

Personal Information

Email: elif.cerrahoglu@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/elif.cerrahoglu>

International Researcher IDs

ORCID: 0000-0003-1295-6643

Yoksis Researcher ID: 147449

Education Information

Doctorate, Kocaeli University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2014 - Continues

Postgraduate, Sakarya University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2012 - 2014

Undergraduate Double Major, Kocaeli University, Fen-Edebiyat Fakültesi, Biyoloji, Turkey 2007 - 2011

Undergraduate, Sakarya University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, EFLATUN ÇİÇEKLİ BALLIBABA (LAMİUM PURPUREUM) BİTKİSİNDEN POLİFENOL OKSİDAZ ENZİMİNİN KARAKTERİZASYON VE İMMOBİLİZASYONUNUN İNCELENMESİ, Sakarya Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014

Academic Titles / Tasks

Research Assistant, Kocaeli University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preparation and characterization of a novel functionalized agricultural waste-based adsorbent for Cu²⁺ removal: Evaluation of adsorption performance using response surface methodology**
CERRAHOĞLU KAÇAKGİL E., Cetintas S.
SUSTAINABLE CHEMISTRY AND PHARMACY, vol.22, 2021 (SCI-Expanded)
- II. **Optimising the influence of novel citric acid-assisted mechanochemical modification of corncob on Cu²⁺, Pb²⁺ and Zn²⁺ removal**
Cerrahoğlu Kaçakgil E., Bingöl D.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.101, no.8, pp.1158-1182, 2021 (SCI-Expanded)
- III. **Performance assessment and statistical modeling of modification and adsorptive properties of a lignocellulosic waste modified using reagent assisted mechanochemical process as a low-cost and**

high-performance method

Kacakgil E. C., BİNGÖL D.

SUSTAINABLE CHEMISTRY AND PHARMACY, vol.15, 2020 (SCI-Expanded)

- IV. **Multivariate optimization for removal of some heavy metals using novel inorganic-organic hybrid and calcined materials**
Cerrahoglu E., Kayan A., Bingöl D.
SEPARATION SCIENCE AND TECHNOLOGY, vol.53, pp.2563-2572, 2018 (SCI-Expanded)
- V. **New Inorganic-Organic Hybrid Materials and Their Oxides for Removal of Heavy Metal Ions: Response Surface Methodology Approach**
Cerrahoglu E., Kayan A., Bingöl D.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.27, pp.427-435, 2017 (SCI-Expanded)
- VI. **A new Schiff base: Synthesis, characterization and optimization of metal ions-binding properties**
Bilgin A., Cetintas S., Cerrahoglu E., Yıldız U., Bingöl D.
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, pp.2138-2144, 2016 (SCI-Expanded)
- VII. **1,3,5-triazine-triethylenetetramine polymer: an efficient adsorbent for removal of Cr(VI) ions from aqueous solution**
SİVRİKAYA S., CERRAHOĞLU KAÇAKGİL E., İMAMOĞLU M., ARSLAN M.
TOXICOLOGICAL AND ENVIRONMENTAL CHEMISTRY, vol.95, pp.899-908, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Eflatun çiçekli ballıbabı lamium purpureum polifenol oksidaz enziminin karakterizasyonu ve inhibisyonu**
CERRAHOĞLU E., ARABACI G.
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.245, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Optimization of mechanochemical modification process of a lignocellulosic biomass waste for adsorption applications**
Cerrahoğlu Kaçakgil E., Bingöl D.
6th International Conference and Exhibition on Materials Science and Chemistry, Rome, Italy, 17 - 18 May 2018
- II. **Multivariate Optimization for Removal of Cu(II) and Pb(II) from Aqueous Solutions Using Synthesized Hybrid and Calcined Materials**
Cerrahoğlu Kaçakgil E., Kayan A., Bingöl D.
8th Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 9 - 11 May 2018
- III. **Comparative Study of Regression and Different Multivariate Optimization Models for Cu(II) Ions Adsorption onto Date Palm (Phoenix dactylifera L.) Seeds**
ÇETİNTAŞ S., CERRAHOĞLU E., ELEVLİ S., BİNGÖL D.
International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2017, pp.28
- IV. **Comparative Study of Regression and Different Multivariate Optimization Models for Cu(II) Ions Adsorption onto Date Palm (Phoenix dactylifera L.) Seeds**
ÇETİNTAŞ S., CERRAHOĞLU E., ELEVLİ S., BİNGÖL D.
ICONTEs, 26 October - 29 December 2017
- V. **OPTIMIZATION OF METHYLENE BLUE REMOVAL ON A NEW HYBRID MATERIAL BY BOX BEHNKEN DESIGN**
CERRAHOĞLU E., KAYAN A., BİNGÖL D.
INTERNATIONAL CONFERENCE: 10th AEGEAN ANALYTICAL CHEMISTRY DAYS, 29 September - 02 October 2016

- VI. **NOVEL INORGANIC ORGANIC HYBRID ADSORBENT FOR REMOVAL OF SOME HEAVY METAL ION**
CERRAHOĞLU E., KAYAN A., BİNGÖL D.
3rd INTERNATIONAL CONFERENCE on NEW TRENDS on CHEMOMETRICS and APPLICATIONS, 25 - 28 May 2016
- VII. **NaOSiMe₃ BAĞLANMIŞ YENİ BİR ORGANİK İNORGANİK HİBRİT MATERYALİN METAL ADSORPSİYON ÖZELLİKLERİNİN YANIT YÜZEY METODU YAKLAŞIMI İLE İNCELENMESİ**
CERRAHOĞLU E., KAYAN A., BİNGÖL D.
IV. ESER ANALİZ KONGRESİ, Turkey, 19 - 22 May 2016

Metrics

Publication: 15
Citation (WoS): 56
Citation (Scopus): 58
H-Index (WoS): 5
H-Index (Scopus): 5

Congress and Symposium Activities

Multivariate Optimization for Removal of Cu(II) and Pb(II) from Aqueous Solutions using Synthesized Hybrid and Calcined Materials, Attendee, İstanbul, Turkey, 2018
Optimization of Mechanochemical Modification Process of a Lignocellulosic Biowaste for Adsorption Applications, Attendee, Rome, Italy, 2018
COMPARATIVE STUDY OF REGRESSION AND DIFFERENT MULTIVARIATE OPTIMIZATION MODELS FOR Cu(II) IONS ADSORPTION ONTO DATE PALM (PHOENIX DACTYLIFERA L.) SEEDS, Attendee, Turkey, 2017
OPTIMIZATION OF METHYLENE BLUE REMOVAL ON A NEW HYBRID MATERIAL BY BOX-BEHNKEN DESIGN, Attendee, Çanakkale, Turkey, 2016
NOVEL INORGANIC-ORGANIC HYBRID ADSORBENT FOR REMOVAL OF SOME HEAVY METAL IONS, Attendee, Antalya, Turkey, 2016
NaOSiMe₃ BAĞLANMIŞ YENİ BİR ORGANİK-İNORGANİK HİBRİT MATERYALİN METAL ADSORPSİYON ÖZELLİKLERİNİN YANIT YÜZEY METODU YAKLAŞIMI İLE İNCELENMESİ, Attendee, Sakarya, Turkey, 2016
YENİ BİR SCHİFF-BAZI SENTEZİ, KARAKTERİZASYONU ve Cu²⁺ İYON BAĞLAMA ÖZELLİKLERİNİN İNCELENMESİNE YANIT YÜZEY METODU YAKLAŞIMI, Attendee, Tokat, Turkey, 2014