

Res. Asst. İLKAY KOÇER KULOĞLU

Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği A.B.D., Turkey 2015 - 2021

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği A.B.D., Turkey 2012 - 2015

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2007 - 2012

Dissertations

Postgraduate, 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. **Effects of variable domain orientation on anti-HER2 single-chain variable fragment antibody expressed in the Escherichia coli cytoplasm**
KOÇER KULOĞLU İ., Cox E. C. , DeLisa M. P. , ÇELİK AKDUR E.
BIOTECHNOLOGY PROGRESS, 2020 (Journal Indexed in SCI)
- II. **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)
- III. **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)
- IV. **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)

V. Protein A and protein A/G coupled magnetic SiO₂ 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)

VI. Highly selective magnetic affinity purification of histidine-tagged proteins by Ni²⁺ carrying monodisperse composite microspheres

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

RSC ADVANCES, vol.7, no.14, 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