

Asst. Prof. Emine KAHRAMAN ŞİRİN

Office Phone: [+90 212 440 0000](tel:+902124400000) Extension: 13495

Email: emine.kahraman@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/emine.kahraman/>

Address: İstanbul Üniversitesi, Eczacılık Fakültesi, Farmasötik Teknoloji Anabilim Dalı, Beyazıt-İstanbul

International Researcher IDs

ORCID: 0000-0001-5911-9151

Publons / Web Of Science ResearcherID: AAC-9734-2020

Yoksis Researcher ID: 168486

Education Information

- I. Doctorate, Istanbul University, Faculty Of Pharmacy , Farmasötik Teknoloji Anabilim Dalı, Turkey 2011 - 2017
- II. Postgraduate, Istanbul University, Faculty Of Pharmacy , Farmasötik Teknoloji Anabilim Dalı, Turkey 2008 - 2011
- III. Undergraduate, Istanbul University, Faculty Of Pharmacy , -, Turkey 2003 - 2007

Foreign Languages

- I. English, B2 Upper Intermediate

Certificates, Courses and Trainings

- I. Education Management and Planning, 1. Aktif Öğrenme Yöntemleri ve Soru Hazırlama Kursu-Eğitici Formasyonu Eğitimi., Kurumsal Eğitim Yönetimi ve Planlama Sistemi (KEYPS) Eğitim Departmanı, 2017

Dissertations

- I. Doctorate, Topikal uygulamaya yönelik polimerik misel sistemlerinin geliştirilmesi, Istanbul University, Faculty of Pharmacy , Farmasötik Teknoloji Anabilim Dalı, 2017
- II. Postgraduate, Misel oluşturan, biyobozunur, biyoyumlu, katyonik polimerler ile ilaçların nazal yol ile uygulanması, Istanbul University, Faculty of Pharmacy , Farmasötik Teknoloji Anabilim Dalı, 2011

Research Areas

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

Academic Titles / Tasks

- I. Assistant Professor, Istanbul University, Faculty of Pharmacy , Department of Pharmaceutical Technology, 2018 - Continues
- II. Research Assistant, Istanbul University, Faculty of Pharmacy , Department of Pharmaceutical Technology, 2010 -

