

## Lect. FATMA KIR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: GWV-4635-2022

ScopusID: 57572679000

### Education Information

Undergraduate, Anadolu University, İktisat Fakültesi, Uluslararası İlişkiler Bölümü, Turkey 2021 - Continues

Undergraduate, Istanbul University, Open And Distance Education Faculty, Turkey 2021 - Continues

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji A.B.D., Turkey 2018 - Continues

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2013 - 2018

### Foreign Languages

French, A1 Beginner

English, B2 Upper Intermediate

Spanish, B1 Intermediate

Korean, B1 Intermediate

### Certificates, Courses and Trainings

Health&Medicine, The Pharmacokinetic-Pharmacodynamic Modeling Workshop, University at Buffalo, School of Pharmacy and Pharmaceutical Science, Buffalo, New York, USA, 2024

Health&Medicine, Pharmacometrics Spring School: Modeling & Simulation Using MonolixSuite Virtual Course, Lixoft, Simulations Plus Company, 2023

Health&Medicine, Pharmacometrics Spring School: Non-compartmental Analysis, Bioequivalence & Beyond Spring School with PKanalix™ Virtual Cours, Lixoft, Simulations Plus Company, 2022

Health&Medicine, Pharmacometrics Spring School: Modeling & Simulation Using MonolixSuite Virtual Course - QSP and Mechanistic PK/PD Modeling Workshop, Lixoft, Simulations Plus Company, 2022

### Research Areas

Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Technology, Biopharmaceutical and Pharmacokinetics, Health Sciences

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

- I. **Development of a RP-HPLC method for simultaneous determination of atenolol, metoprolol tartrate and phenol red for in-situ rat intestinal perfusion studies**  
Kır F., Doğan A., Şahin S.  
JOURNAL OF CHROMATOGRAPHY B: ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.124160, no.124160, pp.1-6, 2024 (SCI-Expanded)
- II. **Evaluation of in vitro dissolution profiles of modified-release metoprolol succinate tablets crushed using mortar and pestle technique**  
KIR F., Al-Sulaiti F. K., ŞAHİN S.  
European Journal of Pharmaceutical Sciences, vol.194, 2024 (SCI-Expanded)

## Books & Book Chapters

- I. **The Pharmaceutical and Pharmacokinetic Aspects of Nanosuspensions**  
Şahin S., Kır F., Kılınçarslan M.  
in: The Pharmaceutical and Pharmacokinetic Aspects of Nanosuspensions, Zacharie Bartul, Jérôme Trenor, Editor, NOVA Science Publishers Inc. , New York, pp.1-80, 2024
- II. **Paracetamol: Physicochemical and Pharmacokinetic Properties**  
Şahin S., Kır F., Kılınçarslan M.  
in: Advances in Health and Disease, Lowell T. Duncan, Editor, NOVA Science Publishers Inc. , New York, pp.1-44, 2023
- III. **Evaluation of Pharmacokinetics and Biodistribution of Targeted Nanoparticles**  
ATEŞ M., İZAT N., KIR F., GÜLSÜN İNAL T., ŞAHİN S.  
in: Drug Delivery with Targeted Nanoparticles In Vitro and In Vivo Evaluation Methods, Yılmaz Çapan, Adem Sahin, Hayrettin Tonbul, Editor, Singapore, Jenny Stanford Publishing, pp.345-379, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Development and Validation of the RP-HPLC Method for Simultaneous Determination of Cimetidine, Metoprolol Tartrate and Phenol Red for Intestinal Perfusion Studies**  
Ermis M., Kır F., Şahin S.  
21st IPTS International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.177-178
- II. **Evaluation of Cimetidine Permeability Across Caco-2 Cells**  
Ermiş M., Kır F., Şahin S.  
21st IPTS International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.140-141
- III. **Bioanalytical Validation of an HPLC Method for the Analysis of Atenolol and Metoprolol in Rat Plasma**  
Kır F., Doğan A., Şahin S.  
21st IPTS International Pharmaceutical Technology Symposium, 21 - 23 Şubat 2022, Ankara, Turkey, 9 - 11 September 2024, pp.171-172
- IV. **Investigation of the Intestinal Permeability of Atenolol and Metoprolol in Malnutrition**  
Kır F., Ermis M., Şahin S.  
21st IPTS International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.112-113
- V. **Investigation of Drug Permeability in Malnutrition with Cell Culture Studies**  
Kır F., Ermis M., Şahin S.

21st IPTS International Pharmaceutical Technology Symposium, Ankara, Turkey, 9 - 11 September 2024, pp.94-96

- VI. **Evaluation of the Effect of Cimetidine on Cell Viability in Different Cell Lines**  
Kılınçarslan M., Kır F., Şahin S.  
Annual EUFEPS Conference, Lisbon, Portugal, 31 May 2023 - 02 June 2024, pp.96
- VII. **Evaluation of Cell Viability in Healthy and Malnourished Cells**  
Kır F., Kılınçarslan M., Şahin S.  
Annual EUFEPS Conference, Lisbon, Portugal, 31 May - 02 June 2023, pp.95
- VIII. **Crushing Effect on Dissolution Profiles of Metoprolol Succinate Modified Release Tablets**  
Al-Sulaiti F. K., KIR F., ŞAHİN S.  
9th BBBB Conference on Pharmaceutical Sciences, Ljubljana, Slovenia, 15 - 17 September 2022, pp.148
- IX. **Effect Of Malnutrition on Pharmacokinetics of Drugs**  
Kır F., Şahin S.  
20th IPTS International Pharmaceutical Technology Symposium, 21 - 23 February 2022, pp.246-248
- X. **Bioanalytical Validation of an HPLC Method For The Analysis of Rifampicin Accumulation in Rat Liver**  
İZAT N., KIR F., KAPLAN O., ÇELEBİER M., ŞAHİN S.  
8th BBBB Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.332-333

## Supported Projects

Kır F., Doğan A., Şahin S., Project Supported by Higher Education Institutions, Investigation of the Effect of Malnutrition on the Absorption and Permeability of Drugs, 2022 - 2024

## Memberships / Tasks in Scientific Organizations

American Association of Pharmaceutical Scientists, Member, 2023 - Continues, United States Of America

Turkish Pharmaceutical Technology Researchers Association, Member, 2019 - Continues, Turkey

## Congress and Symposium Activities

20th IPTS International Pharmaceutical Technology Symposium, Attendee, Ankara, Turkey, 2022

8th BBBB Conference on Pharmaceutical Sciences, Attendee, İzmir, Turkey, 2019

2nd IVEK International Medicine and Pharmacy Congress, Attendee, İstanbul, Turkey, 2015

## Scholarships

2214-A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TÜBİTAK, 2024 - Continues

2211-C Domestic Priority Fields Doctoral Scholarship Program, TÜBİTAK, 2022 - Continues

100/2000 YOK PhD Scholarship, YOK, 2018 - 2022