Res. Asst. PhD HÜMA YILMAZ

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAQ-8757-2020
ScopusID: 56539380900
Yoksis Researcher ID: 167018

Education Information

Postgraduate, Hacettepe University, Sosyal Bilimler Enstitüsü, Sağlık Ekonomisi Ve Farmakoekonomi, Turkey 2022 - 2024
Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2014 - 2020
Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Yl) (Tezli), Turkey 2011 - 2014
Undergraduate, Karadeniz Technical University, Fen Fakültesi, Kimya Bölümü, Turkey 2006 - 2011

Foreign Languages

German, A2 Elementary

Dissertations

Doctorate, Antibiyotik tayini için moleküler baskılanmış polimer temelli fosforesans sensörü geliştirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, 2020
Postgraduate, Molekül baskılanmış katı-faz ekstraksiyon tekniğini kullanarak telmisartanın çeşitli ortamlardan florimetrik yöntemle tayini, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Yl) (Tezli), 2014

Research Areas

Analytical Chemistry, Chemistry, Analytical Chemistry

Academic Titles / Tasks

Research Assistant PhD, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2011 - Continues

Courses

Courses

Bio Art, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Development of a new phosphorescence sensor based on surface molecularly imprinted Mn-doped ZnS quantum dots for detection of melamine in milk products**
YILMAZ H., ERTAŞ N., BASAN H.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.309, 2024 (SCI-Expanded)

II. **Spectrofluorimetric determination of atenolol from human urine using high-affinity molecularly imprinted solid-phase extraction sorbent**
Gorbani Y., YILMAZ H., BASAN H.
LUMINESCENCE, vol.32, no.8, pp.1391-1397, 2017 (SCI-Expanded)

III. **Preconcentration of indapamide from human urine using molecularly imprinted solid-phase extraction**
YILMAZ H., BASAN H.
JOURNAL OF SEPARATION SCIENCE, vol.38, no.17, pp.3090-3095, 2015 (SCI-Expanded)

IV. **Development of a molecularly imprinted solid-phase extraction sorbent for the selective extraction of telmisartan from human urine**
Yılmaz H., Basan H.
JOURNAL OF SEPARATION SCIENCE, vol.38, no.8, pp.1433-1439, 2015 (SCI-Expanded)

Books & Book Chapters

I. **Molecularly Imprinted Polymers as Recognition and Signaling Elements in Sensors**
BASAN H., YILMAZ H.
in: Switchable Bioelectronics, Parlak, Onur, Editor, Jenny Stanford Publishing, New York, pp.161-191, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **A spectrofluorimetric sensor for Fosfosmycin Trometamol based on molecularly imprinted polymers on carbon dots for fluorescent sensing of in Urine**
Yılmaz H.
UKPLUA Bioinspired Materials, Newcastle Upon Tyne, England, 29 - 30 November 2022, pp.109

II. **Spectrofluorimetric Determination of Montelukast Sodium Based on Molecularly Imprinted Solid-Phase Extraction**
Yılmaz H.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.407

III. **Novel Selective Adsorption and Photodegradation of BPA by Molecularly Imprinted ModifiedTitanium Dioxide Particles in Water Samples**
Koç Keşir M., Durmaz E., Yılmaz H.
16th Nanoscience and Nanotechnology Conference, Ankara, Turkey, 05 September 2022, pp.384

IV. **Quantum Dots Coated with Molecularly Imprinted Polymer as a Phosphorescent Sensor for Selective Determination of Amoxicillin**
YILMAZ H., ERTAŞ N., BASAN H.
3rd International Environmental Chemistry (EnviroChem) Congress, 01 November 2021

V. **Determination of Rivastigmine by Using Molecularly Imprinted Solid-Phase Extraction**
Yıldız M., YILMAZ H., BASAN H.

Gazi Pharma Symposium Series, 08 September 2021

VI. **A Selective Phosphorescent Sensor for Cefdinir Detection Using Surface Imprinted Polymers Coated Mn-Doped ZnS Quantum Dots**
YILMAZ H., ERTAŞ N., BASAN H.
4th International Congress on Biosensors, Çanakkale, Turkey, 8 - 11 July 2019

VII. **Development of a Cefdinir Selective Optical SensorBased on Inorganic Molecularly Imprinted Polymers CoatedMn-doped ZnS Quantum Dots**
YILMAZ H., ERTAŞ N., BASAN H.
The 8th International Workshopon Surface Modificationfor Chemical and Biochemical Sensing, 3 - 07 November 2017

VIII. **Development of hybrid organic-inorganic surface imprinted Mn-doped ZnS QDs as a phosphorescent sensor for the recognition and detection of tobramycin**
Aktürk M., YILMAZ H., Akbaba T., ERTAŞ N., BASAN H.
2nd International Gazi Pharma Symposium, 11 - 13 October 2017

