

## Res. Asst. HATİCE ÇAĞLAR YILMAZ

### Personal Information

Office Phone: [+90 904 223 4106](tel:+909042234106) Extension: 60

Email: [hatice.caglar@inonu.edu.tr](mailto:hatice.caglar@inonu.edu.tr)

Web: <https://avesis.inonu.edu.tr/hatice.caglar>

### Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2013 - Continues

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Turkey 2009 - 2012

Undergraduate, Inonu University, Fen Edebiyat, Kimya, Turkey 2003 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Other, Agilent 6460 LC-MS/MS Cihaz Yazılım, Donanım ve Kullanıcı Eğitimi, İnönü Üniversitesi Eczacılık Fakültesi, 2016

Other, Thermo Scientific Marka Çok Boyutlu HPLC Sistemi Eğitimi, İnönü Üniversitesi Eczacılık Fakültesi, 2016

Other, HPLC Analiz Yöntemleri ve Uygulamaları Eğitimi, Sem Laboratuvar Cihazları, 2016

Other, TÜBİTAK 1001 Projesi Hazırlama Eğitimi, Fırat Üniversitesi, 2014

Other, HPLC Tekniği ve Uygulamaları, İnönü Üniversitesi Eczacılık Fakültesi, 2013

Other, Yüzey Analiz Teknikleri ve Uygulamaları, İnönü Üniversitesi Bilimsel ve Teknolojik Araştırma Merkezi, 2013

Other, Deney Hayvanları Kullanım Sertifikası, İnönü Üniversitesi Deney Hayvanları Araştırma ve Uygulama Merkezi, 2010

### Dissertations

Postgraduate, Soğuk Algınlığı ve Öksürük Tedavisinde Kullanılan Şuruplardaki Aktif Maddelerin HPLC Metoduyla Tayin Edilmesi , Inonu University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, 2012

### Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Semiconductor and Superconductor Materials, Nanomaterials, Chemistry, Analytical Chemistry, Separation Methods, Pharmaceutical Analysis, Chromatographic Analysis, Spectroscopical Methods, Surface Analysis, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Inonu University, Sağlık Bilimleri Enstitüsü, Temel Eczacılık Bilimleri, 2011 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of Regional Intestinal Permeability of Diclofenac and Metoprolol Using a Newly-Developed and Validated High Performance Liquid Chromatographic Method**  
BÜYÜKTUNCEL S. E., KAYNAK M. S., Şahin S., ÇAĞLAR YILMAZ H.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.14, no.1, pp.163-170, 2015 (SCI-Expanded)
- II. **HPLC METHOD DEVELOPMENT AND VALIDATION: SIMULTANEOUS DETERMINATION OF DICLOFENAC, METOPROLOL AND PHENOL RED IN BIOLOGICAL MATRIX FOR INTESTINAL PERFUSION STUDIES**  
Çağlar H., KAYNAK M. S., ŞAHİN S., Buyuktuncel E.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.179-181, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of the effect of watercress via nuclear factor-E2-related factor-2 pathway on 7,12-dimethylbenz[a]anthracene-induced oxidative damage in rat liver**  
ATAY K., UYUMLU A. B., SATILMIŞ B., TAŞLIDERE A., ÇAĞLAR YILMAZ H.  
JOURNAL OF HEALTH SCIENCES AND MEDICINE, vol.4, 2021 (Peer-Reviewed Journal)
- II. **HPLC method development and validation: Simultaneous determination of active ingredients in cough and cold pharmaceuticals**  
Çağlar H., Büyüktuncel E.  
International Journal of Pharmacy and Pharmaceutical Sciences, vol.6, no.10, pp.421-428, 2014 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Chromatographic monitoring of photocatalytic degradation of humic acid with S doped TiO<sub>2</sub>**  
Erdemoğlu S., İlhan C., Çağlar Yılmaz H., Akgeyik E.  
18th INTERNATIONAL CHROMATOGRAPHY CONGRESS, İstanbul, Turkey, 15 - 18 November 2018, vol.1, no.1, pp.93-94
- II. **Photocatalytic Degradation Of Amoxicillin By Cobalt Doped Nano TiO<sub>2</sub>,**  
ÇAĞLAR YILMAZ H.  
International Congress On Environmental Research And Technology,, Belgrad, Serbia And Montenegro, 8 - 12 November 2017, pp.11
- III. **Photocatalytic Degradation of Atrazine With Mn Doped TiO<sub>2</sub>**  
ÇAĞLAR YILMAZ H.  
9th Aegean Analytical Chemistry Days, Chios, Greece, 29 September - 03 October 2014
- IV. **Simultaneous Determination and Validation of a HPLC Method For Some Active Ingredients in Cough and Cold Pharmaceuticals.**  
ÇAĞLAR YILMAZ H.  
6th ANALYTICAL CHEMISTRY BLACK SEA BASIN CONFERENCE, Trabzon, Turkey, 10 - 14 September 2013, pp.135
- V. **Öksürük ve Soguk Algınlığı Suruplarında Psödoefedrin Hidroklorür, Feniramin Maleat, Asetaminofen, Guaifenesin, Pirilamin Maleat, Klorfeniramin Maleat, Triprolidin Hidroklorür, Dekstrometorfan Hidrobromür ve Difenhidramin Hidroklorürün HPLC Yöntemiyle Es Zamanlı Tayini.**  
ÇAĞLAR YILMAZ H.  
Kromatografi 2013, Bursa, Turkey, 19 - 22 June 2013, pp.160
- VI. **HPLC Method Development and Validation: Simultaneous Determination of Pseudoephedrine hydrochloride, Pheniramine Maleate, Acetaminophen, Guaifenesin, Pyrilamine Maleate, Chlorpheniramine Maleate, Triprolidine Hydrochloride, Dextromethorphan hydrobromide, Diphenhydramine hydrochloride in Cough and Cold Pharmaceuticals**

ÇAĞLAR YILMAZ H.

Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012, pp.181

VII. **Determination Of Permeability Of Diclofenac Sodium In The In-Situ Intestinal Perfusion Preparation**

ÇAĞLAR YILMAZ H.

International Symposium On Drug Research Development, Antalya, Turkey, 27 - 29 May 2011, pp.160

VIII. **Simultaneous Determination of Diclofenac, Metoprolol and phenol red in Biological Matrix for Intestinal Perfusion Studies**

ÇAĞLAR YILMAZ H.

3rd BBBBosphorus International Conference On Pharmaceutical Science, Antalya, Turkey, 26 - 28 October 2009, pp.179-181

## Supported Projects

ERDEMOĞLU S., ÇAĞLAR YILMAZ H., Project Supported by Higher Education Institutions, Yüzey koruyucu olarak TiO<sub>2</sub> temelli nanokaplamaların hazırlanması ve çeşitli mimari yüzeylerde uygulanabilirliğinin araştırılması, 2019 - 2020

## Metrics

Publication: 13

Citation (Scopus): 8

H-Index (Scopus): 1

## Congress and Symposium Activities

3rd International Congress on Environmental Researches and Technology, Attendee, Beograd, Serbia And Montenegro, 2017

9th Aegean Analytical Chemistry Days, Attendee, Greece, 2014

6th Black Sea Basin Conference on Analytical Chemistry, Attendee, Trabzon, Turkey, 2013

Kromatografi 2013, Attendee, Bursa, Turkey, 2013

8th Aegean Analytical Chemistry Days, Attendee, izmir, Turkey, 2012

International Symposium On Drug Research Development, Attendee, Antalya, Turkey, 2011

3rd BBBBosphorus International Conference On Pharmaceutical Science, Attendee, Antalya, Turkey, 2009