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Education Information

Doctorate, Ege University, Fen Bilimleri, Deri Müh., Turkey 2007 - 2015

Post Graduate, Ege University, Fen Bilimleri, Deri Müh., Turkey 2002 - 2004

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Textile Engineering and Technology, Technical Textiles, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Uygulamalı Bilimler Yüksek Okulu , Moda Tasarımı, 2018 - Continues

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

- I. **Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications**
ŞAHİNER N., Suner S., ŞAHİNER M., SILAN C.
JOURNAL OF FLUORESCENCE, vol.29, no.5, pp.1191-1200, 2019 (Journal Indexed in SCI)
- II. **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, no.12, pp.17359-17367, 2018 (Journal Indexed in SCI)
- III. **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)
- IV. **Responsive biopolymer-based microgels/nanogels for drug delivery applications**
Suner S. S. , ŞAHİNER M., Sengel S. B. , Rees D. J. , Reed W. F. , ŞAHİNER N.
STIMULI RESPONSIVE POLYMERIC NANOCARRIERS FOR DRUG DELIVERY APPLICATIONS: TYPES AND TRIGGERS, VOL 1, pp.453-500, 2018 (Journal Indexed in SCI)
- V. **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)
- VI. **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)

- VII. **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)
- VIII. **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)
- IX. **Application of superporous magnetic cationic cryogels for persistent chromate (toxic chromate and dichromate) uptake from aqueous environments**
ŞAHİNER N., Demirci S., Sahiner M., Yilmaz S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.20, 2016 (Journal Indexed in SCI)
- X. **Fast removal of high quantities of toxic arsenate via cationic p(APTMACl) microgels**
Rehman S. u. , Siddiq M., Al-Lohedan H., Aktaş N., Sahiner M., Demirci S., Sahiner N.
Journal of Environmental Management, vol.166, pp.217-226, 2016 (Journal Indexed in SCI)
- XI. **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, vol.82, pp.150-159, 2016 (Journal Indexed in SCI)
- XII. **Synthesis and characterization of new microgel from tris(2-aminoethyl)amine and glycerol diglycidyl ether as poly(TAEA-co-GDE)**
URREHMAN S., Sahiner M., SEL K., SIDDIQ M., ŞAHİNER N.
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- XIII. **Macroporous cryogel metal nanoparticle composites for H-2 generation from NaBH₄ hydrolysis in seawater**
Sahiner N., Yildiz S., Sahiner M., Issa Z. A. , Al-Lohedan H.
APPLIED SURFACE SCIENCE, vol.354, pp.388-396, 2015 (Journal Indexed in SCI)
- XIV. **The synthesis of desired functional groups on PEI microgel particles for biomedical and environmental applications**
Sahiner N., Demirci S., Sahiner M., Al-Lohedan H.
APPLIED SURFACE SCIENCE, vol.354, pp.380-387, 2015 (Journal Indexed in SCI)
- XV. **Removal of As(V), Cr(III) and Cr(VI) from aqueous environments by poly(acrylonitril-co-acrylamidopropyl-trimethyl ammonium chloride)-based hydrogels**
Erşen Dudu T., Sahiner M., Alpaslan D., Demirci S., Aktaş N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.161, pp.243-251, 2015 (Journal Indexed in SCI)
- XVI. **Ionic liquid hydrogel templates: Bulkgel, cryogel, and microgel to be used for metal nanoparticle preparation and catalysis**
YILDIZ S., Sahiner M., ŞAHİNER N.
EUROPEAN POLYMER JOURNAL, vol.70, pp.66-78, 2015 (Journal Indexed in SCI)
- XVII. **The use of superporous p(3-acrylamidopropyl)trimethyl ammonium chloride cryogels for removal of toxic arsenate anions**
Sahiner N., DEMIRCI S., Sahiner M., Yilmaz S., Al-Lohedan H.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.152, pp.66-74, 2015 (Journal Indexed in SCI)
- XVIII. **Environmental application of PEI based hydrogels in different morphology and sizes: Bulk, microgel, and cryogel**
ŞAHİNER N., Demirci S., Sahiner M., Al-Lohedan H., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.249, 2015 (Journal Indexed in SCI)

XIX. Collagen-based hydrogel films as drug-delivery devices with antimicrobial properties

Sahiner M., Alpaslan D., BİTLİSLİ B. O.

