

Assoc. Prof. U MAY MERVE GÜVEN BÖLGEN

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 31645

Education Information

Doctorate, Anadolu University, Institute Of Health Sciences, Farmasötik Teknoloji, Turkey 2011 - 2016

Undergraduate, Anadolu University, Faculty Of Pharmacy, Turkey 2005 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ANTIHİSTAMİNİK ETKİLİ OFTALMİK KONTROLLÜ SALIM GÖSTEREN FARKLI SİSTEMLER ÜZERİNDE ÇALIŞMALAR, Anadolu University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2016

Research Areas

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

Academic Titles / Tasks

Associate Professor, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Assistant Professor, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2018 - 2023

Research Assistant PhD, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2016 - 2018

Research Assistant, Anadolu University, Faculty Of Pharmacy, Department Of Pharmaceutical Technology, 2013 - 2016

Research Assistant, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2012 - 2013

Academic and Administrative Experience

Head of Department, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2023 - Continues

Rektörlük Stratejik Plan Komisyonu Üyesi, Cukurova University, Rektörlük, 2022 - Continues

Birim Kalite Komisyonu Başkanı, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2022 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2021 - Continues

Vice Dean, Cukurova University, Eczacılık Fakültesi, 2020 - Continues

Head of Department, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Member of the Commission, Cukurova University, Rektörlük, 2022 - 2023

Program Koordinatörü, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2018 - 2020

Internship Committee Member, Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - 2019

Advising Theses

Aksu F., Güven U. M., Designing and in vivo evaluation of microemulsion formulation containing capsaicin for the treatment of neuropathic pain, Postgraduate, R.SHAYYAH(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Co-Delivery of siRNA and Docetaxel to Cancer Cells by NLC for Therapy**
ŞENEL B., BAŞARAN E., AKYIL E., GÜVEN U. M., BÜYÜKKÖROĞLU G.
ACS Omega, vol.9, no.10, pp.11671-11685, 2024 (SCI-Expanded)
- II. **Ketorolac Tromethamine Loaded Nano-Spray Dried Nanoparticles: Preparation, Characterization, Cell Viability, COL1A1 Gene Simulation and Determination of Anti-inflammatory Activity by In vivo HET-CAM Assay**
Öztürk A. A., Çevikelli T., Güven U. M.
CURRENT DRUG DELIVERY, vol.20, no.6, pp.830-840, 2023 (SCI-Expanded)
- III. **In vitro-in vivo evaluation of olopatadine incorporated chitosan nanoparticles for the treatment of ocular allergy**
Güven U. M., Başaran E.
Journal Of Drug Delivery Science And Technology, vol.64, pp.1-8, 2021 (SCI-Expanded)
- IV. **Design of microemulsion formulations loaded Scutellaria salviifolia Benth, Sideritis libanotica Labill. subsp. linearis (Bentham) Bornm, and Ziziphora clinopodioides Lam. extracts from Turkey and in vitro evaluation of their biological activities**
GÜVEN U. M., Demirci Kayiran S., AYGÜL A., NENİ M., KIRICI S.
TURKISH JOURNAL OF BOTANY, vol.45, no.2, pp.789-799, 2021 (SCI-Expanded)
- V. **Effect of different molecular weight PLGA on flurbiprofen nanoparticles: formulation, characterization, cytotoxicity, and in vivo anti-inflammatory effect by using HET-CAM assay**
Ozturk A. A., Yenilmez E., Şenel B., Kıyan H. T., Güven U. M.
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.4, pp.682-695, 2020 (SCI-Expanded)
- VI. **Olopatadine hydrochloride loaded Kollidon (R) SR nanoparticles for ocular delivery: Nanosuspension formulation and in vitro-in vivo evaluation**
Güven U. M., Yenilmez E.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.51, pp.506-512, 2019 (SCI-Expanded)
- VII. **Development and in vitro/in vivo evaluation of thermo-sensitive in situ gelling systems for ocular allergy**
GÜVEN U. M., BERKMAN M. S., ŞENEL B., Yazan Y.
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.55, 2019 (SCI-Expanded)
- VIII. **Effects of Different Derivatives of Eudragit Polymer on Entrapment Efficiency, In Vitro Dissolution, Release Kinetics and Cell Viability Results on Extended Release Flurbiprofen Loaded Nanomedicines**
Ozturk A. A., GÜVEN U. M., Yenilmez E., Senel B.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.37, no.10, pp.1981-1992, 2018 (SCI-Expanded)
- IX. **Voriconazole Incorporated Polymeric Nanoparticles for Ocular Application**
Basaran E., Gencer H. K., Yenilmez E., GÜVEN U. M.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.10, pp.1983-1994, 2017 (SCI-Expanded)