IX. **Surface molecularly imprinted inorganic polymer capped Mn-doped ZnS quantum dots as a phosphorescent sensor for detecting tobramycin**
YILMAZ H., ERTAŞ N., BASAN H.
2nd International Gazi Pharma Symposium, 11 - 13 October 2017

X. **Development of a phosphorescence sensor based on surface molecularly imprinted Mn-doped ZnS quantum dots for selective recognition of cefdinir**
YILMAZ H., ERTAŞ N., BASAN H.
First european and10th german biosensor symposium, 20 - 23 March 2017

XI. **Development of a phosphorescence sensor based on surface molecularlyimprinted Mn dopped ZnS quantum dots for selective recongnition of melamine**
YILMAZ H., ERTAŞ N., BASAN H.
The 9th International Conference on Molecular Imprinting, MIP2016, 26 - 30 June 2016

XII. **Determination of telmisartan using moleculary imprinted solid phase extractionspectrofluorimetric method from human urine**
YILMAZ H., BASAN H.
The 9th International Conference on Molecular Imprinting, MIP2016, 26 - 30 June 2016

XIII. **Preconcentration of indapamide from human urine using molecularly imprinted solid phase extraction**
YILMAZ H., BASAN H.
9th international conference on molecular imprinting, 26 - 30 June 2016

XIV. **Development of a phosphorescence sensor based on surface molecularly imprinted Mn doped ZnS quantum dots for selective recognition of melamine**
YILMAZ H., ERTAŞ N., BASAN H.
9 th international conference on molecular imprinting, 26 - 30 June 2016

XV. **Development of a phosphorescence sensor based on surface molecularly imprinted MN Dopped ZnS Quantum dots for selective recognition of melamine**
YILMAZ H., ERTAŞ N., BASAN H.
The 9th International Conference on Molecular Imprinting (MIP2016), Lund, Sweden, 26 - 30 June 2016, pp.365

XVI. **Determination of telmisartan using molecularly imprined solid phase extraction spectrofluorimetric method from human urine**
YILMAZ H., BASAN H.
9 th international conference on molecular imprinting, 2016, Lund, Sweden, Lund, Sweden, 26 - 30 June 2016

XVII. **Spectrofluorimetric determination of atenolol from human urine using molecularly imprinted solid phase extraction**
Yagoup G., YILMAZ H., BASAN H.
International Gazi Pharma Symposium Series, 12 - 15 November 2015

XVIII. **Fluoride ion determination based on surface enhanced Raman spectroscopy 1**

TAMER U., YILMAZ H.
0th International symposium on pharmaceutical sciences, 26 - 29 June 2012

XIX. **FLUORIDE ION DETERMINATION BASED-ON SURFACE ENHANCED RAMAN SPECTROSCOPY**
Yılmaz H., Torul H., Çiftçi H., Boyacı İ. H., Tamer U.
10 th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 June 2012

Supported Projects

DURMAZ E., YILMAZ H., Koç Kaya S., Project Supported by Higher Education Institutions, Perflorooktanoik Asit için Sularda ve Biyolojik Sıvılarda Moleküler Baskılanmış Polimer Temelli Analiz Yöntemi Geliştirilmesi, 2024 - Continues
Yılmaz H., TUBITAK Project, 5-Florourasil için yüzeyi baskılanmış polimerler kullanılarak spektroflorimetrik yöntem geliştirilmesi, 2023 - 2025
Yılmaz H., Akgün B., Basan H., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Bisfenol A'nın çeşitli ortamlardan seçici ekstraksiyonu için moleküler baskılanmış katı faz ekstraksiyon sorbentinin geliştirilmesi ve Orbitrap LC-MS ile Tayini, 2023 - 2025
Yılmaz H., TUBITAK Project, Trimetazidinin Seçimli Ekstraksiyonu İçin Moleküler Baskılanmış Polimerlerin Geliştirilmesi, 2023 - 2024
Basan H., Ertaş N., Yılmaz H., TUBITAK Project, Yüzeyi moleküler baskılanmış Mn doplanmış ZnS kuantum noktaları temelli fosforesans sensörünün geliştirilmesi, 2016 - 2018

Scientific Refereeing

Erzincan University Journal of Science and Technology , National Scientific Refreed Journal, October 2023
Frontiers in Life Sciences and Related Technologies , National Scientific Refreed Journal, July 2023

Metrics

Publication: 24
Citation (WoS): 39
Citation (Scopus): 46
H-Index (WoS): 3
H-Index (Scopus): 3

Congress and Symposium Activities

International Multidisciplinary Symposium on Drug Research and Development - DRD 2023, Attendee, İzmir, Turkey, 2023
UK-Poland-Ukraine Bioinspired Materials Conference, Attendee, Newcastle Upon Tyne, England, 2022
16th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, Attendee, Ankara, Turkey, 2022
3rd International Environmental Chemistry (EnviroChem) Congress, Attendee, Antalya, Turkey, 2021

Non Academic Experience

Leicester University