

Res. Asst. PhD AYŞEGÜL YILDIZ

Personal Information

Office Phone: [+90 312 202 3049](tel:+903122023049)

Email: yildizaysegul@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/yildizaysegul>

International Researcher IDs

ORCID: 0000-0002-3435-0530

Publons / Web Of Science ResearcherID: GCP-8912-2022

ScopusID: 57209363492

Yoksis Researcher ID: 401486

Education Information

Doctorate, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, Turkey 2017 - 2024

Undergraduate, Ankara University, Eczacılık Fakültesi, Turkey 2012 - 2017

Dissertations

Doctorate, İpek fibroin bazlı ilaç yüklü hidrojellerin inflamatuvar barsak hastalığında değerlendirilmesi, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2024

Research Areas

Pharmaceutical Biotechnology, Pharmaceutical Technology, Health Sciences

Academic Titles / Tasks

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of the effect of process parameters on the protein content of silk fibroin**
Yıldız A., MUTLU AĞARDAN N. B., ACARTÜRK F.
Polymer Bulletin, vol.80, no.12, pp.13181-13198, 2023 (SCI-Expanded)
- II. **Silk fibroin nanoparticles and β -tricalcium phosphate loaded tissue engineered gelatin bone scaffolds: A Nature-based, low-cost solution**
Yıldız A., BİRER M., Turgut Birer Y., Uyar R., YURDAKÖK DİKMEN B., ACARTÜRK F.
Journal of Biomaterials Applications, vol.38, no.5, pp.646-661, 2023 (SCI-Expanded)
- III. **Development and characterization of chitosan nanoparticles loaded nanofiber hybrid system for vaginal controlled release of benzydamine**
Tuğcu-Demiröz F. N., Saar S., Kara A. A., Yıldız A., Tunçel E., Acartürk F.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.161, 2021 (SCI-Expanded)

- IV. **Three dimensional bioprinting technology: Applications in pharmaceutical and biomedical area**
Kocak E., Yildiz A., ACARTÜRK F.
Colloids and Surfaces B: Biointerfaces, vol.197, 2021 (SCI-Expanded)
- V. **Peptide-protein based nanofibers in pharmaceutical and biomedical applications**
Yildiz A., Kara A. A., ACARTÜRK F.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.148, pp.1084-1097, 2020 (SCI-Expanded)
- VI. **Development and characterization of rapid dissolving ornidazole loaded PVP electrospun fibers**
TORT S., Yildiz A., TUĞCU DEMİRÖZ F. N., AKCA G., Kuzukiran O., ACARTÜRK F.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, no.7, pp.864-873, 2019 (SCI-Expanded)
- VII. **pH-dependent dissolution behavior of a weakly basic BCS class II drug, clopidogrel**
Incecayir T., Olğaç S., Yildiz A., Saar S., Kodan E.
Latin American Journal of Pharmacy, vol.38, no.10, pp.1921-1928, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development and Evaluation of Sustained Release Tablet Formulations of Venlafaxine Hydrochloride**
Tort S., Kodan Akça E., Olğaç S., Saar S., Yıldız A., Ünal İ. S., Özdal Z. D., Tuğcu Demiröz F. N.
Sağlık bilimlerinde değer (Online), vol.12, no.1, pp.28-35, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Development of 3D Printed Bovine Serum Albumin Loaded Alginate-Based Hydrogel Dressing for Wound-Healing Application**
TEKİN T., YILDIZ A., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
5th International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 23 - 25 November 2022
- II. **Evaluation of the Effect of Nanofiber Formulations on the Expression of IBD Marker TNF- α by Cell Culture Studies**
YILDIZ A., SAAR S., YILDIRIM E., UYAR R., YURDAKÖK DİKMEN B., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
16th Nanoscience & Nanotechnology Conference (NANOTR-16), Ankara, Turkey, 5 - 08 September 2022
- III. **Preparation and In Vitro Release Studies of Mesalazine Loaded Silk Fibroin Based Nanoparticles**
YILDIZ A., MUTLU AĞARDAN N. B., ACARTÜRK F.
16th Nanoscience & Nanotechnology Conference (NANOTR-16), Ankara, Turkey, 5 - 08 September 2022
- IV. **In-vitro, Ex-vivo And Cytotoxicity Evaluation of Hydrocortisone-loaded Nanofiber for Colon Targeting**
SAAR S., YILDIZ A., YILDIRIM E., UYAR R., TURGUT Y., YURDAKÖK DİKMEN B., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
FIGON DMD & EUFEPS Annual Meeting, Leiden, Netherlands, 1 - 03 June 2022
- V. **Development of Mesalazine Loaded Hydrogel Formulations by 3D Printing Technology**
YILDIZ A., MUTLU AĞARDAN N. B., ACARTÜRK F.
20th International Pharmaceutical Technology Symposium, Ankara, Turkey, 21 - 23 February 2022
- VI. **Fabrication and Characterization of Methylprednisolone-Loaded Colon-Specific 3D-Printed Drug Delivery Systems**
YILDIZ A., TURANLI Y., BİRER M., SAAR S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021
- VII. **Development and Characterization Studies of Hydrocortisone Loaded Eudragit-Based Colon Targeted Nanofibers**
TUĞCU DEMİRÖZ F. N., YILDIRIM E., SAAR S., YILDIZ A., ACARTÜRK F.
3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021
- VIII. **Optimization and Validation of Silk Fibroin Production Process**