- X. **Chitosan gel formulations containing egg yolk oil and epidermal growth factor for dermal burn treatment**
Yenilmez E., Basaran E., Arslan R., Berkman M. S., Guven U. M., Baycu C., Yazan Y.
PHARMAZIE, vol.70, no.2, pp.67-73, 2015 (SCI-Expanded)
- XI. **Ornidazole Incorporated Chitosan Nanoparticles for Ocular Application**
Basaran E., Senel B., Kirimlioglu G. Y., Guven U. M., Yazan Y.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.34, no.6, pp.1180-1188, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Metronidazole Loaded Novel Microemulsion Formulation for Topical Delivery and Characterization With Validated New UPLC Method**
ÇEVİKELLİ T., GÜVEN U. M., ÖZTÜRK A. A.
Fabad Journal of Pharmaceutical Sciences, vol.49, no.1, pp.111-128, 2024 (Scopus)
- II. **Preparation of Lidocaine Hydrochloride Containing Chitosan-Based Buccal Films for Mucositis: In-Vitro Evaluation and Cytotoxicity Assay**
Demirtürk E., Çevikelli T., Güven U. M., Boran T., Özhan G.
JOURNAL OF ISTANBUL FACULTY OF MEDICINE-ISTANBUL TIP FAKULTESİ DERGISI, vol.54, no.1, pp.20-31, 2024 (ESCI)
- III. **PREPARATION AND IN VITRO CHARACTERIZATION OF LIDOCAINE LOADED ALOE VERA GEL FORMULATION FOR THE TREATMENT OF BURN WOUNDS**
GÜVEN U. M., Çevikelli T., Songüloğlu S., demirci s.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.3, pp.1041-1052, 2023 (Scopus)
- IV. **Thermosensitive in situ gel formulation and characterization studies of Sambucus ebulus L. extract**
GÜVEN U. M., Yakut Y., Çakır N., Demirci S.
Istanbul Journal of Pharmacy, vol.53, no.1, pp.27-38, 2023 (Peer-Reviewed Journal)
- V. **Development and validation of an HPLC method for determination of quercetin**
Onan D., Çevikelli T., Güven U. M., Demirtürk E.
Journal of Pharmaceutical Technology published by Mustafa Sinan Kaynak, vol.3, no.1, pp.1-6, 2022 (Peer-Reviewed Journal)
- VI. **Calendula officinalis L. bitkisinin morfolojik özellikleri, ekstre içeren topikal ilaç formülasyonu geliştirilmesi ve in vitro değerlendirilmesi**
Güven U. M., Arslan S., Cıracı M. B., Demirci S.
Mersin Üniversitesi Tıp Fakültesi Lokman Hekim Tıp Tarihi ve Folklorik Tıp Dergisi, vol.12, no.1, pp.105-115, 2022 (Peer-Reviewed Journal)
- VII. **Evaluation of carvedilol-loaded Eudragit (R) nanoparticles**
Güven U. M., Ozturk A. A., Yenilmez E.
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.1, pp.71-81, 2020 (ESCI)
- VIII. **Preparation, characterization and in-vitro evaluation of theophylline loaded microemulsion formulations**
ÇEVİKELLİ T., ONAN D., DEMİRTÜRK E., GÜVEN U. M.
Journal of Pharmaceutical Technology, vol.1, 2020 (Peer-Reviewed Journal)
- IX. **DEVELOPMENT AND VALIDATION OF UPLC METHOD FOR THE DETERMINATION OF OLOPATADINE HYDROCHLORIDE IN POLYMERIC NANOPARTICLES**
Güven U. M., Berkman M. S., Yazan E. Y.
ACTA PHARMACEUTICA SCIENTIA, vol.57, no.1, pp.7-18, 2019 (Scopus)
- X. **Cefaclor monohydrate loaded microemulsion formulation for topical application: Characterization with new developed UPLC method and stability study**
Ozturk A. A., GÜVEN U. M.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.3, pp.426-440, 2019 (ESCI)

