

## Res. Asst. PhD Deniz Şahin

### Personal Information

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**Address:** İTÜ Ayazağa Kampüsü, Moleküler Biyoloji Genetik ve Biyoteknoloji Araştırma Merkezi (MOBGAM), Maslak

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji-Genetik Ve Biyoteknoloji (Dr), Turkey 2005 - 2011

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji-Genetik Ve Biyoteknoloji (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, Turkey 1996 - 2001

### Foreign Languages

English

### Dissertations

Doctorate, Malzeme ve Medikal Uygulamalar İçin Gen Mühendisliği Yoluyla Peptid (GEPI)-Protein Hibritlerin Oluşturulması", İstanbul Teknik Üniversitesi, Fen Edebiyat, Moleküler Biyoloji Ve Genetik, 2012

Postgraduate, "Faj Gösterim Seçim Tekniği İle Quartzta Bağlanan Dodekapeptitlerin Seçilmesi ve Benzerlik Analizi", İstanbul Teknik Üniversitesi, Fen Edebiyat, Moleküler Biyoloji Ve Genetik, 2005

### Research Areas

Basic Sciences, Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer

### Academic Titles / Tasks

Lecturer PhD, Istanbul Technical University, Fen Edebiyat, Moleküler Biyoloji Ve Genetik, 2013 - Continues

Research Assistant, Istanbul Technical University, Bilişim Enstitüsü, İleri Teknolojiler Anabilim Dalı, 2002 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Effect of oil extract from microalgae (*Schizochytrium* sp.) on the viability and apoptosis of human osteosarcoma cells.**  
Sahin D.  
Current pharmaceutical biotechnology, vol.22, pp.1099-1105, 2021 (Journal Indexed in SCI)
- Enhancement of docosaehaenoic acid (DHA) and beta-carotene production in *Schizochytrium* sp. using symbiotic relationship with *Rhodotorula glutinis***

Şahin D., Altindag U. H. , Tas E.

PROCESS BIOCHEMISTRY, vol.75, pp.10-15, 2018 (Journal Indexed in SCI)

**III. Enhancement of docosaehaenoic acid (DHA) production from Schizochytrium sp S31 using different growth medium conditions**

Şahin D., Tas E., Altindag U. H.

AMB EXPRESS, vol.8, 2018 (Journal Indexed in SCI)

**IV. Quantitative Affinity of Genetically Engineered Repeating Polypeptides to Inorganic Surfaces**

Seker U. O. S. , Wilson B., Sahin D., Tamerler C., Sarikaya M.

BIOMACROMOLECULES, vol.10, no.2, pp.250-257, 2009 (Journal Indexed in SCI)

**V. A novel knowledge-based approach to design inorganic-binding peptides**

OREN E. E. , TAMERLER C., Sahin D., HNILOVA M., SEKER U. O. S. , SARIKAYA M., SAMUDRALA R.

BIOINFORMATICS, vol.23, no.21, pp.2816-2822, 2007 (Journal Indexed in SCI)

**VI. Genetically engineered polypeptides for inorganics: A utility in biological materials science and engineering**

TAMERLER C., KACAR T., Sahin D., FONG H., SARIKAYA M.

MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, vol.27, no.3, pp.558-564, 2007 (Journal Indexed in SCI)

## Citations

Total Citations (WOS):210

h-index (WOS):4