

# Prof. Fatma DEMİRKAYA MİLOĞLU

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 37569

## Education

Doctorate, Ataturk University, Eczacılık Fakültesi, Analitik Kimya, Turkey 2003 - 2009

Postgraduate, Ataturk University, Eczacılık Fakültesi, Analitik Kimya, Turkey 2000 - 2003

Undergraduate, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisi, Turkey 1996 - 2000

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Training, Orpheus Danışmanlık Çalıştayı, Atatürk Üniversitesi Sağlık Bilimleri Enstitüsü, 2021

## Dissertations

Doctorate, A, E ve K vitaminlerinin farmasötik preparatlarda, insan plazmasında ve tavşan plazmasında farklı analitik yöntemlerle miktar analizi, Atatürk Üniversitesi, Eczacılık Fakültesi, Analitik Kimya, 2009

Postgraduate, Karbamazepinin UV-Visible Spektrofotometri ve HPLC yöntemiyle miktar analizi, Atatürk Üniversitesi, Eczacılık Fakültesi, Analitik Kimya, 2003

## Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Analytical Chemistry

## Academic Positions

Professor, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Assistant Professor, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2010 - 2015

Expert, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2009 - 2010

Research Assistant, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2004 - 2009

## Academic and Administrative Experience

Erasmus Program Institutional Coordinator, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2023 - Continues

Eczacılık Fakültesi Dijitalleşme Komisyon üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Labsis Komisyonu üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Eczacılık Fakültesi Araştırma İşbirlikleri Geliştirme Komisyon üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Eczacılık Fakültesi Toplumsal Duyarlılık Proje Komisyon üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Etkinlikleri Takip Komisyonu üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Eczacılık Fakültesi Sosyal Etkinlikler Komisyon Üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Öğrenci Değişim Programları Bologana Koordinatörü, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Eczacılık Fakültesi İş Sağlığı ve Güvenliği kurulu İşveren Vekili, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Rehberlik Danışmanlık-Burs Komisyonu üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Rectorate Commissioner, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Birim Kalite Komisyonu Üyesi, Ataturk University, Sağlık Bilimleri Enstitüsü, 2021 - Continues

Birim Stratejik Plan Komisyonu Üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Coordinator of The Rectorate, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Birim Kalite Komisyonu Üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Deputy Head of Department, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - Continues

Coordinator of The Rectorate, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - Continues

Farabi Coordinator, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2017 - Continues

Vice Dean, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - 2024

Öz Değerlendirme Komisyon üyesi, Ataturk University, Eczacılık Fakültesi, 2021 - 2022

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2017 - 2021

Coordinator of The Rectorate, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2017 - 2019

Head of Department, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2015 - 2017

## Courses

### Doctorate

Sıvı Kromatografisi- Kütle Spektrometresi (LS-MS) ve Analitik Kimyada Uygulamaları, Doctorate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020

IR (İnfrared spektroskopisi) ve uygulamaları, Doctorate, 2019 - 2020

### Postgraduate

İlaç Analizlerinde Kromatografik Yöntemler, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Spektroskopik Tekniklerin İlaç Analizlerinde Uygulanmaları, Postgraduate, 2022 - 2023, 2021 - 2022

Spektral Yöntemlerle Organik Yapı Analizi, Postgraduate, 2019 - 2020

## Undergraduate

Analitik Kimya lab-II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Besin Analizleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Analitik Kimya II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mezuniyet Projesi II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019

Biyoelementler ve Analiz Yöntemleri, Undergraduate, 2023 - 2024, 2021 - 2022

Doping Uyuşturucu Maddeler ve Analiz Yönetimi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Akademik Eczacılığa Yönelme, Undergraduate, 2023 - 2024

Mezuniyet Projesi I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Analitik Kimya lab-I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Sosyal Sorumluluk, Undergraduate, 2022 - 2023, 2021 - 2022

Genel Kimya II , Undergraduate, 2020 - 2021

Analitik Kimya I , Undergraduate, 2021 - 2022

Genel Kimya I , Undergraduate, 2021 - 2022

Genel Kimya I, Undergraduate, 2019 - 2020

## Supervised Theses

Demirkaya Miloğlu F., HELİCHRYSUM PLİCATUM SUBSP. PSEUDOPLİCATUM BİTKİ EKSTRESİNDEKİ KLOROJENİK ASİTİN HPLC YÖNTEMİ İLE ANALİZİ VE BİTKİ EKSTRESİNİN YARA İYİLEŞTİRME ÜZERİNE ETKİSİNİN İNCELENMESİ, Postgraduate, A.AKPINAR(Student), 2020

Demirkaya Miloğlu F., Zinpir-1 Ligandı ile fonksiyonlaştırılmış Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub> nanokompozitlerini kullanarak oral prekanser ve oral kanser hastalarının tükürük çinko seviyelerinin belirlenmesi için yeni bir spektrofotometrik yöntemin geliştirilmesi, Doctorate, E.POLATDEMİR(Student), 2019

Demirkaya Miloğlu F., Pantoprazol etkin maddesinin farmasötik preparatlarda farklı analitik yöntemlerle miktar tayini, Postgraduate, T.YERKAYA(Student), 2018

