

## Prof. Sevgi KOCAOBA

### Personal Information

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### International Researcher IDs

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### Foreign Languages

English, B2 Upper Intermediate

Italian, B1 Intermediate

### Dissertations

Doctorate, İyon Değişiricilerin Kinetiğinin İncelenmesi , Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya/ Analitik Kimya, 1999

Postgraduate, Cu<sup>2+</sup> Seçici Likit Membran Elektrot, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya/ Analitik Kimya, 1991

### Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Atomic and Molecular Spectroscopy, Separation Methods, Natural Sciences

### Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2021 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2012 - 2021

Assistant Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2003 - 2012

### Courses

Analitik Kimya, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

Analitik Kimya, Undergraduate, 2019 - 2020

Ekstraksiyon ve İyon Değişiricilerle Ayırma, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Çevre Kimyası ve Teknolojisi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Atomik Spektroskopisi, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015,

2013 - 2014, 2012 - 2013, 2011 - 2012

Türlendirme, Postgraduate, 2020 - 2021, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Analitik K mya Lab.2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Su Kimyası, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Çevre ve Ekoloji, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Genel Kimya, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2005 - 2006, 2003 - 2004, 2002 - 2003

## Advising Theses

Kocaoba S., Tiyotropyum brom r ieren inhaler kaps llerde imp rite G ve H ilgili bileşikler tayini iin LC-MS/MS ve LC-Q/TOF ile yeni bir metodun geliřtirilmesi ve doėrulanması, Postgraduate, S.ERKOL(Student), 2023

Kocaoba S., Bazı aėır metallerin uzaklařtırılmasında organokillerin kullanımı, Postgraduate, G.SAĐ(Student), 2023

Kocaoba S., Bazı organik bileşiklerin metal baėlanma  zelliklerine etki eden parametrelerin incelenmesi, Postgraduate, C.DEMİRKAPI(Student), 2023

Kocaoba S., Dimerkaptotriazin baėlı silika jel ile Pd(II) iyonlarının sulu  zeltilerden katı faz ekstraksiyonu, Postgraduate, P.TOKG Z(Student), 2023

Kocaoba S., Oral  zelti hazırlamak iin toz karıřım ierisindeki glukoz ilgili bileşikler tayini iin kırılma indisi dedekt r  y ntemi ile yeni bir HPLC metodunun geliřtirilmesi ve doėrulanması, Postgraduate, H.ERGEN(Student), 2023

Kocaoba S., Terbinafin Hidroklor r ieren Krem Formundaki İlaların Franz Dif zyon H cre Sistemi Kullanılarak Sentetik Membranlardan Geirgenliėinin Karřılařtırılması, Postgraduate, E.AKKAYA(Student), 2023

Kocaoba S., Cangrelor Tetrasodyum Etkeni ieren Farmas tik İla  r n nde Kullanılan Primer Ambalaj Malzemesinden Sızan Maddelerin Keřfedilmesi ve İla İmp ritesi  zerindeki Etkisi, Postgraduate, M. ZT RK(Student), 2023

KOCAOBA S., Katı Faz ekstraksiyonundan sonra Co(II),Mn(II),Cr(III)ve Zn(II)aėır metallerin AAS ile tayini, Postgraduate, G.elen(Student), 2015

KOCAOBA S., Doėal Adsorbanlar Kullanarak Atıksulardaki Kirliliklerinin Uzaklařtırması, Postgraduate, Z.Aslan(Student), 2015

KOCAOBA S., Marmara B lgesinde satılan ıspanak, marul ve maydanozun metal ieriėinin analizi, Postgraduate, M.Zor(Student), 2013

KOCAOBA S., Atıksulardan boyar maddelerin adsorpsiyon y ntemi ile giderimi, Postgraduate, A.Seluk(Student), 2012

KOCAOBA S., Modifiye killer  zerine boya adsorpsiyonunun incelenmesi, Postgraduate,  . zcan(Student), 2012

KOCAOBA S., Klorlu organik bileşiklerle kirlenmiř yer altı sularının sıfır deėerlikli demir ieren geirgen reaktif bariyerlerle arıtılması, Postgraduate, S.Elibol(Student), 2011

Kocaoba S., Bazı Organik Kirliliklerin Y zey Aktif Madde Modifiye Edilmiř Killerle Uzaklařtırılması, Postgraduate, B.Turan(Student), 2009

KOCAOBA S., Modifiye edilmiř killerle aėır metallerin uzaklařtırılması, Postgraduate, M.Duman(Student), 2009

## Designed Lessons

Kocaoba S., T rlendirme, Postgraduate, 2004 - 2005

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

1. Simultaneous quantification of tiotropium bromide impurities G + H in capsule formulation by LC-MS/MS

Erkol S., Güleli M., Çalışkan C., KOCAOBA S.