POLYMER BULLETIN, vol.71, no.11, pp.3017-3033, 2014 (Journal Indexed in SCI)

XX. Influence of tannery wastewater on seed germination of some field crops

TAYYAR Ş., YAPICI A. N. , ŞAHİNER M.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.6, pp.755-759, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Quercetin particles with lower inhibitory activity for α -glycosidase and negligible effects on blood clotting

Şahiner M., Sagbas Suner S.

Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, no.2, pp.443-452, 2021 (Refereed Journals of Other Institutions)

II. Enhanced enzymatic activity and stability by in situ entrapment of α -Glucosidase within super porous p(HEMA) cryogels during synthesis

Demirci S., ŞAHİNER M., Yılmaz S., Karadag E., ŞAHİNER N.

Biotechnology Reports, vol.28, 2020 (Refereed Journals of Other Institutions)

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

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

C-JOURNAL OF CARBON RESEARCH, vol.6, no.3, 2020 (Journal Indexed in ESCI)

IV. 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, no.1, pp.33-40, 2018 (Refereed Journals of Other Institutions)

V. 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, vol.4, no.2, pp.103-116, 2018 (Other Refereed National Journals)

Books & Book Chapters

I. Responsive biopolymer-based microgels/nanogels for drug delivery applications

Sağbaş S., ŞAHİNER M., BUTUN SENDEL S., J REEDS D., REED F. W. , ŞAHİNER N.

in: Stimuli Responsive Polymeric Nanocarriers for Drug Delivery Applications., Editor, Woodhead publishing, pp.453-500, 2018

Refereed Congress / Symposium Publications in Proceedings

I. Modified Nonwoven Cotton Fabric With Antimicrobial Properties

ŞAHİNER M., ARI B., SERDAR K., SAĞBAŞ S., AKKAŞ KAVAKLI P., KAVAKLI C., ŞAHİNER N.

7th International Technical Textiles Congress, 10 - 12 October 2018

II. The Use of Modified GMA-g-PE/PP-NWF as Catalyst For H₂ Production

ŞAHİNER M., ARI B., SERDAR K., DEMİRCİ Ş., KAVAKLI C., AKKAŞ KAVAKLI P., ŞAHİNER N.

7th International Technical Textiles Congress, 10 - 12 October 2018

III. Preparation Phenolic Particles based on Natural Flavonoids, Naringin and Rosmarinic acid and their use as biomaterials

ŞAHİNER M.

polimer2018, 9 - 12 September 2018

- IV. **The synthesis and characterization of poly(Naringin) particles as new biomaterials**
ŞAHİNER M., blake D., ŞAHİNER N.
ACS, New Orleans, United States Of America, 13 March 2018
- V. **Rosmarinic acid particles with versatile biomedical functions**
Sahiner M., Blake D., 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
- VI. **Natural p TA Hydrogel and Microgel Networks for Diverse Potential Biomedical Uses**
ŞAHİNER N., Sağbaşı S., SAHİNER M., AKTAŞ N.
249th American Chemical Society National Meeting Exposition, Chemistry of Natural Resources, Denver, United States Of America, 22 - 26 March 2015

Scientific Refereeing

Colloids and Surfaces B: Biointerfaces, SCI Journal, August 2019

Citations

Total Citations (WOS):337

h-index (WOS):13

Scholarships

2219 DOKTORA SONRASI YURT DIŞI ARAŞTIRMA BURSUSU, TUBITAK, 2017 - 2018