DEMİRKAYA MİLOĞLU F., Farmasötik preparatlarda losartan potasyumun spektrofotometrik yöntem ile analizi, Postgraduate, E.Miroğlu(Student), 2013

DEMİRKAYA MİLOĞLU F., Anti-hipertansif bir ilaç olan losartan potasyumun farmasötik preparatlarda ve tavşan plazmasında biyoanalitik yöntem validasyonu, Postgraduate, M.Emrah(Student), 2012

## Jury Memberships

Academic Staff Examination, Academic Staff Examination, Ağrı İbrahim Çeçen Üniversitesi, January, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2023

Competition, Eczacılık Fakülteleri proje eğitim zirvesi , Gazi Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Marmara Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, December, 2022

Doctorate, Doctorate, İnönü Üniversitesi, January, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2021

Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, October, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, August, 2021

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Plasma metabolomic signatures after oral administration of ritonavir in COVID-19 treatment via chemometrics-assisted UPLC/Q-TOF/MS/MS**  
DEMİR KAYA MİLOĞLU F., BAYRAK B., YÜKSEL B., Demir S. N., Gundogdu G., KADIOĞLU Y., HASSIBELNABY A. M. A.  
Journal of Pharmaceutical and Biomedical Analysis, vol.255, 2025 (SCI-Expanded)
- II. **A simple HPLC method for the determination of plasma progesterone levels in the third trimester of human pregnancy.**  
Albayrak M., Kadioglu Y., Demirkaya-Miloglu F., Borekci B.  
Laboratory medicine, 2024 (SCI-Expanded)
- III. **Development and validation of a UHPLC-ESI-MS/MS method for the simultaneous determination of organic acids and phenolic compounds in *Filipendula vulgaris*, *Polygonum divaricatum*, *Hypericum linarioides*, and *Rheum ribes***  
Can H., Güven L., Demirkaya Miloğlu F., Abd El-Aty A. M. A.  
Microchemical Journal, vol.201, 2024 (SCI-Expanded)
- IV. **Anti-Inflammatory Effects of Boric Acid in Treating Knee Osteoarthritis: Biochemical and Histopathological Evaluation in Rat Model**  
Gundogdu K., Gundogdu G., Demirkaya Miloğlu F., Demirci T., Tascı S. Y., Hassibelnaby A. M. A.  
Biological Trace Element Research, vol.202, no.6, pp.2744-2754, 2024 (SCI-Expanded)
- V. **Comprehensive metabolic profiling of *Thymus canoviridis* (endemic) and *Thymus pubescens* var. *pubescens* using UPLC-MS/MS and evaluation of their antioxidant activities, enzyme inhibition abilities, and molecular docking studies**  
Güven L., Can H., Ertürk A., Miloğlu F., Koca M., İnce F., Gülçin İ.  
South African Journal of Botany, vol.165, pp.478-493, 2024 (SCI-Expanded)
- VI. **Evaluation the Effects of *Helichrysum plicatum* Subsp. *pseudoplicatum* on an In-Vitro Wound Model Using Human Dermal Fibroblast Cells**  
Miloglu F., Akpınar A., Güven L., Demirkaya A. K., Gundogdu G., Nalci K. A., Hacimuftuoglu A.  
INTERNATIONAL JOURNAL OF LOWER EXTREMITY WOUNDS, vol.22, no.2, pp.401-408, 2023 (SCI-Expanded)
- VII. **Screening of Antiglaucoma, Antidiabetic, Anti-Alzheimer, and Antioxidant Activities of *Astragalus alopecurus* Pall-Analysis of Phenolics Profiles by LC-MS/MS**  
Güven L., Erturk A., Miloğlu F., Alwaseel S., Gulcin İ.  
PHARMACEUTICALS, vol.16, no.5, 2023 (SCI-Expanded)
- VIII. **Higher number of microplastics in tumoral colon tissues from patients with colorectal adenocarcinoma**  
Çetin M., Demirkaya Miloğlu F., Kılıç Baygutalp N., Ceylan O., Yıldırım S., Eser G., Gül H. İ.  
ENVIRONMENTAL CHEMISTRY LETTERS, vol.21, no.2, pp.639-646, 2023 (SCI-Expanded)
- IX. **The Evaluation of the Effects of Nanoemulsion Formulations Containing Boron and/or Zinc on the Wound Healing in Diabetic Rats**  
Gundogdu G., Nalci K. A., Kaplan A. B., Gundogdu K., Demirci T., Miloglu F., Hacimuftuoglu A., Cetin M.  
INTERNATIONAL JOURNAL OF LOWER EXTREMITY WOUNDS, vol.21, no.4, pp.492-501, 2022 (SCI-Expanded)
- X. **Histopathological Evaluation of Boric Acid Efficacy in Experimental Knee Osteoarthritis Model**  
Gundogdu G., Gundogdu K., YILMAZ TAŞCI Ş., DEMİRCİ T., DEMİR KAYA MİLOĞLU F.  
ACTA PHYSIOLOGICA, vol.234, pp.74, 2022 (SCI-Expanded)
- XI. **Evaluation of cytokines in protective effect of docosahexaenoic acid in experimental achilles**

