

## Prof. Adem Asan

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0282-3874

Publons / Web Of Science ResearcherID: F-9195-2019

Yoksis Researcher ID: 2299

### Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1995 - 1999

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1992 - 1995

Undergraduate, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Turkey 1986 - 1990

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Alifatik diaminlerin ve suda çözünen yaygın fenollerin yüksek basınç sıvı kromatografisi ile ayırımı ve UV-görünüm spektrofotometrik tayinleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1999

Postgraduate, Samsun yöresi (Çarşamba-Bafra) Yüzey sularında kirlilik düzeylerinin belirlenmesi, Ondokuz Mayıs University, Eğitim Fakültesi, Kimya Öğretmenliği, 1995

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2011 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2005 - 2011

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2000 - 2005

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1998 - 2000

Research Assistant, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 1991 - 1998

## Academic and Administrative Experience

Ondokuz Mayıs University, 2017 - 2020

Ondokuz Mayıs University, 2005 - 2013

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

- I. **One-step pre-column derivatization method for HPLC-UV determination of organic acids in fruit juices**  
Seddiq N., Asan A.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.46, pp.192-199, 2023 (SCI-Expanded)
- II. **Trace analysis of amines in cheese serum with liquid chromatographic potentiometric detection by using amine-selective electrode**  
Aydin R., Asan A., ATTAR A., İŞILDAK İ.  
ARABIAN JOURNAL OF CHEMISTRY, vol.12, no.8, pp.4533-4540, 2019 (SCI-Expanded)
- III. **Determination of Biogenic Amines at Low  $\mu\text{g L}^{-1}$  Levels as Acetylacetone Derivatives by RP-HPLC with UV-Visible Detection in Expired Apple Juice Samples**  
AKMEŞE B., Asan A.  
ACTA CHIMICA SLOVENICA, vol.65, no.3, pp.539-546, 2018 (SCI-Expanded)
- IV. **A validated RP-LC method for salmeterol and fluticasone in their binary mixtures and their stress degradation behavior under ICH-recommended stress conditions**  
AKMEŞE B., ŞANLI S., ŞANLI N., Asan A.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.69, no.6, pp.563-573, 2014 (SCI-Expanded)
- V. **A Simple Flow Injection Spectrophotometric Procedure for Direct Determination of Copper(II) in Environmental Samples**  
AKMEŞE B., Aydin R., Asan A.  
ASIAN JOURNAL OF CHEMISTRY, vol.26, no.12, pp.3653-3656, 2014 (SCI-Expanded)
- VI. **A very sensitive flow-injection spectrophotometric determination method for iron (II) and total iron using 2', 3, 4', 5, 7-pentahydroxyflavone**  
Asan A., Aydin R., Semiz D. K., Erci V., İŞILDAK İ.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.185, no.3, pp.2115-2121, 2013 (SCI-Expanded)
- VII. **Flow injection spectrofluorimetric determination of iron(III) in water using salicylic acid**  
Asan A., Andaç M., İŞILDAK İ.  
CHEMICAL PAPERS, vol.64, no.4, pp.424-428, 2010 (SCI-Expanded)
- VIII. **A simple flow injection spectrophotometric determination method for iron(III) based on O-acetylsalicylhydroxamic acid complexation**  
Andaç M., Asan A., İŞILDAK İ.  
CHEMICAL PAPERS, vol.63, no.3, pp.268-273, 2009 (SCI-Expanded)
- IX. **Flow injection spectrophotometric determination of iron(III) using diphenylamine-4-sulfonic acid sodium salt**  
Asan A., Andaç M., İŞILDAK İ., TINKİLİÇ N.  
CHEMICAL PAPERS, vol.62, no.4, pp.345-349, 2008 (SCI-Expanded)
- X. **A Simple flow-injection spectrofluorimetric method for the determination of mercury**  
Andaç M., Asan A., Tinkilic N., İŞILDAK İ.  
JOURNAL OF FLUORESCENCE, vol.17, no.4, pp.401-405, 2007 (SCI-Expanded)
- XI. **Flow-injection spectrophotometric determination of cobalt(II) at low  $\mu\text{g L}^{-1}$  levels with 4-benzylpiperidinedithiocarbamate**  
Andaç M., Asan A., İŞILDAK İ., Cesur H.  
Analytica Chimica Acta, vol.434, no.1, pp.143-147, 2001 (SCI-Expanded)
- XII. **Flow-injection spectrophotometric determination of copper(II) ion at low  $\mu\text{g L}^{-1}$  levels using 4-benzylpiperidinedithiocarbamate**