Courses

- I. Undergraduate, 2021 - 2022
- II. Bitirme Projesi II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
- III. Endüstri Eczacılığı Kurulu V, Undergraduate, 2020 - 2021
- IV. Postgraduate, 2021 - 2022
- V. Undergraduate, 2021 - 2022, 2020 - 2021
- VI. Nanopharmaceuticals, Undergraduate, 2021 - 2022
- VII. Introduction to Pharmaceutical Technology, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VIII. Eczane Eczacılığı Kurulu VI, Undergraduate, 2021 - 2022
- IX. Bilimsel Araştırma Teknikleri ve Yayın Etiği, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
- X. Endüstri Eczacılığı Kurulu III, Undergraduate, 2020 - 2021, 2019 - 2020
- XI. Bitirme Projesi I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
- XII. Temel Eczacılık Kurulu I, Undergraduate, 2020 - 2021, 2019 - 2020
- XIII. Pharmaceutical Technology III, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of Critical Quality Attributes of Dapsone Gel**
Kalami E., Kahraman E., Dedeoğlu E., Gürbüz K., Özsoy Y., GÜNGÖR S.
Dissolution Technologies, vol.30, no.1, pp.30-35, 2023 (SCI-Expanded)
- II. **Posaconazole micelles for ocular delivery: in vitro permeation, ocular irritation and antifungal activity studies**
Durgun M. E., Kahraman E., Hacıoğlu M., Gungor S., Ozsoy Y.
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, vol.12, no.3, pp.662-675, 2022 (SCI-Expanded)
- III. **Assessment of membrane type effects on in vitro performance of topical semi-solid products**
Kocabas N. O., KAHRAMAN ŞİRİN E., GÜNGÖR S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.64, 2021 (SCI-Expanded)
- IV. **Nanocarriers Mediated Cutaneous Drug Delivery**
Güngör S., Kahraman E.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.158, 2021 (SCI-Expanded)
- V. **Optimization and Characterization of Aqueous Micellar Formulations for Ocular Delivery of an Antifungal Drug, Posaconazole**
Durgun M., Kahraman E., Güngör S., Özsoy Y.
CURRENT PHARMACEUTICAL DESIGN, vol.26, no.14, pp.1543-1555, 2020 (SCI-Expanded)
- VI. **The combination of nanomicelles with terpenes for enhancement of skin drug delivery**
Kahraman E., NEŞETOĞLU N., GÜNGÖR S., ÜNAL D. Ş., Özsoy Y.
International Journal of Pharmaceutics, vol.551, pp.133-140, 2018 (SCI-Expanded)
- VII. **Polymeric micellar nanocarriers of benzoyl peroxide as potential follicular targeting approach for acne treatment**
Kahraman E., ÖZHAN G., Özsoy Y., GÜNGÖR S.
Colloids and Surfaces B: Biointerfaces, vol.146, pp.692-699, 2016 (SCI-Expanded)
- VIII. **Polyethylenimine Modified and Non-Modified Polymeric Micelles Used for Nasal Administration of Carvedilol**
Kahraman E., Karagoz A., Dincer S., Ozsoy Y.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.11, no.5, pp.890-899, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design and characterisation of colloidal nanocarriers for enhanced skin delivery of etodolac**
Saribey G., Kahraman E., ERDAL M. S., GÜNGÖR S.
Journal of Research in Pharmacy, vol.25, no.1, pp.22-33, 2021 (ESCI)
- II. **Design of skin-simulating nanoformulations for ceramide replacement in the skin: a preliminary study**
Bektay H. Ş., Kahraman E., Güngör S.
Macedonian Pharmaceutical Bulletin, vol.66, no.1, pp.101-102, 2020 (Peer-Reviewed Journal)
- III. **Effects of polyvinylpyrrolidone and ethyl cellulose in polyurethane electrospun nanofibers on morphology and drug release characteristics Elektro-eğirme yöntemi ile üretilen poliüretan nanofiblerin morfolojileri ve ilaç salım özellikleri üzerinde polivinilpirolidon ve etil selülozun etkileri**
Gençtürk A., Kahraman E., GÜNGÖR S., Özsoy Y., Saraç A. S.
Turkish Journal of Pharmaceutical Sciences, vol.17, no.6, pp.638-644, 2020 (ESCI)
- IV. **Recent Approaches on Novel Topical Delivery Systems for Atopic Dermatitis Treatment.**
Kahraman E., Aydılek N., Güngör S.
Recent patents on drug delivery & formulation, vol.14, pp.191-200, 2020 (Scopus)
- V. **Recent Advances on Topical Application of Ceramides to Restore Barrier Function of Skin**
Kahraman E., Kaykin M., Bektay H. S., GÜNGÖR S.
COSMETICS, vol.6, no.3, 2019 (ESCI)
- VI. **Potential enhancement and targeting strategies of polymeric and lipid-based nanocarriers in dermal drug delivery**
Kahraman E., Gungor S., Ozsoy Y.
THERAPEUTIC DELIVERY, vol.8, no.11, pp.967-985, 2017 (ESCI)
- VII. **Polimerik miseller ve nazal yol ile uygulamaları**
KAHRAMAN E., Özsoy Y.
İstanbul Üniversitesi Eczacılık Fakültesi Dergisi, vol.41, pp.121-139, 2010 (Non Peer-Reviewed Journal)
- VIII. **POLYMERIC MICELLES AND ITS NASAL APPLICATIONS**
KAHRAMAN ŞİRİN E., ERGİNER Y.
ISTANBUL JOURNAL OF PHARMACY, vol.41, pp.121-139, 2010 (ESCI)