**tendinopathy rat model induced with type-1 collagenase**

Gundogdu K., Tasci S. Y., Gundogdu G., Kapakin K. A., TOTİK Y., Miloglu F.  
Connective Tissue Research, vol.63, no.4, pp.393-405, 2022 (SCI-Expanded)

- XII. **Effects of Bisphenol A Released From Composite Fillings on Reproductive Hormone Levels in Men**  
Gul P., Celik N., Ozgeris F. B., Demirkaya-Miloglu F., Kiziltunc A., Seven N.  
INTERNATIONAL DENTAL JOURNAL, vol.71, no.4, pp.343-351, 2021 (SCI-Expanded)
- XIII. **Investigation of the efficacy of daidzein in experimental knee osteoarthritis-induced with monosodium iodoacetate in rats**  
Gundogdu G., Demirkaya M., Gundogdu K., Tasci Ş., Albayrak M., Demirci T., Cetin M.  
CLINICAL RHEUMATOLOGY, vol.39, no.8, pp.2399-2408, 2020 (SCI-Expanded)
- XIV. **Serum metabolite profiling of ST-segment elevation myocardial infarction using liquid chromatography quadrupole time-of-flight mass spectrometry**  
Gundogdu G., Şenol O., Demirkaya Miloğlu F., Koza Y., Gündoğdu F., Hacımüftüoğlu A., Abd El-Aty A. M.  
Biomedical Chromatography, vol.34, no.2, 2020 (SCI-Expanded)
- XV. **Determination of Serum Irisin Levels in Patients with Knee Osteoarthritis and Comparison with Healthy Individuals**  
Gundogdu G., DEMİRKAYA MİLOĞLU F., Gundogdu K., Tasci S. Y., Yaman M. E., Kadioglu Y.  
ACTA PHYSIOLOGICA, vol.227, pp.63, 2019 (SCI-Expanded)
- XVI. **Investigation of Anti-Inflammatory Effects of Boric Acid: Experimental Knee Osteoarthritis induced with Monosodium Iodoacetate in Rats**  
Gundogdu G., Gundogdu K., Tasci S. Y., DEMİRKAYA MİLOĞLU F.  
ACTA PHYSIOLOGICA, vol.227, pp.123, 2019 (SCI-Expanded)
- XVII. **Determination of Serum Daidzein Level with HPLC Method in Rat Administered Oral / Intra-Articular Daidzeine in Experimental Knee Osteoarthritis Model**  
Gündoğdu G., Demirkaya Miloğlu F., Gündoğdu K., Albayrak M., Yılmaz Taşçı Ş., Çetin M., Demirci T.  
Acta Physiologica, vol.227, no.722, pp.64, 2019 (SCI-Expanded)
- XVIII. **Anti-inflammatory effectiveness of daidzein in experimental knee osteoarthritis- induced with monosodium iodoacetate in rats**  
Gündoğdu G., Gündoğdu K., Taşçı Yılmaz Ş., Demirkaya Miloğlu F., Çetin M.  
Acta Physiologica, vol.227, pp.190, 2019 (SCI-Expanded)
- XIX. **Investigation of the relationships between knee osteoarthritis and obesity via untargeted metabolomics analysis**  
ŞENOL O., Gundogdu G., GUNDOĞDU K., Miloglu F.  
CLINICAL RHEUMATOLOGY, vol.38, no.5, pp.1351-1360, 2019 (SCI-Expanded)
- XX. **Design, optimization, and validation of chemometrics-assisted spectrophotometric methods for simultaneous determination of etodolac and thiocolchicoside in pharmaceuticals**  
Albayrak M., Demirkaya-Miloglu F., Şenol O., Polatdemir E.  
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, vol.10, 2019 (SCI-Expanded)
- XXI. **The Effect of Parietin Isolated From Rheum ribes L on In Vitro Wound Model Using Human Dermal Fibroblast Cells**  
Gundogdu G., GUNDOĞDU K., NALCI K. A., Demirkaya A. K., Tasci Ş., Miloglu F., ŞENOL O., HACİMÜFTÜOĞLU A.  
INTERNATIONAL JOURNAL OF LOWER EXTREMITY WOUNDS, vol.18, no.1, pp.56-64, 2019 (SCI-Expanded)
- XXII. **Histopathological Evaluation of Boronphenyl alanine and Zinc Containing Nanoemulsion Formulations on Wound Healing in Streptozocin Induced Diabetic Rats**  
Gündoğdu G., Gündoğdu K., Nalcı K. A., Demirci T., Uğur Kaplan A. B., Demirkaya Miloğlu F., Hacımüftüoğlu A., Çetin M.  
Acta Physiologica, vol.227, no.722, pp.113, 2019 (SCI-Expanded)
- XXIII. **Novel chemometrics-assisted spectroscopic methods for diagnosis and monitoring of invasive ductal carcinoma in breast tissue**  
Albayrak M., Şenol O., Demirkaya-Miloglu F., Calik M., Kadioglu Y.  
Bratislava Medical Journal, vol.120, pp.184-187, 2019 (SCI-Expanded)