- Asan A., Andaç M., İŞILDAK İ.  
Analytical Sciences, vol.17, no.9, pp.1125-1127, 2001 (SCI-Expanded)
- XIII. **Flow-injection spectrophotometric determination of copper (II) ion at low  $\mu\text{g L}^{-1}$  levels**  
Asan A.  
International Journal of Environmental Analytical Chemistry, vol.79, no.2, pp.111-119, 2001 (SCI-Expanded)
- XIV. **Simultaneous detection of monovalent anions and cations using all solid- state contact PVC membrane anion and cation-selective electrodes as detectors in single column ion chromatography**  
İŞILDAK İ., Asan A.  
Talanta, vol.48, no.4, pp.967-978, 1999 (SCI-Expanded)
- XV. **Spectrophotometric determination of copper(II) at low  $\mu\text{g L}^{-1}$  levels using cation-exchange microcolumn in flow-injection**  
İŞILDAK İ., Asan A., Andaç M.  
Talanta, vol.48, no.1, pp.219-224, 1999 (SCI-Expanded)
- XVI. **A rapid HPLC determination of C2-C7 aliphatic diamines by precolumn derivatization with acetylacetone in methanol-water**  
Asan A., İŞILDAK İ.  
Mikrochimica Acta, vol.132, no.1, pp.13-16, 1999 (SCI-Expanded)

### Articles Published in Other Journals

- I. **A Simple Spectrophotometric Determination of Amoxicillin in Drug Samples**  
Asan A., Seddiq N.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.2, pp.423-432, 2022 (Scopus)
- II. **Çevre numunelerindeki potasyumun akış enjeksiyon analiz yöntemi ile iyon seçici elektrot kullanılarak potansiyometrik tayini**  
ASAN A.  
Batman Üniversitesi Yaşam Bilimleri Dergisi, vol.10, no.2, pp.136-150, 2020 (Peer-Reviewed Journal)
- III. **Determination of Sodium Ion in Environmental Samples by Using Potentiometric Detector in Flow Injection Technique**  
ASAN A.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.655-668, 2020 (Peer-Reviewed Journal)
- IV. **Determination of Calcium Ion in Environmental Samples Using a Potentiometric Sensor as a Detector in Flow Injection Analysis Method**  
ASAN A.  
International Journal of Pure and Applied Sciences, vol.5, no.1, pp.37-45, 2019 (Peer-Reviewed Journal)
- V. **Çevre Numunelerindeki Magnezyumun Akış Enjeksiyon Analiz Yöntemi ile İyon Seçici Elektrot Kullanarak Potansiyometrik Tayini**  
ASAN A.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.2, no.1, pp.30-40, 2019 (Peer-Reviewed Journal)
- VI. **Akış Enjeksiyon analiz Yönteminde Detektör Olarak Potansiyometrik Sensör kullanılarak Çevre Numunelerinde Kalsiyum İyonu Tayini**  
ASAN A.  
International Journal of Pure and Applied Sciences, vol.5, no.1, pp.37-45, 2019 (Peer-Reviewed Journal)
- VII. **İyon-Seçici Elektrotlar Kullanılarak Çevre Numunelerindeki Sularda Sertlik Tayini**  
ASAN A.  
ALKÜ Fen Bilimleri Dergisi, vol.1, no.1, pp.8-19, 2019 (Peer-Reviewed Journal)
- VIII. **Simultaneous Determination of Three Phenolic Compounds in Water Samples by Pre-column Derivatization Coupled with Reversed-Phase High Performance Liquid Chromatography**  
ASAN A., KONANAC M. U., AKMEŞE B.

