

## Res. Asst. İLKAY KOÇER

### Personal Information

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### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2015 - Continues

Post Graduate, Hacettepe Üniversitesi, Fen Bilimleri, Kimya Mühendisliği, Turkey 2012 - 2015

Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2007 - 2012

### Dissertations

Post Graduate, Farklı yöntemlerle kitosan eldesi ve karakterizasyonu, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2015

### Research Areas

Chemical Engineering and Technology, Biotechnology, Enzyme Engineering , Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2013 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Microfluidic immobilized metal affinity chromatography based on Ti(IV)-decorated silica microspheres for purification of phosphoproteins**  
Yildirim D., Kip C., Tsogtbaatar K., KOÇER İ., Celik E., Tuncel A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1140, 2020 (Journal Indexed in SCI)
- II. **Ni(II)-decorated porous titania microspheres as a stationary phase for column chromatography applications: Highly selective purification of hemoglobin from human blood**  
Kip C., Tosun R. B. , Alpaslan S., KOÇER İ., Celik E., Tuncel A.  
TALANTA, vol.200, pp.100-106, 2019 (Journal Indexed in SCI)
- III. **Computational affinity maturation of camelid single-domain intrabodies against the nonamyloid component of alpha-synuclein**  
Mahajan S. P. , Meksiriporn B., Waraho-Zhmayev D., Weyant K. B. , Kocer İ., Butler D. C. , Messer A., Escobedo F. A. , DeLisa M. P.  
SCIENTIFIC REPORTS, vol.8, 2018 (Journal Indexed in SCI)
- IV. **Protein A and protein A/G coupled magnetic SiO<sub>2</sub> microspheres for affinity purification of immunoglobulin G**  
Salimi K., Usta D. D. , KOÇER İ., Çelik E., Tuncel A.

International Journal of Biological Macromolecules, vol.111, pp.178-185, 2018 (Journal Indexed in SCI)

**V. Highly selective magnetic affinity purification of histidine-tagged proteins by Ni<sup>2+</sup> carrying monodisperse composite microspheres**

SALIMI K., Usta D. D. , KOÇER İ., Çelik E., Tuncel A.

RSC ADVANCES, vol.7, pp.8718-8726, 2017 (Journal Indexed in SCI)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **A New Magnetic silica Based Sorbent for Isolation of Green Fluorescent Protein by Immobilized Metal Affinity Chromatography**  
USTA D. D. , SALİMİ K., KOÇER İ., ÇELİK E., TUNCEL S. A.  
44th International Symposium & Exhibit on High Performance Liquid Phase Separations and Related Techniques (HPLC2016), 19 - 24 June 2016
- II. **Production of Chitin and Chitosan from Crustacean Shells and Aspergillus niger**  
Koçer İ., Yavuz Ersan H.  
NanoBiotech 2015 , Muğla, Turkey, 6 - 12 September 2015, pp.122
- III. **Production and Characterization of the Recombinant Enzyme for Synthesis of Chitosan Biopolymer**  
KOÇER İ., YAVUZ ERSAN H., ÇELİK E.  
International Conference on Chemical and Biochemical Engineering, Paris, France, 20 - 22 July 2015, vol.1, pp.44
- IV. **Mikroorganizmalardan kitosan eldesinde verimin artırılması**  
KOÇER İ., ÇELİK E., YAVUZ ERSAN H.  
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.24-25

## **Supported Projects**

ÇELİK AKDUR E., KOÇER İ., Project Supported by Higher Education Institutions, Selülaz Enzimlerine Bakteriyel Glikozilasyonunun Etkilerinin Araştırılması, 2017 - 2017

## **Citations**

Total Citations (WOS):56

h-index (WOS):4

## **Scholarships**

TÜBİTAK 2214-A Doktora Sırası Yurt Dışı Araştırma Burs Programı, TUBİTAK, 2018 - 2019

2211- A Yurt İçi Doktora Burs Programı , TUBİTAK, 2015 - 2019