- XXIV. **Evaluation of Clinical Data and Analysis of Metabolomics Change between ST Elevation Myocardial Infarction (STEMI) and Non-ST Elevation Myocardial Infarction (NSTEMI)**  
GÜNDOĞDU G., ŞENOL O., DEMİRKAYA MİLOĞLU F., KOZA Y., GÜNDOĞDU F.  
ACTA PHYSIOLOGICA, vol.225, pp.26, 2018 (SCI-Expanded)
- XXV. **Investigation of Metabolic Differences in ST Segment Elevation Myocardial Infarction**  
GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F., ŞENOL O., KOZA Y., GÜNDOĞDU F.  
ACTA PHYSIOLOGICA, vol.225, pp.44, 2018 (SCI-Expanded)
- XXVI. **Investigation of the Relationships Between Knee Osteoarthritis and Obesity via Untargeted Metabolomics Analysis**  
ŞENOL O., Gundogdu K., GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F.  
ACTA PHYSIOLOGICA, vol.225, pp.72, 2018 (SCI-Expanded)
- XXVII. **Eremurus spectabilis, Rich Source of Isoorientin: Isolation, Quantification and Anti-Cancer Activity on SH-SY5Y Neuroblastoma Cells**  
SEZEN KARAOĞLAN E., GÜNDOĞDU G., SEÇME M., ŞENOL O., DEMİRKAYA MİLOĞLU F., DODURGA Y., TÜFEKÇİ A. R.  
Current Pharmaceutical Analysis, vol.14, pp.578-585, 2018 (SCI-Expanded)
- XXVIII. **Protective Effect of Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub> Nanocomposite Functionalized with Boronophenylalanine on Glutamate Excitotoxicity in Primary Cortical Neuron Cell Culture**  
GÜNDOĞDU G., ÇETİN M., NALCI K. A., DEMİRKAYA MİLOĞLU F., SEVİM M., aydın b. ö., HACİMÜFTÜOĞLU A., METİN Ö.  
Neuroendocrinology, vol.107, no.1, pp.1-40, 2018 (SCI-Expanded)
- XXIX. **Determination of Serum Visfatin and Apeline Levels in Acute Coronary Syndrome Patients and Detection of Association with Coronary Artery Disease**  
GÜNDOĞDU G., KOZA Y., ÇİÇEK B., DEMİRKAYA MİLOĞLU F., GÜNDOĞDU F.  
ACTA PHYSIOLOGICA, vol.221, pp.61, 2017 (SCI-Expanded)
- XXX. **Protective Effect of Zn<sup>2+</sup> Loaded Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-NH<sub>2</sub>-(Zinpyr-1) Nanocomposite on Glutamate Exercise Toxicity in Primary Cortical Neuron Cell Culture**  
GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F., NALCI K. A., ÇİÇEK B., TAGHIZADEHGHALEHJOUGHİ A., Polatdemir E., HACİMÜFTÜOĞLU A.  
ACTA PHYSIOLOGICA, vol.221, pp.78-79, 2017 (SCI-Expanded)
- XXXI. **Design and Optimization of a Novel Spectrophotometric Method using Response Surface Methodology for the Determination of Losartan Potassium in Pharmaceuticals**  
DEMİRKAYA MİLOĞLU F., POLATDEMİR E., ŞENOL O., KADIOĞLU Y.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.6, pp.552-558, 2017 (SCI-Expanded)
- XXXII. **Design and Optimization of a New Voltammetric Method for Determination of Isoniazid by Using PEDOT Modified Gold Electrode in Pharmaceuticals**  
DEMİRKAYA MİLOĞLU F., ÖZNÜLÜER ÖZER T., Ozdurak B., Miloglu E.  
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.15, pp.65-73, 2016 (SCI-Expanded)
- XXXIII. **A new spectrofluorimetric method for determination of losartan potassium in rabbit plasma and its application to pharmacokinetic study**  
DEMİRKAYA-MİLOĞLU F., YAMAN M. E., KADIOĞLU Y.  
LUMINESCENCE, vol.30, no.1, pp.53-59, 2015 (SCI-Expanded)
- XXXIV. **Optimization of a spectrofluorimetric method based on a central composite design for the determination of potassium losartan in pharmaceutical products**  
DEMİRKAYA-MİLOĞLU F., YAMAN M. E., KADIOĞLU Y.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.50, no.3, pp.611-619, 2014 (SCI-Expanded)
- XXXV. **GC-FID and HPLC-DAD methods for the determination of menadione sodium bisulphite directly and by converting menadione sodium bisulphite to menadione in pharmaceutical preparation**  
Demirkaya-Miloglu F., KADIOĞLU Y., ŞENOL O.  
Iranian Journal of Pharmaceutical Research, vol.13, no.2, pp.353-364, 2014 (SCI-Expanded)
- XXXVI. **Spectrofluorimetric Determination of alpha-Tocopherol in Capsules and Human Plasma**  
DEMİRKAYA-MİLOĞLU F., KADIOĞLU Y., ŞENOL O., YAMAN M.

INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.75, no.5, pp.563-568, 2013 (SCI-Expanded)

- XXXVII. **Levels of vitamin K3 in healthy volunteers and in patients with different types of stomach cancer after a single vitamin K3 administration**  
Demirkaya-Miloglu F., KADIOĞLU Y., BİLİCİ M., TEKİN S. B., OZTURK M.  
Journal of Liquid Chromatography and Related Technologies, vol.36, no.11, pp.1467-1477, 2013 (SCI-Expanded)
- XXXVIII. **Vitamin e treatment enhances erythrocyte deformability in aged rats**  
Kucukatay V., Bor-Kucukatay M., Gundogdu G., Erken G., Ozcan T., Miloglu F., KADIOĞLU Y.  
Folia Biologica (Czech Republic), vol.58, no.4, pp.157-165, 2012 (SCI-Expanded)
- XXXIX. **Quantitative Determination of Shikonin Derivatives with UV Vis Spectrophotometric Methods in the Roots of Onosma Nigricale**  
ÖZGEN U., DEMİRKAYA MİLOĞLU F., BULUT G.  
Reviews In Analytical Chemistry, vol.30, pp.59-63, 2011 (SCI-Expanded)
- XL. **Ethionamide Boosters Synthesis Biological Activity and Structure Activity Relationships of a Series of 1 2 4 Oxadiazole EthR Inhibitor**  
Marion F., Matthieu D., Guillet Nathalie L., Bertrand D., Carette X., Florence L., Catherine P., Demirkaya Miloglu F., Zoe L., Rucktooa P., et al.  
Journal Of Medicinal Chemistry, vol.54, pp.2994-3010, 2011 (SCI-Expanded)
- XLI. **Continuous Wavelet Transforms for Simultaneous Spectral Determination of Trimethoprim and Sulphamethoxazole in Tablets**  
DİNÇ E., KADIOĞLU Y., DEMİRKAYA MİLOĞLU F., DİMİTRU B.  
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XXXV. **Kompozit rezinin üç farklı ortama saldıđı monomer miktarının zamana bađlı deđişiminin incelenmesi**

GÜL P., DEMİRKAYA MİLOĞLU F., AKGÜL N.

15. Dış Hastalıkları ve Tedavisi Anabilim Dalları Toplantısı, Turkey, 25 - 27 October 2010, (Summary Text)

XXXVI. **Kompozit dolgu maddesinin zamanla saldıđı monomer miktarı üzerine farklı ortamların etkisi**

GÜL P., DEMİRKAYA MİLOĞLU F., AKGÜL N.

15. Dış Hastalıkları ve Tedavisi Anabilim Dalları Toplantısı, Turkey, 25 - 27 October 2010, (Summary Text)

XXXVII. **Hamile İnsan Plazmasında Türevlendirilmeden Progesteronun Ters Faz HPLC DAD Yöntemi ile Analizi**

ALBAYRAK M., KADIOĞLU Y., DEMİRKAYA MİLOĞLU F., BÖREKÇİ B.

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XXXVIII. **Antioksidan Vitamin olan  $\alpha$ -Tokoferolün HPLC-DAD yöntemi ile Farmasötik Preparatlarda Tayini**

DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., ŞENOL O.

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XXXIX. **Farmasötik Preparatta Türevlendirilmeden Progesteronun Ters Faz HPLC DAD Yöntemi ile Analizi**

ALBAYRAK M., KADIOĞLU Y., DEMİRKAYA MİLOĞLU F., BÖREKÇİ B.

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XL. **Spectrofluorometric determination of  $\alpha$ -Tocopherol in healthy volunteers and patients with different types of stomach and bladder cancer**

DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., ŞENOL O.

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XLI. **Determination and Pharmacokinetic study of high-dose anticancer agent in rabbit plasma by GC-FID method**

DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.

ISOPS 9th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 23 - 26 July 2009, pp.89, (Full Text)

XLII. **Determination and Pharmacokinetic study of high-dose anticancer agent in rabbit plasma by GC-FID method**

DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.

ISOPS 9th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 23 - 26 July 2009, pp.89, (Full Text)

XLIII. **Determination of plasma levels of alpha-tocopherol with HPLC-DAD methods after a single oral administration in patients with different types of stomach cancer**

DEMİRKAYA MİLOĞLU F., BİLİCİ M., KADIOĞLU Y., TEKİN S. B.

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XLIV. **Determination of plasma levels of alpha-tocopherol with HPLC-DAD methods after a single oral administration in patients with different types of stomach cancer**

DEMİRKAYA MİLOĞLU F., BİLİCİ M., KADIOĞLU Y., TEKİN S. B.

