

Res. Asst. PhD HANDE ÜNSAL HUNTER

Personal Information

Office Phone: [+90 312 297 6071](tel:+903122976071)

Fax Phone: [+90 312 299 2124](tel:+903122992124)

Email: unsal@hacettepe.edu.tr

Address: Hacettepe Üniversitesi Kimya Mühendisliği Bölümü, 16800, Beytepe, Ankara

Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2008 - 2014

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2005 - 2008

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2001 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Özel tasarım yüzey aktif maddeler kullanılarak nano/mikro boyutlu tübüler yapıların oluşturulması, karakterizasyonu ve uygulamaları, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2014

Research Areas

Chemical Engineering and Technology, Life Sciences, Biotechnology, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2005 - Continues

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

- I. **Custom-made lipid nanotubes as a tissue and hydrogel adhesive**
AYDOĞAN N., KALAYCIOĞLU G. D. , Unsal H., Ozkan M.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.608, 2021 (Journal Indexed in SCI)
- II. **Interplay between Molecular Packing, Drug Loading, and Core Cross-Linking in Bottlebrush Copolymer Micelles**
Unsal H., Onbulak S., Calik F., Er-Rafik M., Schmutz M., SANYAL A., Rzayev J.
MACROMOLECULES, vol.50, no.4, pp.1342-1352, 2017 (Journal Indexed in SCI)
- III. **Stimuli-responsive lipid nanotubes in gel formulations for the delivery of doxorubicin**

- İlbasmis-Tamer S., Unsal H., Tugcu-Demiroz F., KALAYCIOĞLU G. D. , Degim I. T. , AYDOĞAN N.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.143, pp.406-414, 2016 (Journal Indexed in SCI)
- IV. **Dual-Responsive Lipid Nanotubes: Two-Way Morphology Control by pH and Redox Effects**
YILDIRIM L., Unsal H., Schmidt J., Talmon Y., AYDOĞAN N.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.72, 2016 (Journal Indexed in SCI)
- V. **New stimuli responsive lipid nanotube for protein transport and release: From molecular design to application**
Unsal H., AYDOĞAN N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.250, 2015 (Journal Indexed in SCI)
- VI. **Restoration of the interfacial properties of lung surfactant with a newly designed hydrocarbon/fluorocarbon lipid**
Dilli G., Unsal H., USLU B., AYDOĞAN N.
Colloids and Surfaces B: Biointerfaces, vol.122, pp.566-575, 2014 (Journal Indexed in SCI Expanded)
- VII. **Formation of chiral nanotubes by the novel anthraquinone containing-achiral molecule**
Unsal H., AYDOĞAN N.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.394, pp.301-311, 2013 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **STIMULI RESPONSIVE LIPID NANOTUBES FOR DRUG AND PROTEIN DELIVERY**
ÜNSAL H., AYDOĞAN N.
Aiche 2016, 13 - 18 October 2016
- II. **STIMULI RESPONSIVE LIPID NANOTUBES GEL COMPLEXES FOR DOXORUBICIN DELIVERY**
İLBASMIŞ TAMER S., ÜNSAL H., tugcu demiroz f., KALAYCIOĞLU G. D. , DEĞİM İ. T. , AYDOĞAN N.
ecis 2016, 4 - 09 September 2016
- III. **DESIGN OF BOTTLEBRUSH COPOLYMER BASED MICELLES FOR DRUG DELIVERY APPLICATIONS**
ÜNSAL H., onbulak s., Rzayev J.
Ecis 2016, 4 - 09 September 2016
- IV. **DOKSORUBİSİN SALIMI İÇİN YENİ UYARI CEVAP LİPİT NANOTÜP JEL KOMPLEKS SİSTEMİ**
İLBASMIŞ TAMER S., ÜNSAL H., tugcu demiroz f., KALAYCIOĞLU G. D. , DEĞİM İ. T. , AYDOĞAN N.
UKMK 12, Turkey, 23 - 26 August 2016
- V. **THE NEW STIMULI RESPONSIVE LIPID NANOTUBE SYSTEM FOR PROTEIN TRANSPORT AND RELEASE**
ÜNSAL H., Aydogan N.
250th ACS National Meeting, 16 - 20 August 2015
- VI. **Smart lipid nanotubes: Two-way morphology control by pH and redox effects**
Unsal H., Schmidt J., Talmon Y., AYDOĞAN N.
246th National Meeting of the American-Chemical-Society (ACS), Indiana, United States Of America, 8 - 12 September 2013, vol.246

Supported Projects

- ÜNSAL HUNTER H., Project Supported by Higher Education Institutions, Protein ve İlac salimi için uyari-cevap ozellikli lipit nanotupler, 2016 - 2017
- ÜNSAL HUNTER H., Project Supported by Higher Education Institutions, Cift cevapli lipit nanotupler: pH ve Redoks etkileriyle iki yollu morfoloji kontrolu, 2016 - 2017
- ÜNSAL HUNTER H., Project Supported by Higher Education Institutions, DOKSORUBİSİN SALIMI İÇİN YENİ UYARICEVAP LİPİT NANOTÜP JEL KOMPLEKS SİSTEMİ, 2016 - 2017
- AYDOĞAN N., ÜNSAL H., Project Supported by Higher Education Institutions, Yeni bir Antrakinin İçerikli Akiral Molekül Kullanılarak Kiral Nanotüplerin Oluşumu, 2015 - 2016

ALP G., AYDOĞAN N., ÜNSAL H., Project Supported by Higher Education Institutions, Özel Tasarlanmış Hidrokarbon/Florokarbon Lipid ile Akciğer Yüzey Aktif Maddesinin Ara yüzey Özelliklerinin İyileştirilmesi, 2015 - 2016
AYDOĞAN N., ÜNSAL H., Project Supported by Higher Education Institutions, İlaç Taşınımı için Dış Etkilere Cevap Veren Lipid Nanotüpler, 2015 - 2015

Citations

Total Citations (WOS):69

h-index (WOS):4