Books & Book Chapters

- I. **Nasal Delivery of High Molecular Weight Drugs: Recent Trends and Clinical Evidence**
Kahraman Şirin E., Güngör S., Erginer Y.
in: Nasal Drug Delivery, Yashwant V. Pathak, Hemant K. S. Yadav, Editor, Springer Nature, Basel, pp.253-277, 2023
- II. **Polymeric micellar nanocarriers: topical treatment of inflammatory diseases**
Kahraman Şirin E., Durgun M. E., Güngör S., Erginer Y.
in: Polymeric Micelles for Drug Delivery, Prashant Kesharwani, Khaled Greish, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.115-143, 2022
- III. **Recent advances in biopolymer-based transdermal patches**
Güngör S., Kahraman E., Erdal M. S., Özsoy Y.
in: Biopolymer Membranes and Films, Health, Food, Environment, and Energy Applications, Mariana Agostini de Moraes, Classius Ferreira da Silva, Rodrigo Silveira Vieira, Editor, Elsevier Science, Oxford/Amsterdam, Chennai, pp.195-217, 2020
- IV. **Polymeric micelles as a novel carrier for ocular drug delivery**
Özsoy Y., Güngör S., Kahraman E., Durgun M. E.
in: Nanoarchitectonics in Biomedicine, Grumezescu AM, Editor, William Andrew Publishing, New York, pp.85-117, 2019

V. **Polymeric micelles for cutaneous drug delivery**

GÜNGÖR S., KAHRAMAN E., ERGİNER Y.

in: Nano Based Drug Delivery, Naik J., Editor, Iapc Publishing, Zagreb, pp.369-384, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **α -Bisabolol and isoconazole co-loaded liposomes for antifungal drug delivery**
Şahin Bektay H., Çakmak S. M., Kahraman Şirin E., Mataracı Kara E., Güngör S.
20th International Pharmaceutical Technology Symposium, Ankara, Turkey, 21 - 23 February 2022, pp.87-88
- II. **Pickering emulsions stabilized by cyclodextrin derivatives for treatment of atopic dermatitis: Optimization and in vitro characterization**
Aydilek N., Kahraman E., Güngör S.
13th International Symposium on Pharmaceutical Sciences (ISOPS-13), Ankara, Turkey, 22 - 25 June 2021, pp.1-2
- III. **Optimization and Characterization of Posaconazole Loaded Nanomicelles for Ocular Delivery**
Güngör S., Durgun Kılıç M. E., Kahraman E., Erginer Y.
XIII Spanish-Portuguese Conference on Controlled Drug Delivery, A-Coruna, Spain, 22 - 24 January 2020, pp.1-2
- IV. **Bioequivalence assessment of generic topical gels using in vitro methods**
Kalami E., Kahraman E., Dedeoğlu E., Gürbüz K., Güngör S., Özsoy Y.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.1-2
- V. **Nanomicellar carriers of posaconazole: A novel approach to improve its ocular bioavailability**
Durgun Kılıç M. E., Kahraman E., Güngör S., Özsoy Y.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.1-2
- VI. **Flexible nano-sized vesicles as novel ocular delivery systems for voriconazole: Optimization and characterization studies.**
Aksu N. B., Kalami E., KAHRAMAN E., GÜNGÖR S., Özsoy Y.
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.108
- VII. **Skin penetration enhancement mechanism of mixed micelles.**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.83
- VIII. **Novel topical nano-carriers to improve penetration of tacrolimus into the skin**
KAHRAMAN E., NEŞETOĞLU N., GÜNGÖR S., ÜNAL D. Ş., ERGİNER Y.
FIP World Congress of Pharmacy and Pharmaceutical Sciences 2017, Seoul, South Korea, 10 - 14 September 2017
- IX. **Penetration enhancer-containing nanomicelles for topical delivery: Impact on skin barrier.**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
The 44th Annual Meeting & Exposition of the Controlled Release Society, Boston, United States Of America, 16 - 19 July 2017
- X. **Improving skin delivery of lipophilic compounds via enhancer-containing polymeric micelles**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
6th Pharmaceutical Sciences World Congress, Stockholm, Sweden, 21 - 24 May 2017
- XI. **Tacrolimus Loaded Pluronic®F127 Micelles: Cellular Viability and Cell Growth for Ocular Administration**
KAHRAMAN E., KARACA M., TEKARSLAN ŞAHİN Ş. H., YILDIZ PEKÖZ A., ERGİNER Y., GÜNGÖR S.
The 6th Pharmaceutical Sciences World Congress, Stockholm, Sweden, 21 - 24 May 2017
- XII. **Nano carriers as core-shell structure for the effective treatment of skin disorders**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
2nd World Conference on Technology, Innovation and Entrepreneurship "Reforms for Intellectual Economy and Innovative Entrepreneurship, İstanbul, Turkey, 12 - 14 May 2017, pp.80
- XIII. **Fabrication and characterization of nano-micelles for topical ocular therapy**
Durgun M. E., KAHRAMAN E., GÜNGÖR S., Özsoy Y.

