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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2012 - 2017

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2009 - 2012

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2003 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, OKRATOKSİN A TAYINI İÇİN MONOLİTİK AFİNİTE KOLONLARININ HAZIRLANMASI VE İKİ-BOYUTLU HPLC SİSTEMİNDE ÇEVİRİMİÇİ ANALİZLERİN İNCELENMESİ, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, 2017

Postgraduate, Glikoprotein ayrılması için monolitik sıvı kromatografisi kolonlarının hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2011

### Research Areas

Life Sciences, Biochemistry, Biomolecules, Molecular Biochemistry, Biotechnology, Biomaterial, Biosensor, Environmental Biology, Environmental Pollution, Molecular Biology and Genetics, Genetic Engineering, Genomics, Chemistry, Biochemistry, Amino Acids, Protein Chemistry, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2011 - Continues

- I. **Conducting polymers as a functional recognition interface to design sensors for pathogen and cancer diagnosis**  
Karasu T., ARMUTCU ÇORMAN C., Elkhoury K., ÖZGÜR E., Maziz A., UZUN L.  
TrAC - Trends in Analytical Chemistry, vol.175, 2024 (SCI-Expanded)
- II. **Selective aptasensor for trinitrotoluene detection: Comparison of the detecting performances from liquid and vapor phases**  
ARMUTCU ÇORMAN C., Karasu T., Pişkin S., ÖZGÜR E., UZUN L.  
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.676, 2023 (SCI-Expanded)
- III. **Designing of ZnO nanoparticles oriented interface imprinted electrochemical sensor for fluoxetine detection**  
Emin Çorman M., Cetinkaya A., Armutcu C., UZUN L., ÖZKAN S. A.  
Bioelectrochemistry, vol.152, 2023 (SCI-Expanded)
- IV. **Development of etching paste for serial number restoration on aluminum engine block**  
UYSAL S., Yildiz E., ARMUTCU ÇORMAN C., Yalçın Sarıbey A., UZUN L.  
Journal of Forensic Sciences, vol.68, no.4, pp.1325-1329, 2023 (SCI-Expanded)
- V. **The effects of four different solvent vapours on the restoration of obliterated stamp markings from five different wooden surfaces**  
UYSAL S., Yildiz E., Armutcu C., Sarıbey A. Y., UZUN L.  
Science and Justice, vol.63, no.3, pp.364-368, 2023 (SCI-Expanded)
- VI. **Upconversion nanoparticles as an immunocomplexing agent for selective detection of caspases via sandwich-like supracomplexes**  
Akçapınar R., Armutcu C., UZUN L.  
Colloids and Surfaces B: Biointerfaces, vol.221, 2023 (SCI-Expanded)
- VII. **Highly Selective Benzo[a]Pyrene Detection Even under Competitive Conditions with Molecularly Imprinted Surface Plasmon Resonance Sensor**  
Corman M. E., ARMUTCU ÇORMAN C., Karasu T., ÖZGÜR E., UZUN L.  
POLYCYCLIC AROMATIC COMPOUNDS, vol.43, no.5, pp.3896-3909, 2023 (SCI-Expanded)
- VIII. **A sensitive and selective electrochemical sensor based on molecularly imprinted polymer for the assay of teriflunomide**  
corman M. E., Cetinkaya A., ARMUTCU ÇORMAN C., Atici E. B., UZUN L., ÖZKAN S. A.  
TALANTA, vol.249, 2022 (SCI-Expanded)
- IX. **Electrochemical chiral sensor based on molecularly imprinted polymer for determination of (1S,2S)-pseudoephedrine in dosage forms and biological sample**  
KARADURMUŞ L., ÖZÇELİKAY G., ARMUTCU ÇORMAN C., ÖZKAN S. A.  
MICROCHEMICAL JOURNAL, vol.181, 2022 (SCI-Expanded)
- X. **Molecularly imprinted polymer film based plasmonic sensors for detection of ochratoxin A in dried fig**  
AKGÖNÜLLÜ S., ARMUTCU ÇORMAN C., DENİZLİ A.  
POLYMER BULLETIN, vol.79, no.6, pp.4049-4067, 2022 (SCI-Expanded)
- XI. **An Ultra-Sensitive Molecularly Imprinted Poly(Aniline) Based Electrochemical Sensor for the Determination of Bisphenol A in Synthetic Human Serum Specimen and Plastic Bottled Water Samples**  
Kaya S. I., ÖZÇELİKAY G., ARMUTCU ÇORMAN C., ÖZKAN S. A.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.169, no.1, 2022 (SCI-Expanded)
- XII. **The investigation of parameters affecting Ibrutinib release from chitosan/ tripolyphosphate/carbon nanofiber composite microspheres**  
ARMUTCU ÇORMAN C.  
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1632-1641, 2022 (SCI-Expanded)
- XIII. **A spectroscopic approach for rapid and simple serial number restoration on polyamide 6 parts of firearms: The use of video spectral comparator 8000**  
Uysal S., ARMUTCU ÇORMAN C., Mercan M., UZUN L.