- Hacettepe Journal of Biology and Chemistry, vol.46, no.2, pp.147-157, 2018 (Peer-Reviewed Journal)
- IX. **Determination of Calcium and Magnesium in Soils of Samsun-Çarşamba Region by Using Ion-Selective Electrodes**  
ASAN A.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.5, no.3, pp.201-208, 2018 (Peer-Reviewed Journal)
- X. **Optimization of the Schiff-Base Reaction of Acetylacetone with Biogenic Amines**  
AKMEŞE B., ASAN A.  
Hittite Journal of Science and Engineering, vol.4, no.1, pp.79-83, 2017 (Peer-Reviewed Journal)
- XI. **Development of a Flow-Injection with Spectrophotometric Method for Total Iron in Water Samples**  
ASAN A., AKMEŞE B.  
Hacettepe Journal of Biology and Chemistry, vol.45, no.4, pp.515-522, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Biyojen Aminlerden Histamin, Kadeverin ve Tiraminin Yüksek Performanslı Sıvı Kromatografisinde Eş Zamanlı Tayinleri için Metot Optimizasyonu**  
AKMEŞE B., ASAN A.  
17th Kromatografi Kongresi – KROMATOĞRAFI'17, Çorum, Turkey, 20 - 22 September 2017
- II. **Determination of pKa value of rexithromycin in tetrahydrofuran water binary mixtures by reversed phase liquid chromatography**  
AKMEŞE B., ŞANLI S., ŞANLI N., ASAN A.  
international conference 10th Aegean analytical chemistry days, 29 October - 02 November 2016
- III. **Determination of Optimum Conditions For Biogenic Amines Derivatized With Acetylacetone**  
AKMEŞE B., ASAN A.  
international semposium, 24 - 28 March 2015, pp.41
- IV. **Potentiometric Detection of Alifatic Mono carboxylic Acids in Ion Chromatography Employing Polimeric Liquid Membrane Electrodes Incorporating Anion Exchangers**  
KANBEROĞLU G. S., ASAN A., İŞILDAK İ., TINKILIÇ N.  
8 th International Electrochemistry Meeting, October 8-11, 2009, Antalya, Antalya, Turkey, 8 - 11 October 2009
- V. **Potentiometric Detection of Alifatic Amines in Ion Chromatography**  
AYDIN R., ASAN A., TINKILIÇ N.  
8 th International Electrochemistry Meeting, October 8-11, 2009, Antalya, Antalya, Turkey, 8 - 11 October 2009
- VI. **Fe<sup>3+</sup> İyonlarının Akış Enjeksiyon Sisteminde Spektroflorometrik Tayini**  
ASAN A., ANDAÇ M., TINKILIÇ N.  
23. Ulusal Kimya Kongresi, Sivas 2009, Sivas, Turkey, 16 - 20 June 2009
- VII. **Seçici Kondüktometrik ve Potansiyometrik Ag Seçici Mikrosensör ve Uygulamaları**  
YOLCU M., KALKAN UÇAR S., TÜRKMEN F., TINKILIÇ N., ASAN A.  
IV. Ulusal Analitik Kimya Kongresi, Elazığ 2008, Elazığ, Turkey, 25 - 27 June 2008

## Supported Projects

- Asan A., Project Supported by Higher Education Institutions, İlaçlarda Olanzapinin Spektrofotometrik Tayini, 2015 - Continues
- Asan A., Project Supported by Higher Education Institutions, Selenyumun Spektrofotometrik Tayini, 2015 - Continues
- Asan A., Project Supported by Higher Education Institutions, Organik Asitlerin Yüksek Basınç Sıvı Kromatografisi ile Ayırımı ve UV-Görünür Spektrofotometrik Tayinleri, 2020 - 2022
- Asan A., Project Supported by Higher Education Institutions, Biyojen Aminlerin Yüksek Basınç Sıvı Kromatografisi ile Ayırımı ve UV-Görünür Spektrofotometrik Tayinleri, 2013 - 2016