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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-9878-2018

ScopusID: 6508087002

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2001 - 2006

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1994 - 1998

Dissertations

Doctorate, Farmasötik formlarda akışa enjeksiyon sistemleri ile etken madde miktar tayinleri, Gazi University, Sağlık Bilimleri Enstitüsü, 2006

Postgraduate, Beta blokör ilaçlardan Asebutalol ve Sotalol'xxün elektroanalitik davranışlarının incelenmesi ve miktar tayinleri, Gazi University, Sağlık Bilimleri Enstitüsü, 2001

Research Areas

Analytical Chemistry, Analytical Chemistry

Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2013 - 2018

Assistant Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2009 - 2013

Research Assistant, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 1999 - 2009

Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2023 - Continues

Head of Department, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Rectorate Commissioner, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - 2023

Birim Kalite Komisyonu Başkanı, Gazi University, Eczacılık Fakültesi, 2020 - 2023

Birim Kalite Komisyonu Üyesi, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2016 - 2019
Fakülte Akademik Kurul Üyesi, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2013 - 2016

Courses

Doping Analizleri, Postgraduate, 2023 - 2024

MEZUNİYET PROJESİ I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

FARMASÖTİK ANALİTİK KİMYA II UYGULAMA, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

MEZUNİYET PROJESİ I UYGULAMA, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

FARMASÖTİK ANALİTİK KİMYA I UYG, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

MEZUNİYET PROJESİ II UYGULAMA, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

MOLEKÜLER LUMİNESANS SPEKTROSKOPİSİ, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011

MEZUNİYET PROJESİ II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

FARMASÖTİK ANALİTİK KİMYA II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013

BİYOSENSÖRLER VE KULLANIM ALANLARI, Doctorate, 2019 - 2020, 2014 - 2015

Advising Theses

ŞATANA KARA H. E., Yüksek basınçlı sıvı kromatografisi (YBSK) yöntemi ile kanser tedavisinde kullanılan ilaçların miktar tayini ve ilaç-DNA etkileşimlerinin belirlenmesi, Doctorate, E.KAPÇAK(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Unraveling the interaction mechanism between orphan drug Nitisinone and bovine serum albumin through spectroscopic and in silico approaches**
Bilkay M., Yazıcı S., Erkmen C., Çelik İ., Şatana Kara H. E.
SPECTROCHIMICA ACTA - PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.322, no.124818, pp.1-13, 2024 (SCI-Expanded)
- II. **Spectroscopic, electrochemical, and molecular docking studies of the interaction between the antihistamine drug desloratadine and dsDNA**
Bilkay M., Kanbeş Dindar Ç., Bozal Palabıyık B., Eren G., Şatana Kara H. E., Uslu B.
ANALYTICAL BIOCHEMISTRY, vol.694, no.115622, pp.1-7, 2024 (SCI-Expanded)
- III. **Synthesis of novel phenylalanine-coated copper nanoclusters for fluorescent probes to determine the interactions of cancer drugs with DNA**
Bilkay M., Şatana Kara H. E.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.249, no.116365, pp.1-10, 2024 (SCI-Expanded)
- IV. **Development of a new nanosensor for the determination of food coloring Sunset Yellow in powder drinks using L-cysteine coated copper nanoclusters**
Bilkay M., Karataş B., Şatana Kara H. E.
TURKISH JOURNAL OF CHEMISTRY, vol.48, no.2, pp.218-228, 2024 (SCI-Expanded)