- Second International Congress on Nutrition and Cancer, Antalya, Turkey, 18 - 22 May 2009, pp.39, (Full Text)
- XLV. **Comparison of beta-carotene concentrations in patients with different types of stomach cancer after a single oral administration**  
BİLİCİ M., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., TEKİN S. B.  
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- XLVI. **Comparison of beta-carotene concentrations in patients with different types of stomach cancer after a single oral administration**  
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- XLVII. **A new method for the quantitative analysis of trimethoprim-sulphamethoxazole mixture**  
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- XLVIII. **Comparison of  $\alpha$ -tocopherol (vitamin e) concentrations in bladder cancerous and noncancerous plasma after a single oral administration with developed and validated GC-FID methods**  
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International Conference 6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 November 2008, pp.121, (Summary Text)
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- L. **Antioksidan bir vitamin olan B-karotenin Uv-Gör., birinci- ve ikinci türev spektrofotometri yöntemleri ile farmasötik preparatlarda analizi**  
ŞENOL O., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
22. Ulusal Kimya Kongresi, Turkey, 6 - 10 October 2008, (Summary Text)
- LI.  **$\alpha$ -Tokoferolün Sağlıklı İnsan Plazmasında GC-FID Yöntemi ile Validasyonu ve Uygulaması**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
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- LII.  **$\alpha$ -Tokoferolün Sağlıklı İnsan Plazmasında GC-FID Yöntemi ile Validasyonu ve Uygulaması**  
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XX. Ulusal Kimya Kongresi Erciyes Üniversitesi, Kayseri, Turkey, 4 - 08 September 2006, pp.232, (Summary Text)
- LIII. **GC-FID Yöntemiyle Antikonvülsan İlaçlardan Karbamazepinin Ticari İlaçlarda Miktar Tayini**  
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- LIV. **GC-FID Yöntemiyle Antikonvülsan İlaçlardan Karbamazepinin Ticari İlaçlarda Miktar Tayini**  
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- LV. **Determination of Carbamazepine in Pharmaceutical Preparations Using HPLC-DAD Methods**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
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- LVI. **GC-FID Method Development and Validation for Determination of  $\alpha$ -Tocopherol (Vitamin E) in Pharmaceutical Preparations**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
ISOPS 8th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 13 - 16 June 2006, pp.381, (Full Text)
- LVII. **GC-FID Method Development and Validation for Determination of  $\alpha$ -Tocopherol (Vitamin E) in Pharmaceutical Preparations**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
ISOPS 8th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 13 - 16 June 2006, pp.381, (Full Text)

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- LVIII. **Determination of Carbamazepine in Pharmaceutical Preparations Using HPLC-DAD Methods**  
DEMİR KAYA MİLOĞLU F., KADIOĞLU Y.  
ISOPS 8th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 13 - 16 June 2006, pp.379, (Full Text)
- LIX. **Karbamazepin tayininde HPLC ile biyoanalitik yöntem validasyonu**  
DEMİR KAYA MİLOĞLU F., KADIOĞLU Y., ÇAPAN Y., OZTURK M.  
II. Ulusal HPLC ve Diğer Separasyon Teknikleri Sempozyumu, Ankara, Turkey, 7 - 09 October 2004, pp.225, (Full Text)
- LX. **Karbamazepin tayininde HPLC ile biyoanalitik yöntem validasyonu**  
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- LXI. **Karbamazepin Tayininde Biyoanalitik Yöntem Validasyonu**  
DEMİR KAYA MİLOĞLU F., KADIOĞLU Y.  
XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 18 - 21 September 2003, pp.124, (Full Text)
- LXII. **Karbamazepin Tayininde Biyoanalitik Yöntem Validasyonu**  
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XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 18 - 21 September 2003, pp.124, (Full Text)
- LXIII. **UV.Visible Spektrofotometresi ile Ciprofloksacin Tayini**  
DEMİR KAYA MİLOĞLU F., ŞENTÜRK A., KADIOĞLU Y.  
XVI. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 September 2002, pp.174, (Full Text)
- LXIV. **UV.Visible Spektrofotometresi ile Ciprofloksacin Tayini**  
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## Funded Projects

- Demirkaya Miloğlu F., Demir S. N., TUBITAK Project, COVID-19 Tedavisinde Kullanılan Ritonavir Etkin Maddesinin Kemometri Destekli LC/Q-TOF/MS/MS Yöntemi Kullanılarak Serum Metabolom Profillerinin Belirlenmesi", 2023 - 2024
- Demirkaya Miloğlu F., Karakoca S., TUBITAK Project, "Zayıflama Çayları Levotiroksin Sodyum İçeriyor mu?, 2023 - 2024
- GÜVEN L., CAN H., KAYA Y., UĞUR KAPLAN A. B., DEMİR KAYA MİLOĞLU F., ÇETİN M., YEŞİLYURT F., Project Supported by Higher Education Institutions, Trifolium pannonicum subsp elongatum Bitki Ekstresinin ve Nanoemülsiyonlarının Yara İyileştirme Üzerine Etkisinin İncelenmesi, 2022 - 2024
- Demirkaya Miloğlu F., İnce F. N., TUBITAK Project, "Endemik Thymus canoviridis Bitki Ekstresinde Fenolik Bileşiklerin UPLC-MS/MS yöntemi ile Tanımlanması ve Miktarının Belirlenmesi, 2022 - 2023
- KADIOĞLU Y., DEMİR KAYA MİLOĞLU F., BAYRAK B., YÜKSEL B., Project Supported by Higher Education Institutions, 4th International Environmental Chemistry EnviroChem Congress 4 Uluslararası Çevre Kimyası Kongresi EnviroChem, 2022 - 2023
- Demirkaya Miloğlu F., Yalın B. B., Project Supported by Higher Education Institutions, OKUYORUM MUTLUYUM, GELECEKTEN UMUTLUYUM, 2022 - 2022
- Demirkaya Miloğlu F., Balantekin F., Project Supported by Higher Education Institutions, YAĞMURU SEVMEYEN ÇOCUK KALMASIN, 2022 - 2022
- Demirkaya Miloğlu F., Koptir Ş., Project Supported by Higher Education Institutions, KADIN İNSANDIR BİZ İNSANOĞLU, 2022 - 2022
- Demirkaya Miloğlu F., Diler B., Project Supported by Higher Education Institutions, SARSILALIM AMA YIKILMAYALIM, 2022 - 2022
- Demirkaya Miloğlu F., Umut Karagüzel Naz Nagihan Dursun Murat Tahtacı Ferhat Kabak S. N. G. N. T. S. G., Project Supported by Higher Education Institutions, GERÇEKTEN MİDE AĞRISI MI (Miyokard İnfarktüsü)?, 2022 - 2022
- Demirkaya Miloğlu F., İnce F. N., Project Supported by Higher Education Institutions, UMUDUM SENSİN, 2022 - 2022