European Journal of Mass Spectrometry, vol.30, no.1, pp.76-83, 2024 (SCI-Expanded)

- II. **Comparative Spectrophotometric and Chromatographic Assessment of Antioxidant Capacity in Different Marine Algae**  
YALÇIN S., Karakaş Ö., OKUDAN E. Ş., KOCAOBA S., APAK M. R.  
Journal of Aquatic Food Product Technology, vol.32, no.1, pp.81-94, 2023 (SCI-Expanded)
- III. **Chromium removal from tannery wastewaters with a strong cation exchange resin and species analysis of chromium by MINEQL**  
KOCAOBA S., ÇETİN G., AKÇİN G.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- IV. **Determination of some heavy metals from aqueous solutions using modified Amberlite XAD-4 resin by selective solid-phase extraction**  
KOCAOBA S.  
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, vol.13, no.1, 2022 (SCI-Expanded)
- V. **The use of Phanerochaete chrysosporium for modification of bentonite for preconcentration and determination of heavy metals**  
KOCAOBA S., Parlak M. D., ARISOY M.  
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, vol.12, no.1, 2021 (SCI-Expanded)
- VI. **Surface complexation modelling of chromium(III) ion exchange by a strong cation exchange resin**  
Kocaoba S., Çetin G., Akçin G.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2020 (SCI-Expanded)
- VII. **Adsorption of Fe(II) and Fe(III) from aqueous solution by using sepiolite: speciation studies with MINEQL+ computer program**  
Kocaoba S.  
Separation Science And Technology, vol.55, no.5, pp.896-906, 2020 (SCI-Expanded)
- VIII. **CONTINUOUS SOME METALS REMOVAL FROM AQUEOUS SOLUTIONS BY BIOMASS IN PACKED-BED COLUMN**  
Kocaoba S., Arisoy M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.2, pp.813-817, 2019 (SCI-Expanded)
- IX. **Biosorption of cadmium(II) and lead(II) from aqueous solutions using Pleurotus ostreatus immobilized on bentonite**  
Kocaoba S., Arisoy M.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.53, pp.1703-1710, 2018 (SCI-Expanded)
- X. **Enrichment of Chromium(III) from Tannery Sludge in the Presence of Calcium**  
ÇETİN G., KOCAOBA S., AKCİN G.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.12, pp.6851-6855, 2013 (SCI-Expanded)
- XI. **Removal and Recovery of Chromium from Solutions Simulating Tannery Wastewater by Strong Acid Cation Exchanger**  
Çetin G., Kocaoba S., Akcin G.  
JOURNAL OF CHEMISTRY, 2013 (SCI-Expanded)
- XII. **CATION EXCHANGE EQUILIBRIA WITH CHROMIUM (III) SPECIES BY STRONG ACID ION EXCHANGERS**  
Çetin G., Kocaoba S., Hoell W. H., Akçin G.  
SOLVENT EXTRACTION AND ION EXCHANGE, vol.30, pp.88-100, 2012 (SCI-Expanded)
- XIII. **The use of a white rot fungi (Pleurotus ostreatus) immobilized on Amberlite XAD-4 as a new biosorbent in trace metal determination**  
Kocaoba S., Arisoy M.  
BIORESOURCETECHNOLOGY, vol.102, no.17, pp.8035-8039, 2011 (SCI-Expanded)
- XIV. **Adsorption of Cd(II), Cr(III) and Mn(II) on Natural Sepiolite**  
KOCAOBA S.  
Desalination, vol.244, pp.24-30, 2009 (SCI-Expanded)
- XV. **A kinetic investigation of removal of chromium from aqueous solutions with a strong cation**

**exchange resin**

Kocaoba S., Akçin G.

MONATSHFTE FÜR CHEMIE, vol.139, no.8, pp.873-879, 2008 (SCI-Expanded)