JOURNAL OF FORENSIC SCIENCES, vol.66, no.6, pp.2381-2386, 2021 (SCI-Expanded)

- XIV. **Interface imprinted polymers with well-oriented recognition sites for selective purification of hemoglobin**  
ARMUTCU ÇORMAN C., ÖZGÜR E., ÇORMAN M. E., UZUN L.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.197, 2021 (SCI-Expanded)
- XV. **Purification of Fab and Fc using papain immobilized cryogel bioreactor separator system**  
ARMUTCU ÇORMAN C., ÇORMAN M. E., Bayram E., UZUN L.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1158, 2020 (SCI-Expanded)
- XVI. **Phosphate Anion Imprinted Cryogel Cartridges for Selective Preconcentration of Phosphorylated Amino Acids from Protein Lysate: An Alternative Sorbent for Proteome Analyses**  
ARMUTCU ÇORMAN C., Tartan C., ÖZGÜR E., NEMUTLU E., UZUN L.  
CHEMISTRYSELECT, vol.5, no.38, pp.11730-11736, 2020 (SCI-Expanded)
- XVII. **Histidine-epoxy-activated sepharose beads embedded poly (2-hydroxyethyl methacrylate) cryogels for pseudobiospecific adsorption of human immunoglobulin G**  
Corman M. E., Armutcu C., BERELİ N., Elkak A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.12, pp.915-922, 2017 (SCI-Expanded)
- XVIII. **Rapid, efficient and selective preconcentration of benzo[a]pyrene (BaP) by molecularly imprinted composite cartridge and HPLC**  
ÇORMAN M. E., Armutcu C., UZUN L., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.70, pp.41-53, 2017 (SCI-Expanded)
- XIX. **Reversible and easy post-crosslinking method for developing a surface ion-imprinted hypercrosslinked monolith for specific Cd(II) ion removal from aqueous solutions**  
CORMAN M. E., Armutcu C., UZUN L., Say R., DENİZLİ A.  
RSC ADVANCES, vol.6, no.91, pp.88777-88787, 2016 (SCI-Expanded)
- XX. **Synthesis of L-lysine imprinted cryogels for immunoglobulin G adsorption**  
CULHA S., Armutcu C., UZUN L., ŞENEL S., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.52, pp.315-324, 2015 (SCI-Expanded)
- XXI. **Polyglycidyl methacrylate based immunoaffinity cryogels for insulin adsorption**  
MEMMEDOVA T., Armutcu C., UZUN L., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.52, pp.178-185, 2015 (SCI-Expanded)
- XXII. **Molecularly imprinted cryogel cartridges for the specific filtration and rapid separation of interferon alpha**  
Corman M. E., Armutcu C., Ozkara S., UZUN L., DENİZLİ A.  
RSC ADVANCES, vol.5, no.56, pp.45015-45026, 2015 (SCI-Expanded)
- XXIII. **Self-oriented nanoparticles for site-selective immunoglobulin G recognition via epitope imprinting approach**  
CORMAN M. E., Armutcu C., UZUN L., Say R., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.123, pp.831-837, 2014 (SCI-Expanded)
- XXIV. **Aspartic acid incorporated monolithic columns for affinity glycoprotein purification**  
Armutcu C., BERELİ N., Bayram E., UZUN L., Say R., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.114, pp.67-74, 2014 (SCI-Expanded)
- XXV. **Simultaneous depletion of immunoglobulin G and albumin from human plasma using novel monolithic cryogel columns**  
UZUN L., Armutcu C., Bicen O., Ersoz A., Say R., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.112, pp.1-8, 2013 (SCI-Expanded)
- XXVI. **Antibody Purification from Human Plasma by Metal-Chelated Affinity Membranes**

## Articles Published in Other Journals

- I. **Synthesis and characterization of stimuli-responsive hydrogels: evaluation of external stimuli influence on L929 fibroblast viability**  
Karasu T., Erkok-Biradli F. Z., ozturk-oncel M. o., ARMUTCU ÇORMAN C., UZUN L., GARİPCAN B., Corman M. E.  
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.8, no.5, 2022 (ESCI)