22nd International Biomedical Science and Technology Symposium (BIOMED 2017), Ankara, Turkey, 12 - 14 May 2017, pp.85

- XIV. **Improved drug localization in the skin via topical nano-micellar carriers**
KAHRAMAN E., NEŞETOĞLU N., ÖZTAŞ E., ÖZHAN G., ÜNAL D. Ş., GÜNGÖR S., ERGİNER Y.
22ND INTERNATIONAL BIOMEDICAL SCIENCE & TECHNOLOGY SYMPOSIUM, Ankara, Turkey, 12 - 14 May 2017
- XV. **A promising targeted approach for skin delivery**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.709
- XVI. **Nano-micellar drug carriers for topical ocular administration**
Durgun M. E., KAHRAMAN E., GÜNGÖR S., Özsoy Y.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.713
- XVII. **Preliminary Studies on Topical Polymeric Micellar Formulations of Immunomodulatory Drugs**
KAHRAMAN E., GÜNGÖR S., ÖZSOY Y.
Skin Forum 15th Annual Meeting, Londra, United Kingdom, 21 - 22 June 2016, pp.1-2
- XVIII. **Optimization of Electrospun Nanofiber Mats for Transdermal Delivery**
Gençtürk A., KAHRAMAN E., ÖZHAN G., GÜNGÖR S., ERGİNER Y., Saraç A. S.
Controlled Release Society Annual Meeting 2015, Edinburgh, United Kingdom, 26 - 29 July 2015, pp.1-2
- XIX. **Polymeric nano-sized micelles: Targeting to hair follicles for skin diseases**
KAHRAMAN E., GÜNGÖR S., Özsoy Y.
Nanobiotechnology Days 2015, İstanbul, Turkey, 14 - 15 May 2015
- XX. **Pluronic F127 micellar carriers for topical acne treatment**
KAHRAMAN E., Özsoy Y., GÜNGÖR S.
1st European Conference on Pharmaceutics Drug Delivery, Reims, France, 13 - 14 April 2015, pp.1-2
- XXI. **Polymeric micellar nanocarriers: Improved chemical stability and enhanced skin deposition of anti-acne drugs**
KAHRAMAN E., Özsoy Y., GÜNGÖR S.
World Congress of the International Society for Biophysics and Imaging of the Skin (ISBS): Emerging Measurements Meets the Cutting Edge in Medicine, Connecticut, United States Of America, 2 - 04 June 2014
- XXII. **In vitro and ex vivo evaluation of verapamil loaded nasal inserts.**
Yenil Ö., Kahraman E., ERGİNER Y.
16th International Pharmaceutical Technology Symposium, Antalya, Turkey, 10 - 12 September 2012, pp.261-262
- XXIII. **In Situ Gelling Nasal Inserts of Verapamil Hcl: In Vitro And Ex Vivo Evaluation**
Yenil Ö., Kahraman E., ERGİNER Y.
16th International Pharmaceutical Technology Symposium, Turkey
- XXIV. **A Novel drug delivery system for poorly soluble drugs: polymeric micelles**
KAHRAMAN E., Karagöz A., Dinçer S., Özsoy Y.
38th Annual Meeting and Exposition of the Controlled Release Society, Maryland, United States Of America, 30 July - 03 August 2011
- XXV. **Preparation of positively charged polymeric micelles for nasal drug delivery**
KAHRAMAN E., Karagöz A., Dinçer S., Özsoy Y.
3rd PharmSciFair,, Prag, Czech Republic, 13 - 17 June 2011, pp.23
- XXVI. **Preparation of positively charged polymers for nasal delivery**
Özsoy Y., KAHRAMAN E., Karagöz A., Dinçer S.
Particles 2010, Medical/Biochemical Diagnostic, Pharmaceutical and Drug Delivery Applications of Particle Technology, Florida, United States Of America, 22 - 25 May 2010

