

# Lect. PhD EMRAH AKGEYİK

## Personal Information

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## Education Information

|             |   |
|-------------|---|
| 2014 - 2022 | Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey           |
| 2010 - 2014 | Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya (Y) (Tezli), Turkey |
| 2006 - 2010 | Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey               |

## Dissertations

|      |  |
|------|--|
| 2022 | SYNTHESIS OF POLYETHYLENE IMINE MODIFIED TiO <sub>2</sub> AND INVESTIGATION OF ITS USABILITY FOR ADSORPTION OF CHROMIUM IONS AND/OR PHOTOCATALYTIC DECOMPOSITION OF ORGANIC POLLUTANTS, Inonu University, Fen Bilimleri Enstitüsü, Doctorate |
| 2014 | İmidazolinon pestisit grubu "imazamoxxun" s katkılanmış nano-TiO <sub>2</sub> ile fotokatalitik parçalanması ve yıkım ara ürünlerinin belirlenmesi, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya (Y) (Tezli), Postgraduate      |

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

- I. **Evaluation on reducing toxicity of fluoxastrobin with doped TiO<sub>2</sub> nanoparticles**  
GÜNGÖRDÜ A., ÖZMEN N., ERDEMOĞLU S., ÖZHAN TURHAN D., ASİLTÜRK M., AKGEYİK E., ÖZMEN M.  
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.1, pp.11-24, 2021 (SCI-Expanded)
- II. **A Rapid Response Humidity Sensor for Monitoring Human Respiration with TiO<sub>2</sub>-Based Nanotubes as a Sensing Layer**  
ATALAY S., ERDEMOĞLU S., KOLAT V. S., İZGİ T., Akgeyik E., Yilmaz H. C., Kaya H., Atalay F. E.  
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.5, pp.3209-3215, 2020 (SCI-Expanded)
- III. **Photocatalytic degradation of amoxicillin using Co-doped TiO<sub>2</sub> synthesized by reflux method and monitoring of degradation products by LC-MS/MS**  
Yilmaz H. C., Akgeyik E., Bougarrani S., El Azzouzi M., ERDEMOĞLU S.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.41, no.3, pp.414-425, 2020 (SCI-Expanded)
- IV. **Photocatalytic degradation of azo dye using core@shell nano-TiO<sub>2</sub> particles to reduce toxicity**  
ÖZMEN N., ERDEMOĞLU S., GÜNGÖRDÜ A., ASİLTÜRK M., Turhan D. O., Akgeyik E., Harper S. L., ÖZMEN M.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.25, no.29, pp.29493-29504, 2018 (SCI-Expanded)
- V. **Development of HPLC Methods for Individual Determination of 20 Active Pharmaceutical Ingredients for Ussing-Chamber Studies**  
KAYNAK M. S., Akgeyik E., ATEŞ M., ÇELEBİER M., ŞAHİN S.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.2, pp.145-153, 2017 (SCI-Expanded)
- VI. **Application of HPLC to Investigate the Physicochemical Properties and Intestinal Permeability of Ketoprofen**  
KAYNAK M. S., ÇELEBİER M., Akgeyik E., ŞAHİN S., Altinoz S.

CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.72-79, 2017 (SCI-Expanded)

VII. **Evaluation of Pharmaceutical Quality of Conventional Dosage Forms Containing Paracetamol and Caffeine Available in the Turkish Drug Market**

Akgeyik E., KAYNAK M. S., ÇELEBİER M., Altinoz S., ŞAHİN S.

DISSOLUTION TECHNOLOGIES, vol.23, no.2, pp.36-41, 2016 (SCI-Expanded)

## Articles Published in Other Journals

I. **Exploring the Correlation between Ibuprofen Solubility and Permeability in Intestinal Disease Conditions**

Kaynak M. S., Soyseven M., Kaval B., Çelebier M., Akgeyik E., Şahin S., Arli G.