- XI. **Flurbiprofen loaded gel based topical delivery system: formulation and in vitro characterization with new developed uplc method**
Öztürk A. A., Güven U. M., Yenilmez E.
ACTA Pharmaceutica Scientia, vol.56, no.4, pp.81-105, 2018 (Scopus)
- XII. **Preformulation Study of Olopatadine Hydrochloride for the Treatment Ocular Allergy**
GÜVEN U. M., BERKMAN M. S., YAZAN Y.
Journal of Nanomedicine & Nanotechnology, vol.5, no.5, pp.268, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **MEDICINAL USES AND COSMETIC FORMULATION OF THE GENUS ROSA L.**
GÜVEN U. M., DEMİRCİ KAYIRAN S.
in: ROSA, MİNE KOÇYİĞİT, YAĞMUR EMRE ARICAN, YUSUF KENAN HASPOLAT, Editor, ORİENT YAYINEVİ, Ankara, pp.42-47, 2023
- II. **ORIGANUM SYRIACUM L.**
SAĞALTICI G., DEMİRCİ KAYIRAN S., GÜVEN U. M.
in: MEDICINAL AND AROMATIC PLANTS, MİNE KOÇYİĞİT, YUSUF KENAN HASPOLAT, Editor, ORİENT YAYINEVİ, Ankara, pp.19-28, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation and in vitro evaluation of topical cream formulation containing Oleum rosmarini for use in the treatment of rheumatism**
ÇEVİKELLİ T., GÜVEN U. M., Tezcan N., DEMİRCİ KAYIRAN S.
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Turkey, 11 - 13 October 2023
- II. **Determination of the Anti-Inflammatory Activity of Nano Spray-Dried Nanoparticles with in Vivo HET-CAM Assay That can be Used in Post-Operative Wound Healing**
ÖZTÜRK A. A., ÇEVİKELLİ T., GÜVEN U. M., KIYAN H. T.
2. International Congress on Biological and Health Sciences, 24 February 2022
- III. **COL1A1 GENE STIMULATION BY KETOROLAC TROMETHAMINE LOADED NANO! SPRAY DRIED NANOPARTICLES**
ÖZTÜRK A. A., ÇEVİKELLİ T., GÜVEN U. M., KAYA TILKİ E.
20th International Pharmaceutical Technology Symposium, Turkey, 21 - 23 February 2022
- IV. **INVESTIGATION OF ANALGESIC AND ANTI-INFLAMMATORY EFFECTS OF CONTROLLED RELEASE ORAL EMULSION FORMULATION CONTAINING CENTAUREA LYCOPIFOLIA EXTRACTION**
EBRAHİMİ S., DEMİRCİ KAYIRAN S., GÜVEN U. M., TARI Ö., AVCİ Ç., ÜNAL İ., AKSU F.
TÜRK FARMAKOLOJİ DERNEĞİ 26. ULUSAL ve 1. ULUSLARARASI FARMAKOLOJİ KONGRESİ, Turkey, 4 - 07 November 2021, pp.51
- V. **Development of Controlled release Quercetin Microemulsion Based Gel System for Topical Application, an in vitro Evaluation**
ONAN D., ÇEVİKELLİ T., GÜVEN U. M., DEMİRTÜRK E.
ISOPS 13th International Symposium on Pharmaceutical Sciences, 22 - 25 June 2021
- VI. **Gentamisin ile nefrotoksisite oluşturulan sıçanlarda Cyclotrichium niveum'xxun koruyucu etkisi.**
ÖZSAYIN H. G., ÖZÜ Ö., DEMİRCİ KAYIRAN S., GÜVEN U. M., DAĞLIOĞLU G., ÇETİNER S., TÜRK M., KUYUCU Y., DAĞLIOĞLU Y. K., SEÇİLMİŞ M. A.
25. ULUSAL FARMAKOLOJİ KONGRESİ 9. Klinik Farmakoloji Sempozyumu ve 8. Klinik Toksikoloji Sempozyumu, Turkey, 4 - 07 November 2019
- VII. **Comparison of Lidocain Hydrochloride Film Formulations Prepared by Chitosan Extracted from**

Metapenaeus Stebbingi Shells and Commercial Chitosans

DEMİRTÜRK E., GÜVEN U. M., ÇEVİKELLİ T.