- V. **Evaluation of the interaction between antiviral drug and DNA/BSA via comprehensive multispectral methods and molecular docking studies**
Oznur A., EREN G., ŞATANA KARA H. E.
Journal of Photochemistry and Photobiology A: Chemistry, vol.445, 2023 (SCI-Expanded)
- VI. **Fluorometric determination of ornidazole by using BSA coated copper nanoclusters as a novel turn off sensor**
BİLKAY M., ŞATANA KARA H. E.
Turkish Journal of Chemistry, vol.46, no.2, pp.475-486, 2022 (SCI-Expanded)
- VII. **One-step green aqueous synthesis of blue light emitting copper nanoclusters for quantitative determination of food color Ponceau 4R**
Demirhan B. E., ŞATANA KARA H. E., DEMİRHAN B.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.417, 2021 (SCI-Expanded)
- VIII. **Highly luminescent water-dispersed silicon quantum dots for fluorometric determination of oxytetracycline in milk samples**
ŞATANA KARA H. E., DEMİRHAN B., ER DEMİRHAN B.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.6, pp.1713-1722, 2020 (SCI-Expanded)
- IX. **Novel "turn off-on" sensors for detection of DNA-acrylamide interaction using ZnS quantum dots as a phosphorescent probe**
Şatana Kara H. E.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.1, pp.125-136, 2019 (SCI-Expanded)
- X. **ANALYSIS OF ACRYLAMIDE IN MEAT -BASED FOOD PRODUCTS BY USING L-CYSTEINE-CAPPED Mn-DOPED ZnS QUANTUM DOTS AS A ROOM TEMPERATURE PHOSPHORESCENT PROBE**
DEMİRHAN B., Demirhan B., ŞATANA KARA H. E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.4, pp.2599-2607, 2019 (SCI-Expanded)
- XI. **EVALUATION OF INTERACTION BETWEEN DNA AND ANTICANCER DRUG TEMOZOLOMIDE AND ITS DEGRADATION PRODUCT BY HPLC**
Kapcak E., ŞATANA KARA H. E.
REVUE ROUMAINE DE CHIMIE, vol.63, no.11, pp.1023-1034, 2018 (SCI-Expanded)
- XII. **Phosphorescent detection of DNA- drug interaction based on emission quenching of ZnS quantum dots via photoinduced electron transfer**
Ocak I., ŞATANA KARA H. E.
JOURNAL OF LUMINESCENCE, vol.197, pp.112-118, 2018 (SCI-Expanded)
- XIII. **Rapid Detection of Acrylamide in Food Using Mn-Doped ZnS Quantum Dots as a Room Temperature Phosphorescent Probe**
DEMİRHAN B., Demirhan B., ERTAŞ N., ŞATANA KARA H. E.
FOOD ANALYTICAL METHODS, vol.11, no.5, pp.1367-1373, 2018 (SCI-Expanded)
- XIV. **Mn-doped ZnS quantum dots as a room-temperature phosphorescent probe for analysis of glutamic acid in foodstuffs**
ŞATANA KARA H. E., DEMİRHAN B., ER DEMİRHAN B.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.5, pp.762-771, 2016 (SCI-Expanded)
- XV. **L-Cysteine capped Mn-doped ZnS quantum dots as a room temperature phosphorescence sensor for in-vitro binding assay of idarubicin and DNA**
ERTAŞ N., ŞATANA KARA H. E.
BIOSENSORS & BIOELECTRONICS, vol.70, pp.345-350, 2015 (SCI-Expanded)
- XVI. **QUANTITATIVE DETERMINATION OF ISOCONAZOLE NITRATE AND DIFLUCORTOLONE VALERATE IN PHARMACEUTICAL CREAMS BY UPLC, HPLC AND IMPROVED DERIVATIVE UV SPECTROPHOTOMETRY**
Ozen G., GÜMÜŞTAŞ M., ŞATANA KARA H. E., GÜNDEN GÖĞER N., USLU B., ÖZKAN S. A.
REVUE ROUMAINE DE CHIMIE, vol.60, pp.527-535, 2015 (SCI-Expanded)
- XVII. **Room-temperature phosphorescence determination of melamine in dairy products using L-cysteine-capped Mn-doped zinc sulfide (ZnS) quantum dots**
Demirhan B., Demirhan B., Şatana Kara H. E.

- JOURNAL OF DAIRY SCIENCE, vol.98, pp.2992-3000, 2015 (SCI-Expanded)
- XVIII. **Determination of ibuprofen and paraben in pharmaceutical formulations using flow-injection and derivative spectrophotometry**
Turk S. C., Satana E., BASAN H., GÜNDEN GÖĞER N.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.70, no.1, pp.50-54, 2015 (SCI-Expanded)
- XIX. **Redox mechanism of anticancer drug idarubicin and in-situ evaluation of interaction with DNA using an electrochemical biosensor**
Kara H. E.
BIOELECTROCHEMISTRY, vol.99, pp.17-23, 2014 (SCI-Expanded)
- XX. **In vitro DNA binding studies of anticancer drug idarubicin using spectroscopic techniques**
Ozluer C., ŞATANA KARA H. E.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.138, pp.36-42, 2014 (SCI-Expanded)
- XXI. **Simultaneous determination of dexpanthenol, lidocaine hydrochloride, and mepyramine maleate in combined pharmaceutical gel by capillary electrophoresis**
Akyil G. B., ŞATANA KARA H. E., Bas S. Y., ERTAŞ N., GÜNDEN GÖĞER N.
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.5, pp.756-764, 2014 (SCI-Expanded)
- XXII. **Determination of Etodolac and Flurbiprofen in their pharmaceutical tablets using heavy-atom-induced room-temperature phosphorescence and HPLC**
Şatana Kara H. E., Günden Göğeri N., Ertas N.
Journal Of Aoac International, pp.1-6, 2013 (SCI-Expanded)
- XXIII. **Nucleoside analogue electrochemical behaviour and in situ evaluation of DNA-clofarabine interaction**
Şatana H. E., Pontinha A. D. R., Diculescu V. C., Oliveira-Brett A. M.
BIOELECTROCHEMISTRY, vol.87, pp.3-8, 2012 (SCI-Expanded)
- XXIV. **Methoxylation and Glycosylation Effect on the Redox Mechanism of Citroflavones**
Diculescu V. C., Şatana H. E., Gil E. D. S., Oliveira Brett A. M.
ELECTROANALYSIS, vol.24, no.5, pp.1019-1026, 2012 (SCI-Expanded)
- XXV. **The Effects of Sevoflurane Anesthesia and Cardiopulmonary Bypass on Renal Function in Cyanotic and Acyanotic Children Undergoing Cardiac Surgery**
ÖÇ B., Akinci S. B., KANBAK M., Satana E., ÇELEBİOĞLU B., Aypar U.
RENAL FAILURE, vol.34, no.2, pp.135-141, 2012 (SCI-Expanded)
- XXVI. **Anodic Oxidation of Cladribine and In Situ Evaluation of DNA-Cladribine Interaction**
Pontinha A. D. R., Satana H. E., Diculescu V. C., Oliveira-Brett A. M.
ELECTROANALYSIS, vol.23, no.11, pp.2651-2657, 2011 (SCI-Expanded)
- XXVII. **Electrochemical Characterization and Rapid Voltammetric Determination of Riluzole in Pharmaceuticals and Human Serum**
ŞATANA KARA H. E., DOĞAN TOPAL B., ÖZKAN S. A.
ANALYTICAL LETTERS, vol.44, no.6, pp.976-990, 2011 (SCI-Expanded)
- XXVIII. **Determination of ambroxol hydrochloride in tablets using flow-injection UV spectrophotometry and HPLC**
Satana E., Basan H., Goger N.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.63, no.5, pp.451-454, 2008 (SCI-Expanded)
- XXIX. **The perioperative renal function in cyanotic versus acyanotic children undergoing desflurane anesthesia for open-heart surgery**
Oc B., Kanbak M., Akinci S. B., Satana E., Aypar U.
SAUDI MEDICAL JOURNAL, vol.28, no.11, pp.1753-1755, 2007 (SCI-Expanded)
- XXX. **Determination of citalopram using flow injection-solid phase extraction with spectrofluorometric detection**
Satana E., Ertas N., Goger N.
CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)
- XXXI. **Capillary electrophoretic determination of citalopram in pharmaceutical tablets and serum**

