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International Researcher IDs
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Publons / Web Of Science ResearcherID: ABB-3556-2020
ScopusID: 36819647400
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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 (Yl) (Tezli), Turkey 2002 - 2005
Undergraduate, Bogazici University, Faculty Of Arts And Scıences, Department Of Molecular Bıology And Genetıcs, 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 Quartza 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, Moleculer 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

Published journal articles indexed by SCI, SSCI, and AHCI

I. **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 (SCI-Expanded)

II. **Enhancement of docosahexaenoic 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 (SCI-Expanded)

III. **Enhancement of docosahexaenoic acid (DHA) production from Schizochytrium sp S31 using different growth medium conditions**
Şahin D., Tas E., Altindag U. H.
AMB EXPRESS, vol.8, 2018 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

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 (SCI-Expanded)

Books & Book Chapters

I. **Apoptotic Pathways, Death Receptors And Using Phage Display To Select Apoptosis Causing Peptides And Antibody Fragments**
ŞAHİN D.
in: Research Reviews in Health Sciences, Doç. Dr. Atilla ATİK, Editor, Gece Kitaplığı/ Gece Publishing, Ankara, pp.207-218, 2019

II. **FRESHWATER MICROALGAE(SCHIZOCHYTRIUM SP.) AS AN OMEGA-3FATTY ACID SOURCE**
ŞAHİN D.
in: AGRICULTURE, FORESTRY AND AQUACULTURESCIENCES RESEARCH PAPERS, Doç. Dr. Atilla ATİK, Editor, Gece Kitaplığı/ Gece Publishing, Ankara, pp.63-76, 2019

III. **CHAPTER 9PHAGE DISPLAY AND METHODS TO PRESENT THE TARGETS TO THE PHAGEDISPLAY LIBRARY: WHOLE CELL BIOPANNING**
ŞAHİN D.
in: Innovative approches in health sciences, Prof. Dr. Birol KILIÇ, Dr. (Md.) Dilek ATİK, Uzm. Dr. Serkan DOĞAN, Editor, Gece Kitaplığı/ Gece Publishing, Ankara, pp.89-97, 2018

Supported Projects

Kök F. N., Şahin D., Yurtsever Y., Güneş E., Uludağ A., UYSAL Ç., Ataman A., ÇOŞAR M. F., ŞAHİN Z., KARAOĞLU İ. C., Project Supported by Higher Education Institutions, Atık Lityum İyon Pillerindeki Kobalt Kullanılarak Sentezlenen B12 Vitamininin Enzimİskele Sistemi İle Veriminin Arttırılması, 2021 - 2022

Şahin D., Project Supported by Higher Education Institutions, İnsan kolon ve rektal kanser hücre yüzeyine özgül biyomarker ve antitümör olarak kullanılabilecek yeni peptid dizilerinin faj gösterim yöntemiyle belirlenmesi, 2017 - 2021

Şahin D., TUBITAK Project, Gastrik Kanser Hücre Yüzey Reseptörlerini Hedefleyen Biyomarker Ve Anti-Tümör Olarak

Kullanılabilecek Yeni 12 Amino Asitlik Peptid Dizilerinin Moleküler Ve Hesaplamalı Yöntemlerle Belirlenmesi, 2014 - 2015

Metrics

Publication: 18
Citation (WoS): 248
Citation (Scopus): 266
H-Index (WoS): 5
H-Index (Scopus): 5

Non Academic Experience

University of Washington, Genetically Engineered Materials Science and Engineering Center, Seattle, USA
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