8th BBBB International Conference on Pharmaceutical Sciences, 14 - 16 October 2019

- VIII. **Development of prolonged release ketorolac tromethamine loaded in situ gelling system and nanoparticles by nano spray drying method: formulation and in vitro characterization**
ÇEVİKELLİ T., ÖZTÜRK A. A., GÜVEN U. M.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.55-57
- IX. **Preparation and in vitro Evaluation of Nanosuspension Containing Cefpodoxime Proxetil By Nano-Spray Drying Method**
GÜVEN U. M.
2019 International Conference on Materials and Nanomaterials, 17 - 19 July 2019
- X. **Investigation of Antinociceptive effect of Chrysophthalmum montanum (DC.) Boiss. Extract in Mice.**
ALAN T., ALAN S., DEMİRCİ KAYIRAN S., GÜVEN U. M., AKSU F.
Federation of European Neuroscience Societies Regional Meeting, Belgrade, Serbia And Montenegro, 10 - 13 July 2019, pp.626
- XI. **COMPARISON OF LIDOCAIN HYDROCHLORIDE FILM FORMULATIONS PREPARED BY CHITOSAN EXTRACTED FROM METAPENAEUS STEBBINGI SHELLS WITH COMMERCIAL CHITOSANS**
DEMİRTÜRK E., GÜVEN U. M., ÇEVİKELLİ T.
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, vol.1
- XII. **Preparation and In Vitro Characterization of Carvedilol Loaded Polymeric Nanoparticles for Drug Delivery**
GÜVEN U. M., ÖZTÜRK A. A., YENİLMEZ E.
12. International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1-2
- XIII. **In Vitro Release Studies and HPLC Method for the Determination of Carvedilol in Nanoparticle Systems**
GÜVEN U. M., ÖZTÜRK A. A., YENİLMEZ E.
12. International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1-2
- XIV. **Flurbiprofen Loaded Eudragit® RSPO and Eudragit® RLPO Nanoparticles for Extended Analgesic Activity**
ÖZTÜRK A. A., GÜVEN U. M., YENİLMEZ E., ŞENEL B.
EUFEPS Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018, pp.1-2
- XV. **Flurbiprofen Loaded Gel Formulation and Characterization with New Developed UPLC Method?**
ÖZTÜRK A. A., GÜVEN U. M., YENİLMEZ E., ŞENEL B.
EUFEPS Annual Meeting 2018, Atina, Greece, 24 - 26 May 2018, pp.1-2
- XVI. **Çukurova Üniversitesi Eczacılık Fakültesi Eczacılık Eğitiminde Sosyal Sorumluluk Projelerinin Yeri ve Önemi**
GÜVEN U. M., AYGÜL A., DEMİRTÜRK E., TARI Ö., DEMİRCİ KAYIRAN S., AYDINOĞLU F., ALPTEKİN Ö., AYDINOĞLU S., BÜYÜKNACAR H. S., ÇIRALIGİL P., et al.
II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, 10 - 11 May 2018
- XVII. **Çukurova Üniversitesi Eczacılık Fakültesi Eczacılık Eğitiminde Sosyal Sorumluluk Projelerinin Yeri ve Önemi**
GÜVEN U. M., AYGÜL A., DEMİRTÜRK E., TARI Ö., DEMİRCİ KAYIRAN S., AYDINOĞLU F., ALPTEKİN Ö., AYDINOĞLU S., BÜYÜKNACAR H. S., ÇIRAGIL P., et al.
II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Eskişehir, Turkey, 10 - 11 May 2018, pp.35
- XVIII. **Design and Evaluation of Kollidon® SR Based Polymeric Nanoparticles for Ocular Delivery**
GÜVEN U. M., YENİLMEZ E.
3rd Annual Formulation Drug Delivery Congress 8-9 May 2017, London, UK, 8 - 09 May 2017
- XIX. **Çocuk Gelişimine Katkı Sağlayabilecek Balık Yağı İçeren Mikroemülsiyon Formülasyonu Tasarım ve Karakterizasyon Çalışması**
GÜVEN U. M., YAZAN Y.
TEB 13. Türkiye Eczacılık Kongresi, İstanbul, Turkey, 21 - 24 December 2016, pp.1