- Satana E., UYSAL Ü. D., Goger N., Tuncel M.
CHROMATOGRAPHIA, vol.64, pp.317-320, 2006 (SCI-Expanded)
- XXXII. **Quantitative determination of ketoprofen in gels and ampules by using flow-injection UV spectrophotometry and HPLC**
Ozlu C., Basan H., Satana E., Ertas N., Goger N.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.39, no.3-4, pp.606-611, 2005 (SCI-Expanded)
- XXXIII. **Differential pulse and square wave voltammetric determination of cisapride in tablet dosage form.**
Satana E., Uslu B., Ozkan S.
Die Pharmazie, vol.57, no.7, pp.501-3, 2002 (SCI-Expanded)
- XXXIV. **Simultaneous determination of valsartan and hydrochlorothiazide in tablets by first-derivative ultraviolet spectrophotometry and LC**
Satana E., Altinay S., Goger N., Ozkan S., Senturk Z.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.25, pp.1009-1013, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development and Full Validation of a Stability-indicating HPLC Method for the Determination of the Anticancer Drug Temozolomide in Pharmaceutical Form**
Kapcak E., Satana-Kara E. H.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.15, no.3, pp.271-277, 2018 (ESCI)
- II. **Numune Hazırlama Tekniklerinde Yeni Yaklaşımlar**
KUL D., ŞATANA KARA H. E., NEMUTLU E.
Türk Farmakope Dergisi, vol.3, no.3, pp.42-62, 2018 (Peer-Reviewed Journal)
- III. **Evaluation of Fludarabine DNA Interaction Using a DNA Electrochemical Biosensor**
ŞATANA KARA H. E., Oliverira Brett A. M.
International Journal of Electrochemistry, vol.2011, pp.1-8, 2011 (ESCI)
- IV. **Spectrofluorometric Determination of Citalopram HBr in Tablets**
ŞATANA KARA H. E., ERTAŞ N., GÜNDEN GÖĞER N.
FABAD J. Pharm. Sci., vol.32, pp.73-77, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İlaç ve Biyobelirteç Analizlerinde Nanobiyosensör Uygulamaları**
Bilkay M., Erkmen C., Şatana Kara H. E., Uslu B.
in: Eczacılıkta Yenilikler 3, Prof. Dr. Gülbin Özçelikay, Prof. Dr. İlkey Yıldız, Editor, Ankara Üniversitesi, Ankara, pp.67-92, 2020
- II. **Kromatografik Ayırma Teknikleri**
USLU B., SAĞIRLI A. O., SÜSLÜ İ., GÜNDEN GÖĞER N., SAĞLIK ASLAN S., ÖZKAN S. A., DOĞAN TOPAL B., KUL D., ARIKSOYSAL D., NEMUTLU E., et al.
in: Türk Farmakopesi 2017, Yalçın Özkan, Editor, Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, Ankara, pp.89-96, 2018
- III. **Overview of Green Sample Preparation Techniques in Food Analysis**
Demirhan B., Şatana Kara H. E., Er Demirhan B.
in: Ideas and Applications Toward Sample Preparation for Food and Beverage Analysis, Mark T. Stauffer, Editor, Intechopen, London, pp.1-23, 2017
- IV. **Quantum Dots for Pharmaceutical and Biomedical Analysis**
ŞATANA KARA H. E., ERTAŞ N.
in: Spectroscopic Analyses - Developments and Applications, Eram Sharmin, Fahmina Zafar, Editor, INTECH open Science, Londrina, pp.143-169, 2017

