexed in SCI)

● **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, vol.129, pp.96-105, 2016 (Journal Indexed in SCI)

● **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, vol.142, pp.334-343, 2016 (Journal Indexed in SCI)

● **Preparation and characterization of monodisperse, mesoporous natural poly(tannic acid)-silica nanoparticle composites with antioxidant properties**

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Microporous and Mesoporous Materials, vol.226, pp.316-324, 2016 (Journal Indexed in SCI)

● **Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties**

ŞAHİNER N., Sağbaşı S., Sahiner M., SILAN C., Aktaş N., Turk M.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.82, pp.150-159, 2016 (Journal Indexed in SCI)

● **Modified biofunctional p(tannic acid) microgels and their antimicrobial activity**

SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.

APPLIED SURFACE SCIENCE, vol.354, pp.306-313, 2015 (Journal Indexed in SCI)

● **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, vol.132, 2015 (Journal Indexed in SCI)

● **Single step natural poly(tannic acid) particle preparation as multitasking biomaterial**

ŞAHİNER N., Sağbaşı S., Aktaş N.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.49, pp.824-834, 2015 (Journal Indexed in SCI)

● **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**

ŞAHİNER N., SAĞBAŞ SUNER S., Sahiner M., Aktaş N.

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● **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., Sağbaşı S., Aktaş N.

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● **Multifunctional tunable p(inulin) microgels**

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● **Poly(sucrose) micro particles preparation and their use as biomaterials**

ŞAHİNER N., Sağbaş S., Turk M.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.66, pp.236-244, 2014 (Journal Indexed in SCI)

● **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, vol.246, pp.55-62, 2014 (Journal Indexed in SCI)

● **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-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.418, pp.76-83, 2013 (Journal Indexed in SCI)

● **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, vol.155, pp.124-130, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

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

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

Recent Patents on Materials Science, vol.11, pp.33-40, 2018 (Refereed Journals of Other Institutions)

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

ŞAHİNER N., Sağbaş S., YILMAZ S.

MRS ADVANCES, vol.2, pp.2521-2527, 2017 (Journal Indexed in ESCI)

● **Synthesis and Properties of Inulin Based Microgels**

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

Colloids and Interface Science Communications, vol.2, pp.15-18, 2014 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

● **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 Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, United States Of America, 18 - 22 March 2018, vol.255

● **Design And Synthesis Of New Ef2k Inhibitors For The Treatment Of Tnbc And Pancreatic Cancers And Their In Vitro Release Studies From Biocompatible Natural Polymeric Particles**

CÖMERT ÖNDER F., SAĞBAŞ SUNER S., AY M., TAŞKIN TOK T., ÖZPOLAT B., ŞAHİNER N., KARLIĞA B., BELLUR ATICI E.

Global Conference On Pharmaceutics And Drug Delivery Systems, PDDS 2017, VALENSIYA, Spain, 29 June - 02 July 2017, pp.63

● **Micro/nanoparticles prepared from kappa-, iota-, and lambda-carrageenan for versatile use**

ŞAHİNER N., SAĞBAŞ SUNER S., Yilmaz S.

253rd National Meeting of the American-Chemical-Society (ACS) on Advanced Materials, Technologies, Systems, and Processes, San-Francisco, Costa Rica, 2 - 06 April 2017, vol.253

- **P (Tannic Acid) hydrogel template for in situ metal nanoparticle preparation and use as catalyst for elimination of toxic organic compounds**
SILAN C., SAĞBAŞ SUNER S., Sahiner M., ŞAHİNER N.
European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231
- **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, United States Of America, 7 - 11 April 2013, vol.245
- **Super porous hydrogels as coordinating templates for in situ metal nanoparticle preparation and use as soft reactors in hydrogen production from the hydrolysis of hydrides**
ŞAHİNER N., SAĞBAŞ SUNER S., Turhan T., KARACAN E., Seven F., Yasar A., Alpaslan D., Aktaş N., Aktaş N.
244th National Fall Meeting of the American-Chemical-Society (ACS), Pennsylvania, United States Of America, 19 - 23 August 2012, vol.244

Supported Projects

TUBITAK Project, Doğal Bir Molekül Olan Tannik Asitten Partiküller Hazırlanması Ve Bunların Biyomedikal Uygulamaları, 2013 - 2015

Citations

Total Citations (WOS):544

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