YILDIZ A., MUTLU AĞARDAN N. B., ACARTÜRK F.

3rd International Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021

IX. The evaluation of the potential eudragit-based delayed release nanofibers for colon targeting

YILDIRIM E., YILDIZ A., SAAR S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.

13th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021

X. Preparation of silk fibroin nanoparticles from bombyx mori cocoons by doe approach

BİRER M., YILDIZ A., ACARTÜRK F.

13th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.48-50

XI. Studies on modifications of established silk fibroin production methods to enhance protein content

YILDIZ A., MUTLU AĞARDAN N. B., ACARTÜRK F.

12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology (PBP), Viyana, Austria, 11 - 15 May 2021

XII. A different approach to nanofiber drug delivery systems: Nanofiber based tablet formulations

SAAR S., YILDIZ A., TORT S., TUĞCU DEMİRÖZ F. N., ACARTÜRK F.

International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020

XIII. Development of Benzydamine Loaded Nanofiber Formulations For Vaginal Controlled Drug Release

Tuğcu Demiröz F. N., Yıldız A., Kara A. A., Tunçel E., Saar S., Acartürk F.

8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.87-89

XIV. Permeability Studies of Nitroimidazole Derivative Antibiotic Loaded Nanofibers

TUĞCU DEMİRÖZ F. N., TORT S., YILDIZ A., SAAR S., ACARTÜRK F.

19th International Pharmaceutical Technology Symposium-IPTS, Ankara, Turkey, 17 - 19 September 2018

XV. Development and Evaluation of Extended Release Tablet Formulations of Venlafaxine Hydrochloride

SAAR S., YILDIZ A., ÜNAL İ. S., ÖZDAL Z. D., OLĞAÇ S., KODAN E., DURAN C., TORT S., TUĞCU DEMİRÖZ F. N.

12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

XVI. pH-Dependent Dissolution Behavior Of a Weakly Basic BCS Class II Drug, Clopidogrel

OLĞAÇ S., YILDIZ A., SAAR S., KODAN E., İNCEÇAYIR T.

12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

XVII. Preparation and Characterization of Nanofibers Containing Ornidazole for Buccal Application

TORT S., YILDIZ A., TUĞCU DEMİRÖZ F. N., TUNÇEL E., ACARTÜRK F.

12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

Supported Projects

Yıldız A., Saar S., Tuğcu Demiröz F. N., Acartürk F., Doğan A., Gürbüz S., Ömeroğlu S., Ayçiçek M., Vural İ., Karapınar I.,

Project Supported by Higher Education Institutions, Alveol kemiği iyileşmesinde lokal olarak uygulanmak üzere 3B

biyoyazıcı ile doku iskelesi şeklinde biyomalzeme geliştirilmesi ve in vitro - in vivo karakterizasyonu, 2022 - 2025

Acartürk F., Mutlu Ağardan N. B., Yurdakök Dikmen B., TUBITAK Project, TNF-alfa siRNA ve mesalazin yüklü 3B basılmış

hidrojellerin gen susturma etkinliğinin in vitro değerlendirilmesi, 2022 - 2023

Yıldız A., Özgenç Çınar Ö., Ceylan A., Acartürk F., Mutlu Ağardan N. B., Project Supported by Higher Education Institutions,

İpek Fibroin Bazlı İlaç Yüklü Hidrojellerin İnflamatuvar Barsak Hastalığında Değerlendirilmesi, 2020 - 2023

Metrics

Publication: 25

Citation (WoS): 181

Citation (Scopus): 207

H-Index (WoS): 4

H-Index (Scopus): 4