V. Analitik Kimya Pratikleri

Orbey M. T., Günden Göğeri N., Ertaş N., Yılmaz Ş., Berkkan A., Basan H., Şatana Kara H. E., Alp O.
Gazi, Ankara, 2000

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis, characterization and optimization of novel phenylalanine-coated copper nanoclusters with high fluorescence intensity**
Bilkay M., Şatana Kara H. E.
PBA2023, 33 rd International Symposium on Pharmaceutical and Biomedical Analysis, Ankara, Turkey, 02 July 2023
- II. **Synthesis of fluorescent carbon dots from anethum graveolens by hydrothermal carbonization**
Karataş B., Yıldırım A., Şatana Kara H. E.
PBA2023, 33 rd International Symposium on Pharmaceutical and Biomedical Analysis, Ankara, Turkey, 02 July 2023
- III. **DESLORATADİN ve DNA ETKİLEŞİMİNİN SPEKTROFLORİMETRİK OLARAK İNCELENMESİ**
Karataş B., Bilkay M., Şatana Kara H. E.
10.Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.156
- IV. **L-SİSTEİN KAPLI BAKIR NANOKÜMELER KULLANILARAK SUNSET YELLOW TAYİNİ İÇİN FLORESANS NANOSENSÖR GELİŞTİRİLMESİ**
Bilkay M., Karataş B., Şatana Kara H. E.
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.51
- V. **L-sistein kaplı bakır nanokümelere kullanılarak sunset yellow tayini için floresans nanosensör geliştirilmesi**
BİLKAY M., Karataş B., ŞATANA KARA H. E.
10. Ulusal Analitik Kimya Kongresi, 07 September 2022
- VI. **Desloratadin ve DNA etkileşiminin spektrofotometrik olarak incelenmesi**
Karataş B., BİLKAY M., ŞATANA KARA H. E.
10. Ulusal Analitik Kimya Kongresi, 07 September 2022
- VII. **Synthesis of L-cysteine mediated copper nanoclusters as a turn-off fluorescent probe for the detection of indigotine**
Bilkay M., Şatana Kara H. E.
3th International Gazi Pharma Symposium Series, GPSS 21, Ankara, Turkey, 8 - 10 September 2021, pp.1
- VIII. **Determination of ornidazole in pharmaceutical dosage forms using BSA coated fluorescent copper nanocluster**
BİLKAY M., ŞATANA KARA H. E.
13th Int. Symp. on Pharm. Sciences, 22 June 2021
- IX. **In vitro DNA and BSA interaction of antiviral drug tenofovir by spectral methods**
Öznur A., ŞATANA KARA H. E.
13th Int. Symp. on Pharm. Sciences, 22 June 2021
- X. **Sentetik Gıda Boyalarının Analizinde Kullanılan Yöntemler**
DEMİRHAN B., ER DEMİRHAN B., ŞATANA KARA H. E.
3rd International Congress on Agriculture, Environment and Health (ICAEH), 12 - 14 November 2020
- XI. **Copper Nanoclusters as A Fluorescence Turn Off Sensor for the Quantitative Determination of Ponceau 4R**
ŞATANA KARA H. E., ER DEMİRHAN B., DEMİRHAN B.
3rd International Congress on Agriculture, Environment and Health (ICAEH), 12 - 14 November 2020
- XII. **Oksitetrasiklin'in sütlerden silikon kuantum nokta temelli floresans yöntemi ile tayini**
ŞATANA KARA H. E., DEMİRHAN B., ER DEMİRHAN B.
XVI. Ulusal Spektroskopik Kongresi, Turkey, 7 - 08 November 2019