- I. ERGİNER Y., KAHRAMAN E., Project Supported by Higher Education Institutions, Topikal Uygulamaya Yönelik Polimerik Misel Sistemlerinin Geliştirilmesi, 2014 - 2017
- II. ERGİNER Y., GÜNGÖR S., KAHRAMAN E., Project Supported by Higher Education Institutions, OKÜLER UYGULAMAYA YÖNELİK TAKROLİMUS YÜKLÜ PLURONİK MİSELLERİN HAZIRLANMASI, 2014 - 2016

Patent

- I. Erginer Y., Durgun M. E., Kahraman Şirin E., Güngör S., Azol grupları içeren antifungal ilaç yüklü miseller taşıyıcıları içeren ve oküler uygulanabilen farmasötik formülasyonlar , Patent, CHAPTER A Human Needs, The Invention Registration Number: 201812979 , Standard Registration, 2022

Scientific Refereeing

- I. JOURNAL OF RESEARCH IN PHARMACY (ONLINE), National Scientific Refreed Journal, May 2021
- II. Clinical, Cosmetic and Investigational Dermatology, Other Indexed Journal, July 2018
- III. International Journal of Nanomedicine, SCI Journal, June 2018
- IV. International Journal of Nanomedicine, SCI Journal, May 2018
- V. International Journal of Nanomedicine, SCI Journal, April 2018
- VI. International Journal of Nanomedicine, SCI Journal, March 2018
- VII. International Journal of Nanomedicine, SCI Journal, February 2018
- VIII. Clinical, Cosmetic and Investigational Dermatology, Other Indexed Journal, January 2018
- IX. Drug Design, Development and Therapy, SCI Journal, November 2017

Metrics

Publication: 47
Citation (WoS): 230
Citation (Scopus): 270
H-Index (WoS): 8
H-Index (Scopus): 8

Congress and Symposium Activities

- I. 13th International Symposium on Pharmaceutical Sciences (ISOPS-13), Attendee, Ankara, Turkey, 2021
- II. 22nd International Biomedical Science and Technology Symposium (BIOMED 2017), Attendee, Ankara, Turkey, 2017
- III. İVEK 3rd International Convention of Pharmaceuticals and Pharmacies, Attendee, İstanbul, Turkey, 2017
- IV. The 42rd Annual Meeting & Exposition of the Controlled Release Society, Attendee, United Kingdom, 2015
- V. İstanbul Kemerburgaz Üniversitesi Nanobiotechnology Days 2015, Attendee, İstanbul, Turkey, 2015
- VI. 16th International Pharmaceutical Technology Symposium, Attendee, Antalya, Turkey, 2012
- VII. İlaç Endüstrisinde Teknoloji Transferi, Attendee, Eskişehir, Turkey, 2012
- VIII. Brookfield Semineri, Attendee, İstanbul, Turkey, 2012
- IX. 8th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Attendee, İstanbul, Turkey, 2012
- X. 3rd PharmSciFair, Attendee, Praha, Czech Republic, 2011

Coaching Duties

Refereeing Duties

Non Academic Experience

I. ALİ RAİF İLAÇ SANAYİ