Demirkaya Milođlu F., Kırdag R., Project Supported by Higher Education Institutions, HİJYENE KANATLAN, 2022 - 2022  
DEMİR KAYA MİLOĐLU F., KADIOĐLU Y., YAMAN M. E., GÜNDOĐDU G., YILMAZ TAŞCI Ş., GÜNDOĐDU K., Project Supported by Higher Education Institutions, Diz Osteoartritli hastalarda serum preptin ve irisin seviyelerinin belirlenmesi ve inflamasyon parametreleri ile ilişkilerinin incelenmesi, 2018 - 2020  
DEMİR KAYA MİLOĐLU F., TERİM KAPAKİN K. A., YILMAZ TAŞCI Ş., GÜNDOĐDU K., TOTİK Y., GÜNDOĐDU G., Project Supported by Higher Education Institutions, Tip I Kollajenaz ile Deneysel Aşıl tendinopati oluşturulan Sıçanlarda Dokosa Heksaenik Asit (DHA, Omega3) etkinliğinin araştırılması ve etkinliğinin kollajen ile karşılaştırılması, 2019 - 2019  
GÜNDOĐDU G., ALBAYRAK M., DEMİR Cİ T., ÇETİN M., GÜNDOĐDU K., DEMİR KAYA MİLOĐLU F., YILMAZ TAŞCI Ş., Project Supported by Higher Education Institutions, Monosodyum iyodoasetat ile deneysel diz osteoartrit oluşturulan sıçanlarda daidzeinin etkinliğinin araştırılması ve Hyalüronik asit ile karşılaştırılması, 2018 - 2019  
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KADIOĐLU Y., DEMİR KAYA MİLOĐLU F., TUBITAK Project, Biyoelementlerden Çinkonun Yapay Tükürükte Belirlenebilmesi İçin Zinpir-1 Ligandı İle Fonksiyonlaştırılmış Fe<sub>3</sub>O<sub>4</sub>/SiO<sub>2</sub>-Nh<sub>2</sub> Nanokompozitlerini Kullanarak Yeni Bir Spektroflorometrik Yöntemin Geliştirilmesi, 2015 - 2017  
DEMİR KAYA MİLOĐLU F., Project Supported by Higher Education Institutions, 9-ANTRALDEHİT İLE TÜREVLENDİRİLEN İZONİAZİD ETKİN MADDESİNİN DOZAJ FORMLARINDA SPEKTROSKOPİK VE KROMATOĞRAFİK YÖNTEMLER İLE BELİRLENMESİ, 2013 - 2016  
DEMİR KAYA MİLOĐLU F., Project Supported by Higher Education Institutions, TAVSANLARDA LOSARTAN POTASYUM PREPERATLARININ ORAL UYGULAMA SONRASI FARMAKOKİNETİK VERİLERİNİN BELİRLENMESİ, 2011 - 2012  
DEMİR KAYA MİLOĐLU F., Project Supported by Higher Education Institutions, İNSAN PLAZMASINDA ULTRAESER MİKTARLARDA BULUNAN SELENYUMUN YENİ BİR DİAMİNO-NAFTALEN TÜREVİ İLE HPLC-FD VE ANODİK DİFERANSİYEL PLUS VOLTAMETRİ YÖNTEMLERİ KULLANILARAK BELİRLENMESİ, 2010 - 2012

## Activities in Scientific Journals

International Journal of PharmATA, Committee Member, 2021 - Continues

## Peer Reviews in Scientific Publications

International Journal of PharmATA, National Scientific Refreed Journal, March 2023  
International Journal of PharmATA, National Scientific Refreed Journal, October 2022  
International Journal of PharmATA, National Scientific Refreed Journal, September 2022  
Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, April 2022  
International Journal of PharmATA, National Scientific Refreed Journal, March 2022  
Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, February 2022  
TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, September 2021  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, July 2021  
TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, July 2021

## Scientific Project Refereeing

TUBITAK Project, 3501 - National Young Researcher Career Development Program, February 2023  
TUBITAK Project, 1002 - Quick Support Program, October 2020