- XIII. **Development and validation of an HPLC method for determination of ketoconazole and caffeine in cosmetic products**
Gülpınar H. E., ŞATANA KARA H. E., TIRNAKSIZ F. F.
17th Edition of International Conference and Exhibition on Pharmaceutics and Novel Drug Delivery Systems, 4 - 06 October 2018
- XIV. **Et Ürünlerinde L-sistein Kaplı Mn-Doplanmış ZnS Kuantum Noktaları ile Akrilamid Analizi**
DEMİRHAN B., ER DEMİRHAN B., ŞATANA KARA H. E.
5. Ulusal Tarım Kongresi, Turkey, 6 - 08 September 2018
- XV. **Novel "Turn Off-On" sensors for detection of DNA- acrylamide interaction using Zns quantum dots as a phosphorescent probe**
ŞATANA KARA H. E.
12th Int. Symp. on Pharm. Sciences, 26 - 29 June 2018
- XVI. **Phosphorescent detection of DNA-Drug interaction based on emission quenching of ZnS quantum dots via photoinduced electron transfer**
ŞATANA KARA H. E., Ocak İ.
Second International Gazi Pharma Symposium Series, GPSS, 11 - 13 October 2017
- XVII. **Rapid Detection of Acrylamide in Food Using Mn-Doped Zns Quantum Dots as a Room Temperature Phosphorescent Probe**
DEMİRHAN B., ER DEMİRHAN B., ERTAŞ N., ŞATANA KARA H. E.
2 nd International Gazi Pharma Symposium Series, 11 - 13 October 2017
- XVIII. **Evaluation of anticancer drug and DNA interaction using high performance liquid chromatography (HPLC)**
Evin K., ŞATANA KARA H. E.
Second International Gazi Pharma Symposium Series, GPSS, 11 - 13 October 2017
- XIX. **Mn-Doped Zns Quantum Dots as a Room-Temperature Phosphorescent Probe For Analysis of Glutamic Acid in Foodstuffs**
ŞATANA KARA H. E., DEMİRHAN B., ER DEMİRHAN B.
2 nd International Gazi Pharma Symposium Series, 11 - 13 October 2017
- XX. **Temozolomid'in biyolojik aktif ürünü AIC ve DNA etkileşiminin yüksek basınçlı sıvı kromatografi yöntemi ile belirlenmesi**
Evin K., ŞATANA KARA H. E.
17. Ulusal Kromatografi Kongresi-Kromatografi 17, Turkey, 20 - 22 September 2017
- XXI. **L Cysteine Capped Mn Doped ZnS Quantum Dots as a Room Temperature Phosphorescence sensor for In Vitro Binding Assay of Idarubicin and DNA**
Ertas N., ŞATANA KARA H. E.
International Gazi Pharma Symposium Series, GPSS, 12 - 15 November 2015
- XXII. **Room Temperature Phosphorescence Detrmination of Melamine in Dairy Products Using L Cysteine Capped Mn Doped Zinc Sulfide ZnS Quantum Dots**
ER DEMİRHAN B., DEMİRHAN B., ŞATANA KARA H. E.
11th Int. Symp. on Pharm. Sciences, 9 - 12 June 2015
- XXIII. **Electrochemical studies on the interaction of an antitumor drug Idarubicin with DNA**
Şatana Kara H. E.
Symposium of the Analytical Division of SPQ-2014, Coimbra, Portugal, 14 - 15 April 2014
- XXIV. **In-situ evaluation of Idarubicin-DNA interaction using spectroscopic techniques**
Özlüer C., Şatana Kara H. E.
6BBCAC, 6th Black Sea Basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013
- XXV. **In situ evaluation of Fludarabine-DNA interaction using a DNA-electrochemical biosensor**
Şatana Kara H. E., Oliveira-Brett A. M.
10th Int. Symp. on Pharm. Sciences, Ankara, Turkey, 26 - 29 June 2012
- XXVI. **Electrochemical study of Clofarabine oxidation and DNA-Clofarabine interaction**
Pontinha A. D., Şatana Kara H. E., Diculescu V. C., Oliveira-Brett A. M.

- XXI International Symposium on Bioelectrochemistry and Bioenergetics, Krakow, Poland, 8 - 12 May 2011
- XXVII. **Electrochemical oxidation of Cladribine at a glassy carbon electrode and in situ evaluation of the interaction with DNA**
Pontinha A. D., Şatana Kara H. E., Diculescu V. C., Oliveira-Brett A. M.
XXI International Symposium on Bioelectrochemistry and Bioenergetics, Krakow, Poland, 8 - 12 May 2011
- XXVIII. **Siyanotik Ve Asiyanotik Çocuklarda Açık Kalp Cerrahisinde Desfluranın Böbrek Fonksiyonları Üzerine Etkisi**
ÖÇ B., KANBAK M., Akıncı S., ŞATANA KARA H. E., AYPAR Ü.
Türk Anestezi ve Reanimasyon Kongresi TARK, Turkey, 27 November - 01 December 2003
- XXIX. **Simultaneous determination of Dexpanthenol, Mepyramine Maleate and Lidocaine Hydrochloride in combined pharmaceutical gels by capillary electrophoresis**
Başmakçı G., Şatana Kara H. E., Yarımkaaya S., Ertaş N., Günden Göğeri N.
28th International Symposium on Chromatography, Valencia, Spain, 12 - 16 September 2010
- XXX. **Electrochemical characterization and rapid voltammetric determination of Riluzole in pharmaceuticals and human serum**
Şatana Kara H. E., Doğan Topal B., Özkan S. A.
13th International Conference on Electroanalysis, Gijon, Spain, 20 - 24 June 2010
- XXXI. **A solution of spectral interference problem about unknown cream ingredients on active substances**
Özen G., Şatana Kara H. E., Ertaş N., Günden Göğeri N.
9th Int. Symp. on Pharm. Sciences, Ankara, Turkey, 23 - 26 June 2009
- XXXII. **Amperometric enzyme electrode for Glucose determination based on poly(pyrolle-2-aminobenzoic acid)**
Berkkan A., Seçkin A. İ., Şatana Kara H. E., Pekmez K., Tamer U.
9th Int. Symp. on Pharm. Sciences, Ankara, Turkey, 23 - 26 June 2009
- XXXIII. **Quantitative determination of Paracetamol, Caffeine and Codeine in pharmaceutical tablets by capillary electrophoresis**
Çakır K., Ertaş N., Şatana Kara H. E., Günden Göğeri N.
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- XXXIV. **Phosphorimetric determination of Carvedilol and Telmisartan in pharmaceutical tablet forms**
Üncüoğlu E., Şatana Kara H. E., Günden Göğeri N., Ertaş N.
International Symposium on Drug Research and Development "From Chemistry to Medicine" and Educational Fair on "GLP and Laboratory Safety: New Approaches", Ankara, Turkey, 4 - 07 May 2009
- XXXV. **Quantitative determination of Anthralin and Salicylic acid in pharmaceutical creams by HPLC**
Yılmaz Ş., Şatana Kara H. E., Günden Göğeri N.
International Symposium on Drug Research and Development "From Chemistry to Medicine" and Educational Fair on "GLP and Laboratory Safety: New Approaches, Ankara, Turkey, 4 - 07 May 2009
- XXXVI. **Determination of Flurbiprofen in tablets by heavy atom induced room temperature phosphorescence**
Şatana Kara H. E., Ertaş N., Günden Göğeri N.
XXII European Conference on the Spectroscopy of Biological Molecules (ECSBM 2007), Paris, France, 1 - 06 September 2007
- XXXVII. **Flow injection spectrofluorometric determination of Citalopram HBr in pharmaceutical formulations**
Şatana Kara H. E., Günden Göğeri N.
XXII European Conference on the Spectroscopy of Biological Molecules (ECSBM' 2007), Paris, France, 1 - 07 September 2007
- XXXVIII. **Determination of Etodolac in Pharmaceutical Tablets by Heavy Atom Induced Room Temperature Phosphorescence**
Şatana Kara H. E., Ertaş N., Günden Göğeri N.
X National Spectroscopy Congress, İzmir, Turkey, 4 - 07 July 2007
- XXXIX. **Separation of Citalopram and Desmethylcitalopram by capillary zone electrophoresis**
Karakaya S., Çakır K., Şatana Kara H. E., Ertaş N., Günden Göğeri N.