ACTA PHARMACEUTICA SCIENCIA, vol.61, no.3, 2023 (Scopus)

II. **Preparation and characterization of co-doped tio<sub>2</sub> for efficient photocatalytic degradation of ibuprofen**

ÇAĞLAR YILMAZ H., İlhan C., Akgeyik E., ERDEMOĞLU S.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.8, no.2, pp.553-566, 2021 (Scopus)

III. **Determination of the Physicochemical Properties of Piroxicam**

ÇELEBİER M., NENİ M., KAPLAN O., AKGEYİK E., KAYNAK M. S., ŞAHİN S.

Turkish Journal of Pharmaceutical Sciences, vol.17, no.5, pp.535-541, 2020 (ESCI)

IV. **Assessment of pharmaceutical quality and release kinetics of metoprolol tartrate extended release tablets available in Turkish drug market**

GENCER A., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., BERKMAN M. S., ŞAHİN S.

Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi C- yaşam Bilimleri ve Biyoteknoloji (Online), vol.9, no.2, pp.179-189, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **DETERMINATION OF MICELLIZATION CHARACTERISTICS OF POLYOXYL 35 CASTOR OIL MICELLES CONTAINING VITAMIN D3 ORAL DROPS**

Akgeyik E., Kaynak M. S., Gümüşel B., Gümüşel B.

20th International Pharmaceutical Technology Symposium - IPTS 2022, Ankara, Turkey, 21 - 23 February 2022, pp.269-271

II. **SYNTHESIS, CHARACTERIZATION and PHOTOCATALYTIC PERFORMANCE OF CO DOPED TiO<sub>2</sub>**

ÇAĞLAR YILMAZ H., KURNAZ İLHAN C., AKGEYİK E., ERDEMOĞLU S.

THE 3RD INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS (PCFM-2020), Malatya, Turkey, 22 - 24 September 2020

III. **Toxicity Determination of Phenol, Hippuric Acid and 3-Methyl Hippuric Acid in Urine**

KARTALOĞLU N., UZUN AKGEYİK A., AKGEYİK E., ALSALEH A., Hıdırlar A., TÜRKSOY V. A.

International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019

IV. **Characterization of Kidney Stones by XRD Method and Determination of Species Ratios**

Hıdırlar A., GÜREL A., UZUN AKGEYİK A., KARTALOĞLU N., AKGEYİK E., ALSALEH A., TÜRKSOY V. A.

International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019

V. **Toxicological Evaluation of Prepared Drinking Water**

Akgeyik E., Uzun A., Kartaloğlu N., Hıdırlar A., Alsaleh A., Türksoy V. A.

International Industrial and Environmental Toxicology Congress October 26-29, 2019, Antalya, Turkey, Antalya, Turkey, 26 - 29 October 2019, pp.28

VI. **Molecular Techniques and Applications in Toxicology at Yozgat Bozok University**

Alsaleh A., Kartaloğlu N., Uzun Akgeyik A., Akgeyik E., Hıdırlar A., Türksoy V. A.

