

## Prof. NURETTİN ŞAHİNER

### Personal Information

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### Education Information

Doctorate, Tulane University, Chemical And Biomolecular Engineering , United States Of America 2001 - 2005

Post Graduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1994 - 1997

Under Graduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1989 - 1994

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Hydrogels with Tunable Size, Structure and Properties for Applications in Bio- and Nanotechnology, Tulane University, Chemical And Biomolecular Engineering, Nano Materials, 2005

Post Graduate, Amidoksim Esaslı Polimerik Ağ Yapıların Hazırlanması ve Uranil İyonu Tutulmasında Kullanılması, Hacettepe University, Fen Bilimleri Enstitüsü , Kimya, 1997

### Research Areas

Chemistry, Physical Chemistry, New Technologies in Polymer Chemistry, Polymeric Materials, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2009 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2007 - 2009

Other, Tulane University, Chemical And Biomolecular Engineering, Chemistry, 2006 - 2007

Other, University of Delaware, Materials Science & Engineering, Chemistry, 2005 - 2006

Research Assistant, Tulane University, Chemical And Biomolecular Engineering, Chemistry, 2001 - 2005

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

- **Preparation of dextran cryogels for separation processes of binary dye and pesticide mixtures from aqueous solutions**

Ari B., Yetiskin B., Okay O., ŞAHİNER N.

- POLYMER ENGINEERING AND SCIENCE, vol.60, pp.1890-1901, 2020 (Journal Indexed in SCI)  
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- JOURNAL OF POLYMER RESEARCH, vol.27, 2020 (Journal Indexed in SCI)  
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- MICROMACHINES, vol.11, 2020 (Journal Indexed in SCI)  
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- INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, pp.5990-6001, 2020 (Journal Indexed in SCI)  
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- ACS OMEGA, vol.5, pp.15519-15528, 2020 (Journal Indexed in SCI)  
**Biocompatible macro, micro and nano scale guar gum hydrogels and their protein absorption capacity**  
Suner S. S. , ŞAHİNER N.
- JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, 2020 (Journal Indexed in SCI)  
**Amino acid-derived Poly((L)-Lysine) (p(LL)) microgel as a versatile biomaterial: Hydrolytically degradable, drug carrying, chemically modifiable and antimicrobial material**  
ŞAHİNER N.
- POLYMERS FOR ADVANCED TECHNOLOGIES, 2020 (Journal Indexed in SCI)  
**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)  
**Simultaneous degradation and reduction of multiple organic compounds by poly(vinyl imidazole) cryogel-templated Co, Ni, and Cu metal nanoparticles**  
TERCAN YAVAŞOĞLU M., Demirci S., DAYAN O., ŞAHİNER N.
- NEW JOURNAL OF CHEMISTRY, vol.44, pp.4417-4425, 2020 (Journal Indexed in SCI)  
**Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material**  
Alpaslan D., Dudu T. E. , ŞAHİNER N., Aktasa N.
- MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.108, 2020 (Journal Indexed in SCI)  
**Porous carbon particles as metal-free superior catalyst for hydrogen release from methanolysis of sodium borohydride**  
Demirci S., YILDIZ M., Inger E., ŞAHİNER N.
- RENEWABLE ENERGY, vol.147, pp.69-76, 2020 (Journal Indexed in SCI)  
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- APPLIED CATALYSIS B-ENVIRONMENTAL, vol.261, 2020 (Journal Indexed in SCI)  
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## particles

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INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.576, 2020 (Journal Indexed in SCI)

● **Functionalization of halloysite nanotubes with polyethyleneimine and various ionic liquid forms with antimicrobial activity**

Suner S. S., ŞAHİNER M., AKÇALI A., ŞAHİNER N.

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● **Tunable Friction Through Stimuli Responsive Hybrid Carbon Microspheres**

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● **Graphene oxide embedded P(AAm)/PANI cryogel polymer composites for sensor application against pesticide, nitro compound, and organic dyes**

DEMIRCI S., SILAN C., ŞAHİNER N.

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● **Facile synthesis of hydrogel-nickel nanoparticle composites and their applications in adsorption and catalysis**

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Arı B., AY M., SUNOL A. K., ŞAHİNER N.

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● **Crosslinked poly(Lactose) microgels and nanogels for biomedical applications**

Can M., Ayyala R. S., ŞAHİNER N.

JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.553, pp.805-812, 2019 (Journal Indexed in SCI)

● **N-doped C-dot embedded fluorescent and thermo-responsive p(NIPAAm) microgel composites**

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● **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, vol.137, pp.836-843, 2019 (Journal Indexed in SCI)

● **Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications**

ŞAHİNER N., Suner S. S., ŞAHİNER M., SILAN C.

JOURNAL OF FLUORESCENCE, vol.29, pp.1191-1200, 2019 (Journal Indexed in SCI)

● **Synthesis and characterization of poly(N-(2-mercaptoethyl) acrylamide) microgel for biomedical applications**

SENGEL S. B., ŞAHİNER N.

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● **Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue engineering**

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- **Online monitoring of dopamine particle formation via continuous light scattering intensity measurement**  
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EUROPEAN POLYMER JOURNAL, vol.112, pp.749-753, 2019 (Journal Indexed in SCI)
- **Conductive Polymer Containing Graphene Aerogel Composites as Sensor for CO2**  
ŞAHİNER N.  
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- **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)
- **Nematicidal effects of olive pomace and green walnut husk on root-knot nematode *Meloidogyne incognita* on tomato**  
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- **Highly regenerable ionic liquid microgels as inherently metal-free green catalyst for H<sub>2</sub> generation**  
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- **Responsive biopolymer-based microgels/nanogels for drug delivery applications**  
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ŞAHİNER N., Yasar A. O. , Aktaş N.  
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ŞAHİNER N., Demirci S., Yildiz M.  
Journal of Inorganic and Organometallic Polymers and Materials, vol.27, pp.1333-1341, 2017 (Journal Indexed in SCI)
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ŞAHİNER N., DEMIRCI S.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.77, pp.642-648, 2017 (Journal Indexed in SCI)
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DEMIRCI S., SUNER S. S. , Sahiner M., ŞAHİNER N.  
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ŞAHİNER N.  
POLYMER, vol.121, pp.46-54, 2017 (Journal Indexed in SCI)
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ŞAHİNER N., Demirci S., Aktaş N.  
JOURNAL OF POLYMER RESEARCH, vol.24, 2017 (Journal Indexed in SCI)
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- **Preparation and Characterization of Bi-metallic and Tri-metallic Metal Organic Frameworks Based on Trimesic Acid and Co(II), Ni(II), and Cu(II) Ions**  
ŞAHİNER N., Demirci S., YILDIZ M.  
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● **Surfactant free synthesis and characterization of poly(vinyl carbazole) microgel and its chemical modifications**

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● **Chemical composition, antimicrobial, antioxidant and anthocyanin activities of mosses (Cinclidotus fontinaloides (Hedw.) P.Beauv. and Palustriella commutata (Hedw.) Ochyra) gathered from Turkey**

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