8th Int. Symp. on Pharm. Sciences, Ankara, Turkey, 13 - 16 June 2006

- XL. **Determination of Citalopram using flow injection -solid phase extraction (SPE) with spectrofluorometric detection**
Şatana Kara H. E., Ertuş N., Günden Göğ er N.
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- XLI. **Spectrofluorometric determination of Citalopram HBr in pharmaceutical tablets**
Şatana Kara H. E., Ertuş N., Günden Göğ er N.
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- XLII. **Determination of Pindolol in tablet by heavy atom induced room temperature phosphorescence**
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- XLIII. **The Determination of Citalopram in pharmaceutical tablets and serum by capillary electrophoresis**
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- XLIV. **Flow Injection UV determination of Ibuprofen in pharmaceutical matrices**
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- XLV. **Determination of Ambroxol HCl in tablets by flow injection UV spectrophotometry**
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- XLVI. **Flow Injection Spectrofluorometric Determination of Citalopram HBr in Pharmaceutical Formulations**
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- XLVII. **Quantitative determination of Ketoprofen in gels and ampules by flow injection UV spectrophotometry**
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- XLVIII. **Simultaneous determination of Hydrochlorothiazide and Amiloride in pharmaceutical preparations by ratio derivative voltammetry**
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- LI. **Investigations of Electroanalytical Behaviour and Quantitative Determination of Acebutalol**
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- LII. **Voltammetric behaviour and determination of the b- blocker drug Sotalol Hydrochloride**
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6th Int. Symp. on Pharm. Sciences, Ankara, Turkey, 27 - 29 June 2000, pp.1-2
- LIII. **Simultaneous determination of Hydrochlorothiazide and Valsartan in tablets by ultraviolet derivative spectrophotometry**
Şatana Kara H. E., Altınay Ş., Günden Göğ er N.,  zkan S. A., Şent rk Z.
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Supported Projects

ŞATANA KARA H. E., Karataş B., Project Supported by Higher Education Institutions, BSAkaplı Pt nanozimlerin civa II iyonu tayininde kullanımı, 2023 - Continues

Şatana Kara H. E., Bilkay M., Project Supported by Higher Education Institutions, Fenilalanin Kaplı Bakır Nanokümlerin Sentezi ve Kanser İlaçlarının DNA ile Etkileşimlerinin Belirlenmesi İçin Floresant Prob Olarak Kullanımı, 2022 - 2024

Yıldırım A., Şatana Kara H. E., TUBITAK Project, Anethum Graveolens kullanılarak yeşil sentez yoluyla karbon nanopartikül sentezi ve karakterizasyonu, 2023 - 2023

Göğler N. G., Şatana Kara H. E., Yılmaz Ş., Yarımkaya Baş S., Project Supported by Higher Education Institutions, Kapiler Elektroferez Yöntemiyle Farmasötik Formlarda Mepiramin Maleat Lidokain HCl Dekspantenol ve Benzalkonyum Klorür Miktar Tayini, 2013 - 2015

ŞATANA KARA H. E., Project Supported by Higher Education Institutions, Spektrometrik yöntemlerle ilaç miktar tayinleri ve ilaç-DNA etkileşimlerinin belirlenmesi, 2012 - 2013

ŞATANA KARA H. E., Project Supported by Higher Education Institutions, DNA-İlaç etkileşimlerinin elektrokimyasal yöntemlerle tayini, 2012 - 2013

