

Asst. Prof. Elmas Polatdemir

Personal Information

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Education Information

Doctorate, Ataturk University, Sağlık Bilimleri Enstitüsü, Turkey 2013 - 2019

Postgraduate, Ataturk University, Sağlık Bilimleri Enstitüsü, Turkey 2009 - 2013

Undergraduate, Ataturk University, Fen Fakültesi, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ZİNİR-1 LİGANDI İLE FONKSİYONLAŞTIRILMIŞ Fe₃O₄-SiO₂-NH₂ NANOKOMPOZİTLERİNİ KULLANARAK ORAL PREKANSER VE ORAL KANSER HASTALARININ TÜKÜRÜK ÇİNKO SEVİYELERİNİN BELİRLENMESİ İÇİN YENİ BİR SPEKTROFLOROMETRİK YÖNTEMİN GELİŞTİRİLMESİ, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019

Postgraduate, Farmasötik preparatlarda losartan potasyumun spektrofotometrik yöntem ile analizi, Ataturk University, Sağlık Bilimleri Enstitüsü, Eczacılık Analitik Kimya Anabilim Dalı Başkanlığı, 2013

Research Areas

Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ondokuz Mayıs University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2022 - Continues

Courses

NUMUNE HAZIRLAMA VE LABORATUVAR GÜVENLİĞİ, Undergraduate, 2023 - 2024

ECZACILIK ANALİTİK KİMYA I, Undergraduate, 2023 - 2024

ECZACILIK ANALİTİK KİMYA I LABORATUVARI, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prussian blue modified magnetite decorated MW-CNT nanocomposite: synthesis, characterization and potential use as Photo-Fenton catalysts for phenol degradation**
Gögen Y., Koçak Ç. C., Karabiberöğlü Ş., Polatdemir E., Aslaner H., Zorlu R., Çağlar B., Çırak Ç., Özdokur K. V.
CHEMICAL PAPERS, vol.78, no.3, pp.1863-1874, 2024 (SCI-Expanded)
- II. **Design, optimization, and validation of chemometrics-assisted spectrophotometric methods for simultaneous determination of etodolac and thiocolchicoside in pharmaceuticals**
ALBAYRAK M., Demirkaya-Miloğlu F., ŞENOL O., Polatdemir E.
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, vol.10, 2019 (SCI-Expanded)
- III. **Design and Optimization of a Novel Spectrophotometric Method using Response Surface Methodology for the Determination of Losartan Potassium in Pharmaceuticals**
Demirkaya-Miloğlu F., Polatdemir E., ŞENOL O., KADIOĞLU Y.
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.6, pp.552-558, 2017 (SCI-Expanded)
- IV. **Design and Optimization of a New Voltammetric Method for Determination of Isoniazid by Using PEDOT Modified Gold Electrode in Pharmaceuticals**
Demirkaya-Miloğlu F., ÖZDÜLÜER ÖZER T., Ozdurak B., Miloğlu E.
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.15, pp.65-73, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A new Spectrofluorimetric Method for Determination of Zinc by using the Fe₃O₄-SiO₂-NH₂ Nanocomposite Functionalized with Zinpyr-1 Ligand in Artificial Saliva**
Polatdemir E., Demirkaya Miloğlu F., Metin Ö., Kadioğlu Y.,
3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 5 - 07 October 2017, pp.173
- II. **New Spectrophotometric Method with Chemometric Design-Optimization Approach for the Simultaneous Determination of Thiamin and Pyridoxin**
Demirkaya Miloğlu F., Polatdemir E., Demirkaya A. K.
3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 5 - 07 October 2017, pp.172
- III. **New Method for the Simultaneous Determination of Two Multicomponent Mixtures Containing Etodolac and Thiocolchicoside in Combined Pharmaceutical Preparation by Using Chemometric Calibration Methods**
Demirkaya Miloğlu F., Polatdemir E., Şenol O., Albayrak M.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.443
- IV. **Spectrofluorometric Determination of Zinc in Pharmaceutical Preparations by Using the Manganese Displacement from Manganese Zinpyr-1 Complex**
Polatdemir E., Demirkaya Miloğlu F., Metin Ö., Kadioğlu Y.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.350
- V. **UV-Spectrophotometric-Assisted Chemometric Method for the Simultaneous Determination of Quinapril Hydrochloride and Hydrochlorothiazide in Pharmaceutical Formulations**
Polatdemir E., Demirkaya Miloğlu F.
International Eurasia Pharmacy Congress, Erzincan, Turkey, 3 - 07 September 2015, pp.37
- VI. **New Validated Methods for the Simultaneous Determination of Two Multicomponent Mixtures Containing Nimesulide and Lidocaine in Combined Pharmaceutical Preparation by Using Chemometric Calibration Methods (PCR and PLS)**
Polatdemir E., Demirkaya Miloğlu F.
International Eurasia Pharmacy Congress, Erzincan, Turkey, 3 - 07 September 2015, pp.96
- VII. **Lidocaine HCl in Combined Pharmaceutical Formulations by Using Chemometric Calibration Methods (PCR and PLS)**
Polatdemir E., Demirkaya Miloğlu F.

International Eurasia Pharmacy Congress, Erzincan, Turkey, 3 - 07 September 2015, pp.97

VIII. Optimization of a Spectrophotometric Method by Using a Central Composite Design for the Determination of Valsartan in Pharmaceuticals

Demirkaya Milođlu F., Polatdemir E., Kadiođlu Y.

Second International Conference on New Trends in Chemometrics and Applications (NTCA-2013, Ankara, Turkey, 25 - 28 October 2013, pp.32

IX. Design and Optimization of a New Kinetic Spectrophotometric Method for The Determination of Losartan Potassium in Pharmaceutical Product.

Demirkaya Milođlu F., Polatdemir E., Kadiođlu Y., Őenol O.

6th Black Sea Basin Conference On Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013, pp.130

Supported Projects

Polatdemir E., Çađlar B., Özdokur K. V., TUBITAK Project, Mxene Tabanlı Elektrotların GeliŐtirilmesi, Karakterizasyonu ve Elektrokatalitik Uygulamalarının AraŐtırılması, 2022 - 2024

Kadiođlu Y., Metin Ö., Demirkaya Milođlu F., TUBITAK Project, Biyoelementlerden inkonun yapay tükürükte belirlenebilmesi için Zinpir-1 ligandı ile fonksiyonlaŐtırılmıŐ Fe₃O₄/SiO₂-NH₂ nanokompozitlerini yöntemin kullanarak yeni bir spektroflorometrik geliŐtirilmesi, 2015 - 2017