International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019, pp.1

- VII. **Preconcentration and Determination of Cu (II) Ions in Environmental Samples by EDTA Modified Amorphous TiO<sub>2</sub>-SPE Column and FAAS**  
ERDEMOĞLU S., PORGALI E., AKGEYİK E.  
1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019
- VIII. **Chromatographic monitoring of photocatalytic degradation of humic acid with S doped TiO<sub>2</sub>**  
İLHAN C., ÇAĞLAR YILMAZ H., AKGEYİK E., ERDEMOĞLU S.  
Uluslararası katılımlı 18. Ulusal Kromatografi Kongresi, İstanbul, Turkey, 15 November 2018
- IX. **Determination of pKa Value of Anticonvulsant Nafimidone Oxime O-Propyl Ether**  
AKGEYİK E., ÖZDEMİR Z., ATEŞ M., KAYNAK M. S., ÇELEBİER M., ALTINÖZ S., ŞAHİN S., KARAKURT A.  
2016 AAPS Annual Meeting and Exposition, Denver, United States Of America, 13 November 2016 - 17 November 2017
- X. **Photocatalytic Degradation Of Amoxicillin by Cobalt-Doped Nano TiO<sub>2</sub>**  
ÇAĞLAR YILMAZ H., ERDEMOĞLU S., AKGEYİK E., El Azzouzi M.  
3rd International Congress On Environmental Researches And Technology (ICERAT), Belgrade, Serbia, 08 November 2017
- XI. **Removal Of Cu<sup>2+</sup> Ions From Waste Water Using EDTA Modified TiO<sub>2</sub>**  
PORGALI E., AKGEYİK E., ERDEMOĞLU S.  
International Mining and Environment Symposium 27-29 September 2017, Muğla, Turkey, 27 September 2017
- XII. **Photocatalytic Degradation and Reduction of Toxicity of an Azo Dye Using Core@Shell Nanoparticles**  
ÖZMEN N., ERDEMOĞLU S., GÜNGÖRDÜ A., AKGEYİK E., ÖZHAN TURHAN D., ASİLTÜRK M., Harper S. L., ÖZMEN M.  
XIII. International Participation Ecology and Environment Congress UKECEK 2017, Edirne, Turkey, 12 September 2017
- XIII. **Comparative Evaluation of Photocatalytic Degradation Capacity of Novel Titanium Nanoparticles**  
GÜNGÖRDÜ A., ÖZMEN N., ÖZHAN TURHAN D., ASİLTÜRK M., ERDEMOĞLU S., AKGEYİK E., ÖZMEN M.  
XIII. International Participation Ecology and Environment Congress UKECEK 2017, Edirne, Turkey, 12 September 2017
- XIV. **Toxicological evaluation and photocatalytic degradation capability of newly synthesized nanoparticles**  
ÖZMEN N., ERDEMOĞLU S., ASİLTÜRK M., AKGEYİK E., ÖZHAN TURHAN D., ÖZMEN M.  
Society of Environmental Toxicology and Chemistry 7th SETAC World Congress North America 37th Annual Meeting, Orlando, United States Of America, 06 November 2016
- XV. **Evaluation of the toxicity of newly synthesized titanium dioxide nanoparticles**  
ÖZMEN M., GÜNGÖRDÜ A., ERDEMOĞLU S., ÖZMEN N., AKGEYİK E., ASİLTÜRK M., Harper S. L.  
Society of Environmental Toxicology and Chemistry 7th SETAC World Congress North America 37th Annual Meeting, Orlando, United States Of America, 06 November 2016
- XVI. **Reactive Black 5 Boyar Maddesinin Kükürt Katkılı Nano TiO<sub>2</sub> ile fotokatalitik yıkımının HPLC ve LC/MS ile izlenmesi**  
KAÇMAZ A., AKGEYİK E., ERDEMOĞLU S.  
16. Ulusal Kromatografi Kongresi, Malatya, Turkey, 31 August - 02 September 2016
- XVII. **Comparative Assessment of Newly Synthesized Nano TiO<sub>2</sub> for Photocatalytic Capability and Toxicological Properties**  
ÖZMEN N., ÖZHAN TURHAN D., GÜNGÖRDÜ A., AKGEYİK E., ASİLTÜRK M., ERDEMOĞLU S., ÖZMEN M.  
7th International Congress Nanotechnology in Medicine & Biology 6 - 8 April 2016, Krems, Austria, 06 April 2016
- XVIII. **Development of HPLC Methods for Individual Determination of 20 Active Pharmaceutical Ingredients for Ussing-Chamber Studies**  
KAYNAK M. S., AKGEYİK E., ATEŞ M., ÇELEBİER M., ŞAHİN S.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Eskişehir, Turkey, 17 - 19 October 2015
- XIX. **Quality Control of Extended - Release Metoprolol Tartrate Tablets Available in Turkish Drug Market**  
GENCER A., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.