ŞATANA KARA H. E., Project Supported by Higher Education Institutions, İlaç Etkin Maddelerinin Akışa Enjeksiyonlu Ağır İyon Etkili Oda Sıcaklığında Fosforesans (HAI-RTP) ve HAI-RTP Optosensing Yöntemleri İle Kantitatif Tayinleri, 2008 - 2011

Göğler N. G., Şatana Kara H. E., Project Supported by Higher Education Institutions, Kapiler Elektroferez Yöntemiyle Parasetamol Kafein ve Kodein Miktar Tayini, 2007 - 2009

Berkkan A., Tamer U., Şatana Kara H. E., Project Supported by Higher Education Institutions, Elektrokimyasal Biyosensör Tasarımı, 2007 - 2009

Göğler N. G., Basan H., Şatana Kara H. E., Çam S., Project Supported by Higher Education Institutions, Propifenazonun Akışa Enjeksiyonlu UV Spektroskopisi Yöntemi ile Tayini, 2005 - 2007

Ertuş N., Tamer U., Şatana Kara H. E., Project Supported by Higher Education Institutions, Elektrokimyasal Kontrollü Sulfolanmış Overoksidize Polipirol Polimer Filminin Katı Faz Mikroekstraksiyon Aparatı Olarak Kullanımı, 2005 - 2007

Göğler N. G., Basan H., Şatana Kara H. E., Berkkan A., Project Supported by Higher Education Institutions, Sitalopram ve Desmetilsitalopramın Kapiller Elektroferez Yöntemiyle Steriospesifik Tayinleri, 2004 - 2006

Activities in Scientific Journals

Universal Journal of Pharmaceutical Research , Committee Member, 2016 - Continues

Pharmaceutical Sciences and Developmental Research , Committee Member, 2015 - 2017

SRL Pharmaceutica Analytica Acta , Committee Member, 2015 - 2017

Memberships / Tasks in Scientific Organizations

Türk Kimya Derneği, Member, 2021 - Continues, Turkey

Scientific Refereeing

BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, February 2024
JOURNAL OF FLUORESCENCE, Journal Indexed in SCI-E, February 2024
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, Journal Indexed in SCI-E, February 2024
LUMINESCENCE, Journal Indexed in SCI-E, February 2024
TUBITAK Project, 1002 - Quick Support Program, Gazi University, Turkey, February 2024
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Gazi University, Turkey, August 2023
SCIENTIFIC REPORTS, SCI Journal, July 2023
TÜBİTAK International Bilateral Joint Cooperation Program Project, Tunisia Ministry of Higher Education and Scientific Research Bilateral Joint Cooperation Program, Gazi University, Turkey, July 2023
RSC ADVANCES, SCI Journal, June 2023
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, June 2023
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NEW JOURNAL OF CHEMISTRY, SCI Journal, June 2023
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FOOD CHEMISTRY, SCI Journal, June 2023
FOOD CHEMISTRY, SCI Journal, May 2023
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, SCI Journal, May 2023
Project Supported by Higher Education Institutions, BAP Research Project, Anadolu University, Turkey, May 2023
FOOD CHEMISTRY, SCI Journal, April 2023
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TUBITAK Project, 2224 - International Scientific Activities Support Program, Gazi University, Turkey, June 2022
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Project Supported by Higher Education Institutions, BAP PhD, Gazi University, Turkey, May 2022
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JOURNAL OF MOLECULAR RECOGNITION, Journal Indexed in SCI-E, January 2022
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, November 2021
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TURKISH JOURNAL OF CHEMISTRY, SCI Journal, March 2021
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UNIVERSAL JOURNAL OF PHARMACEUTICAL RESEARCH, Other Indexed Journal, January 2021
ANALYTICAL CHEMISTRY, SCI Journal, January 2021
Journal of Research in Pharmacy, Journal Indexed in ESCI, December 2020
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BIOSENSORS & BIOELECTRONICS, Journal Indexed in SCI-E, September 2020
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CHEMICAL PAPERS, Journal Indexed in SCI-E, July 2020
RSC ADVANCES, Journal Indexed in SCI-E, July 2020
RSC ADVANCES, Journal Indexed in SCI-E, June 2020
TURKISH JOURNAL OF ANALYTICAL CHEMISTRY, Other Journals, April 2020

Journal of Research in Pharmacy, Journal Indexed in ESCI, April 2020
FABAD Journal of Pharmaceutical Sciences, Other Indexed Journal, April 2020
RSC ADVANCES, Journal Indexed in SCI-E, April 2020
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES , Journal Indexed in ESCI, March 2020
RSC ADVANCES, Journal Indexed in SCI-E, March 2020
FOOD CHEMISTRY, Journal Indexed in SCI-E, March 2020
RSC ADVANCES, Journal Indexed in SCI-E, March 2020
Universal Journal of Pharmaceutical Research, Other Indexed Journal, March 2020
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Journal of Research in Pharmacy, Journal Indexed in ESCI, February 2020
RSC ADVANCES, Journal Indexed in SCI-E, February 2020
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, February 2020
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, Journal Indexed in SCI-E, February 2020
RSC ADVANCES, Journal Indexed in SCI-E, February 2020
International Journal of Pharmaceutical Sciences and Developmental Research, Other Indexed Journal, January 2020