- XX. **Study of Sustained Ophthalmic Drug Delivery Systems Based on Polymers**
GÜVEN U. M., BERKMAN M. S., YAZAN E. Y.
ISBPPB Society - Conference Biomedical Polymers Polymeric Biomaterial, 11 - 12 August 2016
- XXI. **Ophthalmic Drug Delivery Systems Based on Polymers**
GÜVEN U. M., BERKMAN M. S., YAZAN Y.
ISBPPB Society - Conference Biomedical Polymers & Polymeric Biomaterials, New Jersey, United States Of America, 11 - 12 August 2016, pp.31
- XXII. **Ocular Drug Delivery of Olopatadine Hydrochloride Using Temperature Modulated In Situ Gelling Systems**
GÜVEN U. M., BERKMAN M. S., YAZAN Y.
ISBPPB Society - Conference Biomedical Polymers & Polymeric Biomaterials, New Jersey, United States Of America, 11 - 12 August 2016, pp.30
- XXIII. **Microemulsion Formulation Study of Olopatadine Hydrochloride for the Treatment Ocular Allergy**
GÜVEN U. M., BERKMAN M. S., YAZAN E. Y.
2nd Annual World Congress of Smart Materials-2016, 4 - 06 March 2016
- XXIV. **Microemulsion Formulation Study of Olopatadine Hydrochloride for the Treatment of Ocular Allergy**
GÜVEN U. M., BERKMAN M. S., YAZAN Y.
BIT's 2nd Annual World Congress of Smart Materials, Singapur, Singapore, 4 - 06 March 2016, pp.650
- XXV. **Preformulation Study of Olopatadine Hydrochloride for the Treatment Ocular Allergy**
GÜVEN U. M., BERKMAN M. S., YAZAN E. Y.
4th International Conference on Nanotek Exposition, 1 - 03 December 2014

Supported Projects

GÜVEN U. M., YENİLMEZ E., Project Supported by Higher Education Institutions, Design and Evaluation of Kollidon SR Based Polymeric Nanoparticles for Ocular Delivery, 2017 - 2017

Memberships / Tasks in Scientific Organizations

Kozmetik Araştırmacıları Derneği, Member, 2011 - Continues
Türk Eczacıları Birliği, Member, 2011 - Continues
Kozmetik Araştırmacıları Derneği, Board Member, 2014 - 2016

Scientific Refereeing

Acta Pharmaceutica Scientia, Other Indexed Journal, January 2017

Metrics

Publication: 51
Citation (WoS): 80
Citation (Scopus): 109
H-Index (WoS): 6
H-Index (Scopus): 7

Congress and Symposium Activities

12. Internation Symposium on Pharmaceutical Sciences, Attendee, Ankara, Turkey, 2018
3rd Annual Formulation & Drug Delivery Congress, Attendee, London, United Kingdom, 2017
ISBPPB Society ? Conference on Biomedical Polymers & Polymeric Biomaterials, Attendee, New Jersey, United States Of America, 2016
TEB 13. Türkiye Eczacılık Kongresi, Attendee, İstanbul, Turkey, 2016
2nd Annual Formulation & Drug Delivery Congress and Inhalation & Respiratory Drug Delivery Congress, Attendee, London, United Kingdom, 2016
BIT?s 2nd Annual World Congress of Smart Materials, Attendee, Singapore, Singapore, 2016
Multidisciplinary Symposium on Drug Research & Development, Attendee, Eskişehir, Turkey, 2015
4th International Conference on Nanotek & Exposition, Attendee, California, United States Of America, 2014
Nanoilaçlar, Tedavide Umutlu Adımlar ve Türkiye, Attendee, Turkey, 2014
10th International Cosmetic Symposium on `Antiaging Cosmetics, Attendee, Turkey, 2013
9th International Cosmetic Symposium and 2nd Home and Personal Care Ingredients Congress, Attendee, İstanbul, Turkey, 2011