## Roles in Event Organizations



Çetin M., Yılmaz B., Polat M. F., Yıldıztekin K. G., Uğur Kaplan A. B., Güven L., Kılıç Baygutalp N., Demirkaya Miloğlu F., Kadioğlu Y., Afet ve Acil Durum Eczacılığı Eğitimi, Workshop Organization, Erzurum, Turkey, Haziran 2023

Uğan R. A., Kadioğlu Y., Utlı N., Güven L., Demirkaya Miloğlu F., Kılıç Baygutalp N., Ulutaş Deniz E., Uğur Kaplan A. B., ALBAYRAK M., Eczacı Örgütleri ve Meslek Gelişimi Üzerindeki Etkileri, Workshop Organization, Erzurum, Turkey, Kasım 2022

Uğan R. A., Kadioğlu Y., Utlı N., Güven L., Demirkaya Miloğlu F., Kılıç Baygutalp N., Ulutaş Deniz E., Uğur Kaplan A. B., Eczane Hizmetlerinde Sosyal Güvenlik Kurumu (SGK) Rolü, Workshop Organization, Erzurum, Turkey, Kasım 2022

Uğan R. A., Kadioğlu Y., Utlı N., Güven L., Demirkaya Miloğlu F., Kılıç Baygutalp N., Ulutaş Deniz E., Uğur Kaplan A. B., ALBAYRAK M., Sosyal Eczacılık Uygulamaları, Workshop Organization, Erzurum, Turkey, Kasım 2022

Kadioğlu Y., Küçükbay H., Alkan A., Demirkaya Miloğlu F., International Environmental Chemistry Congress, Scientific Congress, Antalya, Turkey, Kasım 2022

Öznüluer Özer T., Kılıç H., Okumuş S., Uğan R. A., Yuca H., Alkuyruk B., Canpolat A., Bayrak B., Yüksel B., Kadioğlu Y., et al., Eczacılık Fakültesi TÜBİTAK 2209 Bilgilendirme Çalıştayı, Workshop Organization, Erzurum, Turkey, Ekim 2022

Kadioğlu Y., Demirkaya Miloğlu F., Çetin M., Uğur Kaplan A. B., Yüksel B., İnce F. N., Ateş G., Sporda Eczacılığın Etkin Rolü, Workshop Organization, Erzurum, Turkey, Nisan 2022

Uğur Kaplan A. B., Kadioğlu Y., Demirkaya Miloğlu F., İnce F. N., Tatlısu H., Çetin M., Bayrak B., Tosun F. G., Özdemir N., Fidan G., Sağlıkta Geleceğin İnşası; Yapay Zeka, Workshop Organization, Erzurum, Turkey, Mart 2022

Uğur Kaplan A. B., Çetin M., Demirkaya Miloğlu F., Kadioğlu Y., Gülaboğlu M., Güven L., Kılınboz Y. F., Şeker İ. E., Yurtdışında Eczacılık Çalıştayı, Workshop Organization, Turkey, Ocak 2022

Demirkaya Miloğlu F., Kadioğlu Y., Uğur Kaplan A. B., Çetin M., Öznuluer Özer T., Kesmen N., Bayrak B., İlaç Endüstrisinde Kalite Kontrol Analizleri, Workshop Organization, Erzurum, Turkey, Aralık 2021

Kadioğlu Y., Demirkaya Miloğlu F., Yılmaz B., Boşnak A. S., Gündoğdu G., Yaman M. E., Bayrak B., Onkolojide Eczacının Yeri, Workshop Organization, Erzurum, Turkey, Aralık 2021

Sevinç Özakar R., Bilginer S., Erkeyman B., Saraç Tarhan S., Aytemir M., Uçar G., Kır S., Aksu N. B., Kadioğlu Y., Demirkaya Miloğlu F., 3rd International Multidisciplinary Symposium On Drug Research and Development, Scientific Congress, Erzurum, Turkey, Ekim 2017

Kadioğlu Y., Demirkaya Miloğlu F., DAĞCI KIRANŞAN K., 5. Ulusal Analitik Kimya Kongresi, Scientific Congress, Erzurum, Turkey, Haziran 2010

## Metrics

Publication: 182

Citation (WoS): 355

Citation (Scopus): 423

H-Index (WoS): 11

H-Index (Scopus): 13

## Congress and Symposium Activities

VII. Ulusal Atatürk Üniversitesi Eczacılık Fakültesi Öğrenci Kongresi, Working Group, Erzurum, Turkey, 2023

International Environmental Chemistry Congress (EnviroChem), Working Group, Antalya, Turkey, 2022

## Awards

Demirkaya Miloğlu F., Investigation of the efficacy of daidzein in experimental knee osteoarthritis-induced with monosodium iodoacetate in rats, Ulakbim, July 2020

## **Non Academic Experience**

Université du Droit et de la Santé Lille 2 Faculty of Pharmaceutical Sciences and biology, Asistan Öğrenci

Other Public Institution, Emniyet Genel Müdürlüğü, Kriminal Polis Laboratuvarı

Emniyet Genel Müdürlüğü, Kimya Mühendisi