Scientific Consultations

TİTCK, Scientific Consultancy, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey, 2023 - Continues
TİTCK, Scientific Consultancy, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey, 2022 - Continues
TİTCK-Farmakope Birimi, Scientific Consultancy, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey, 2022 - Continues

Tasks In Event Organizations

Ulutaş O. K., ŞATANA KARA H. E., Ulusal Adli Eczacılık Sempozyumu, Scientific Congress, Ankara, Turkey, Mart 2022
Şatana Kara H. E., 3th International Gazi Pharma Symposium Series, GPSS 21, Scientific Congress, Ankara, Turkey, Eylül 2021
Şatana Kara H. E., GaziFarmaSem Gazi Üniversitesi Eczacılık Fakültesi FarmaEkol Öğrenci Topluluğu Sempozyumu, Scientific Congress, Ankara, Turkey, Mart 2018

Mobility Activity

Post Doc, Post Doc, Universidade de Coimbra, Portugal, 2010 - 2011
Improving Competencies and Qualifications, Guest Researcher, J. Heyrovsky Institute of Physical Chemistry, Czech Republic, 2000 - 2000

Metrics

Publication: 99
Citation (WoS): 409
Citation (Scopus): 562
H-Index (WoS): 11
H-Index (Scopus): 12

Congress and Symposium Activities

3th International Gazi Pharma Symposium Series, GPSS 21, Session Moderator, Ankara, Turkey, 2021
3th International Gazi Pharma Symposium Series, GPSS, Attendee, Ankara, Turkey, 2021
13th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2021
3rd International Congress on Agriculture, Environment and Health, Attendee, Aydın, Turkey, 2020
XVI. Ulusal Spektroskopi Kongresi, Attendee, Ankara, Turkey, 2019
17th Edition of International Conference and Exhibition on Pharmaceutics and Novel Drug Delivery Systems, Attendee, Moscow, Russia, 2018
5. Ulusal Tarım Kongresi, Attendee, Bursa, Turkey, 2018
12th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2018
Second International Gazi Pharma Symposium Series, GPSS, Attendee, Ankara, Turkey, 2017
17. Ulusal Kromatografi Kongresi-Kromatografi 17, Attendee, Çorum, Turkey, 2017
International Gazi Pharma Symposium Series, GPSS, Attendee, Antalya, Turkey, 2015
11th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2015
Symposium of the Analytical Division of SPQ-2014, Attendee, Coimbra, Portugal, 2014
6BBCAC, 6th Black Sea Basin Conference on Analytical Chemistry, Attendee, Trabzon, Turkey, 2013
10th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2012
XXI International Symposium on Bioelectrochemistry and Bioenergetics, Attendee, Krakow, Poland, 2011
28th International Symposium on Chromatography, Attendee, Valencia, Spain, 2010
13th International Conference on Electroanalysis, Attendee, Gijon, Spain, 2010
9th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2009
International Symposium on Drug Research and Development "From Chemistry to Medicine" and Educational Fair on "GLP and Laboratory Safety: New Approaches", Attendee, Ankara, Turkey, 2009
XXII European Conference on the Spectroscopy of Biological Molecules (ECSBM' 2007), Attendee, Paris, France, 2007
X National Spectroscopy Congress, Attendee, İzmir, Turkey, 2007
8th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2006
29th International Symposium on Capillary Chromatography & 3th GCxGC Symposium, Attendee, Trento, Italy, 2006
3rd BBCAC, Attendee, Constanta, Romania, 2005
IX National Spectroscopy Congress, Attendee, Ankara, Turkey, 2005
II. Ulusal HPLC ve Diğer Seperasyon Teknikleri Sempozyumu, Attendee, Ankara, Turkey, 2004
4th Aegean Analytical Chemistry Days, Attendee, Aydın, Turkey, 2004
Türk Anestezi ve Reanimasyon Kongresi TARK 2003 , Attendee, Antalya, Turkey, 2003
7th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2003
1st National Analytical Chemistry Congress, Attendee, Bursa, Turkey, 2002
6th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2000
Uluslararası Katılımlı "6. Biyomedikal Bilim ve Teknoloji Sempozyumu", Attendee, İzmir, Turkey, 1999
Colloquium Spectroscopicum Internationale XXXI, Attendee, Ankara, Turkey, 1999
1. Ege Analitik Kimya Günleri, Attendee, İzmir, Turkey, 1998

Scholarships

TUBİTAK-BİDEB , TUBİTAK, 2010 - 2011

Non Academic Experience

Ministry, Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, Analiz ve Farmakope Bilimsel ve Teknik Danışma Komisyonu

Türkiye İlaç ve Tıbbi Cihaz Kurumu

Türkiye İlaç ve Tıbbi Cihaz Kurumu

Türkiye İlaç ve Tıbbi Cihaz Kurumu

Coimbra Üniversitesi, Coimbra-Portekiz
Heyrovsky Enstitüsü, Prag, Çek Cumhuriyeti