## Books & Book Chapters

- I. **Temel ve Klinik Biyokimyanın İlkeleri**  
YALÇINKAYA A., ÇİÇEK Ç., ARMUTCU ÇORMAN C., ÖZCAN M., ÇAKIR AKTAŞ C., GÖK M.  
Dünya Tıp Kitabevi, Ankara, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Separation and determination of Ochratoxin A in food using affinity monolithic column coupled with two-dimensional HPLC system**  
ARMUTCU ÇORMAN C., ÇORMAN M. E., UZUN L., DENİZLİ A.  
31st EFFoST, Sitges, Spain, 13 - 16 November 2017
- II. **Hemoglobin A1c Ayrılması İçin Monolitik HPLC Kolonlar**  
BAYRAM E., ARMUTCU ÇORMAN C., ÇORMAN M. E., TABAK A., UZUN L., DENİZLİ A.  
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- III. **An automated on-line two-dimensional heart-cutting liquid chromatography for the direct analysis of PAHs in tea and coffee**  
ÇORMAN M. E., ARMUTCU ÇORMAN C., BAYRAM E., UZUN L.  
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- IV. **Hemoglobin A1c Ayrılması İçin Monolitik HPLC Kolonlar**  
BAYRAM E., ARMUTCU ÇORMAN C., ÇORMAN M. E., TABAK A., UZUN L., DENİZLİ A.  
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- V. **Phenylalanine functionalized monolith coupled on-line with two-dimensional HPLC for simultaneous quantitative determination endocrine disruptors.**  
ARMUTCU ÇORMAN C., ÇORMAN M. E., ÖZGÜR E., BAYRAM E., UZUN L.  
AFFINITY 2017, Paris, France, 25 - 29 June 2017
- VI. **L-Phenylalanine incorporated monolithic columns for affinity ochratoxin A determination**  
ÇORMAN M. E., ARMUTCU ÇORMAN C., UZUN L., DENİZLİ A.  
AFFINITY 2017, Paris, France, 25 - 29 June 2017
- VII. **Phenylalanine functionalized monolith coupled on-line with two-dimensional HPLC for simultaneous quantitative determination endocrine disruptors.**  
ARMUTCU ÇORMAN C., ÇORMAN M. E., ÖZGÜR E., BAYRAM E., UZUN L.  
AFFINITY 2017, Paris, France, 25 - 29 June 2017
- VIII. **Mikrokirleticilerin İki-Boyutlu HPLC Sistemiyle Tek Aşamada Tayini**  
ÇORMAN M. E., ARMUTCU ÇORMAN C., BAYRAM E., UZUN L.  
11. Ulusal Afinit Teknikleri Kongresi, Aydın, Turkey, 15 - 17 June 2017
- IX. **Rapid Analysis of Polycyclic Aromatic Hydrocarbons in Aqueous Solutions by Two Dimensional HPLC System Using Monolithic Column**

ÇORMAN M. E., ARMUTCU ÇORMAN C., Bayram E., UZUN L.

6th International IUPAC Conference on Green Chemistry, 4 - 08 September 2016

X. **Molecularly imprinted cryogel cartridges for specific filtration and rapid separation of interferon alpha**

ARMUTCU C., ÇORMAN M. E., ÖZKARA YAVUZ S., UZUN L., DENİZLİ A.

Advanced Materials World Congress 2015, 23 - 26 August 2015

## Supported Projects

ARMUTCU ÇORMAN C., UZUN L., ÇORMAN M. E., Project Supported by Higher Education Institutions, Kriyojel Temelli Biyoreaktörlerin Tasarımı ve Protein Degredasyon Veriminin İncelenmesi, 2018 - 2019

DENİZLİ A., ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, Gıdalardaki Okratoksin Anın Ayırılması ve Tayininde Afinite Monolitik Kolon Bağlı İki Boyutlu HPLC Sisteminin Kullanılması, 2017 - 2017

DENİZLİ A., ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, Endokrin bozucuların eş zamanlı kantitatif tayini için iki boyutlu HPLC ile online bağlanmış Fenilalanin fonksiyonel monolit, 2017 - 2017

DENİZLİ A., ARMUTCU C., Project Supported by Higher Education Institutions, Monolitik kolon kullanarak iki boyutlu HPLC sistemi ile sulu çözeltilerde Polisiklik Aromatik Hidrokarbonların Hızlı Analizi, 2016 - 2016

ARMUTCU ÇORMAN C., TUBITAK Project, Okratoksin A Tayini İçin Monolitik Afinite Kolonlarının Hazırlanması ve İki Boyutlu Hplc Sisteminde Çevrimiçi Analizlerin İncelenmesi, 2014 - 2016

ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, İnterferon Alfa'nın Hızlı Ayırımı ve Spesifik Filtrasyonu için Moleküler Baskılanmış Kriyojel Kartuşlar, 2015 - 2015

## Metrics

Publication: 38

Citation (WoS): 110

Citation (Scopus): 224

H-Index (WoS): 8

H-Index (Scopus): 10