International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Eskişehir, Turkey, 17 October 2015

- XX. **Assesment of Pharmaceutical Quality of Furosemide Tablets Available in Turkish Drug Market**  
YILDIZ B., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Eskişehir, Turkey, 17 October 2015
- XXI. **Determination of Physicochemical Properties of Piroxicam**  
ÇELEBİER M., NENİNİ M., KAPLAN O., AKGEYİK E., KAYNAK M. S., ALTINÖZ S., ŞAHİN S.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Eskişehir, Turkey, 17 October 2015
- XXII. **Photocatalytic degradation of imazamox “imidazolinon pesticide group” with S doped nano TiO<sub>2</sub>**  
AKGEYİK E., ASILTÜRK M., ERDEMOĞLU S.  
9th Aegean Analytical Chemistry Days (AACD 2014), chios, Greece, 29 September 2015
- XXIII. **Kükürt Katkılı Nano TiO<sub>2</sub> Fotokatalizör Sentezi ve Spektroskopik Yöntemlerle Karakterizasyonu**  
AKGEYİK E., ASILTÜRK M., ERDEMOĞLU S.  
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015
- XXIV. **HPLC Method Development for Analysis of Furosemide in Quality Control Laboratories**  
YILDIZ B., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.  
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- XXV. **Reactive red 120 tekstil boyar maddesinin kükürt katkılanmış nano TiO<sub>2</sub> ile fotokatalitik yıkım sürecinin HPLC-DAD ile izlenmesi**  
KAÇMAZ A., PORGALI E., AKGEYİK E., ERDEMOĞLU S.  
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- XXVI. **Development and Validation of a New HPLC Method with UV/DAD Detection for Analysis of Metoprolol Tartrate in Quality Control Studies**  
GENCER A., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.  
15. Ulusal Kromatografi Kongresi, Uşak Üniversitesi 8-10 Nisan 2015, Uşak, Turkey, 8 - 10 April 2015
- XXVII. **Development and Validation of an HPLC Method: Determination of Amlodipine Besylate in Quality Control Studies**  
BALTAÇI R. Ş., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.  
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- XXVIII. **An HPLC Method with UV Detection for Analysis of Content Uniformity and Dissolution Rate of Paracetamol**  
TOPALOĞLU B., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., ŞAHİN S.  
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- XXIX. **Investigation of Physicochemical Properties of Ketoprofen by HPLC**  
ÇELEBİER M., AKGEYİK E., ATEŞ M., KAYNAK M. S., ALTINÖZ S., ŞAHİN S.  
AAPS Annual Meeting 2014, San Diego-CA, United States Of America, 2 - 06 November 2014
- XXX. **HPLC Method Development and Validation for Simultaneous Determination of Ketoprofen, Metoprolol and Phenol Red**  
AKGEYİK E., ATEŞ M., KAYNAK M. S., ÇELEBİER M., ŞAHİN S., ALTINÖZ S.  
AAPS Annual Meeting 2014, San Diego-CA, United States Of America, 2 - 06 November 2014
- XXXI. **Investigation of pH Effect on the Intestinal Permeability of Ketoprofen by HPLC: A Basic Approach to correlate the in vitro and in situ Results**  
KAYNAK M. S., ÇELEBİER M., AKGEYİK E., ATEŞ M., ŞAHİN S., ALTINÖZ S.  
30th International Symposium on Chromatography, Salzburg, Austria, 14 - 18 September 2014
- XXXII. **Quality Control of Conventional Paracetamol and Caffeine Combined Dosage Forms in Turkish Drug Market**  
AKGEYİK E., ÇELEBİER M., KAYNAK M. S., ALTINÖZ S., ŞAHİN S.  
17th International Pharmaceutical Technology Symposium, Antalya, Turkey, 08 September 2014
- XXXIII. **Imazamox'un, kükürt katkılanmış Nano-TiO<sub>2</sub> ile fotokatalitik degradasyonunun incelenmesi**

AKGEYİK E., ASİLTÜRK M., ERDEMOĞLU S.

6th National Analytical Chemistry Congress, Hatay, Turkey, Hatay, Turkey, 3 - 07 November 2012

## **Metrics**

Publication: 44

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