- XVI. **Adsorption of nickel(II) and cobalt(II) ions and application of surface complex formation model to ion exchange equilibria**  
Kocaoba S.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.25, no.5, pp.697-702, 2008 (SCI-Expanded)
- XVII. **Glossary of terms related to solubility (IUPAC recommendations 2008) A Review**  
Gamsjaeger H., Lorimer J., Scharlin P., Shaw D., Lobinski R., Powell K., Fajgeli A., Labuda J., Lund W., Kocaoba S.  
Pure And Applied Chemistry, vol.80, no.2, pp.233-276, 2008 (SCI-Expanded)
- XVIII. **POTENTIOMETRIC TITRATION OF SOME DIAMINO COMPOUNDS IN TOLUENE**  
Kocaoba S., Aydoğan F., Afşar H.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.27, no.4, pp.263-271, 2008 (SCI-Expanded)
- XIX. **Non aqueous titrations: Potentiometric titration of some primary amines**  
Kocaoba S., Aydoğan F., Afşar H.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.27, no.2, pp.123-130, 2008 (SCI-Expanded)
- XX. **Comparison of Amberlite IR 120 and dolomite's performances for removal of heavy metals**  
Kocaoba S.  
JOURNAL OF HAZARDOUS MATERIALS, vol.147, pp.488-496, 2007 (SCI-Expanded)
- XXI. **Kinetics and equilibrium studies of heavy metal ions removal by use of natural zeolite**  
Kocaoba S., Orhan Y., Akyüz T.  
DESALINATION, vol.214, pp.1-10, 2007 (SCI-Expanded)
- XXII. **Adsorption of toxic metals by natural and modified clinoptilolite**  
Orhan Y., KOCAOBA S.  
Annali di Chimica, vol.97, no.8, pp.781-790, 2007 (SCI-Expanded)
- XXIII. **Potentiometric titration of P-anisidine and P-toluidine in non-aqueous media**  
Kocaoba S., Aydoğan F., Afşar H.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.25, no.4, pp.285-293, 2006 (SCI-Expanded)
- XXIV. **Effects of conditioning of sepiolite prior to cobalt and nickel removal**  
Kocaoba S., Akyüz T.  
DESALINATION, vol.181, pp.313-318, 2005 (SCI-Expanded)
- XXV. **Removal of chromium (III) and cadmium (II) from aqueous solutions**  
KOCAOBA S., Akcin G.  
DESALINATION, vol.180, pp.151-156, 2005 (SCI-Expanded)
- XXVI. **Removal of Chromium and Cadmium from Wastewaters**  
Kocaoba S., Akçin G.  
Desalination, vol.180, pp.151-156, 2005 (SCI-Expanded)
- XXVII. **Chromium(III) removal from wastewaters by a weakly acidic resin containing carboxylic groups**  
Kocaoba S., Akçin G.  
ADSORPTION SCIENCE & TECHNOLOGY, vol.22, no.5, pp.401-410, 2004 (SCI-Expanded)
- XXVIII. **A kinetic investigation of chromium**  
Kocaoba S., Akçin G.  
ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY, vol.9, no.2, pp.143-151, 2003 (SCI-Expanded)
- XXIX. **Behaviour of cadmium(II) ions on cation-exchange resins**  
Kocaoba S.  
ADSORPTION SCIENCE & TECHNOLOGY, vol.21, no.9, pp.831-840, 2003 (SCI-Expanded)
- XXX. **Removal and recovery of chromium and chromium speciation with MINTEQA2**  
Kocaoba S., Akçin G.  
TALANTA, vol.57, no.1, pp.23-30, 2002 (SCI-Expanded)
- XXXI. **Determination of Some Sulpha Drugs with a Cu<sup>2+</sup>-Selective Electrode**

## Articles Published in Other Journals

- I. **Determination of metal contents in some green leafy vegetables in Marmara region of Turkey**  
Zor M., KOCAOBA S.  
SN Applied Sciences, vol.5, no.6, 2023 (ESCI)
- II. **Comparison of Extractable and Leachable Studies of Different Stoppers Materials used in lyophilized Drug Product**  
Öztürk M., Gün G., Toprak C., Güleli M., Dandan E., Çalışkan C., Babuç E., Kocaoba S.  
World Journal of Pharmaceutical Research, vol.12, no.1, pp.23-33, 2023 (Scopus)
- III. **Non-aqueous titrations: Solvent effect on potentiometric titrations of some amines**  
Aydoğan F., KOCAOBA S., Afşar H.  
Ovidius University Annals of Chemistry, vol.18, pp.5-8, 2007 (ESCI)
- IV. **Determination of Optimum Conditions of a Strong Cationic Ion Exchange Resin for Removal of Cadmium (II)**  
Kocaoba S., Akçin G.  
Journal of Yildiz Technical University, vol.4, pp.10-16, 2000 (Peer-Reviewed Journal)
- V. **Two Methods for Determination of Nickel in Fats**  
KOCAOBA S.  
International Journal of Chemistry, vol.10, pp.73-75, 2000 (Peer-Reviewed Journal)
- VI. **Determination of Chromium (III) in Food**  
Eratik B., Kocaoba S., Akçin G.  
Journal of Yildiz Technical University, vol.3, pp.64-71, 1999 (Peer-Reviewed Journal)
- VII. **Some Analytical Applications of Cu<sup>2+</sup>-Selective Liquid Membrane Electrode**  
Kocaoba S., Kunt G.  
J. of Pham. Univ. Marmara, vol.8, no.1, pp.1-5, 1992 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Besinlerle alınan ağır metaller ve canlılar üzerine etkisi**  
Kocaoba S.  
in: Türkiye Klinikleri Beslenme ve Diyetetik - Özel Konular 2018, Akgül H., Editor, Digital Akademi, Ankara, pp.25-37, 2018
- II. **Adsorption characteristics of Cobalt (II) and Nickel (II) onto Diatomite and Amberlite 252 ZU resin from aqueous solutions**  
Kocaoba S.  
in: Water Treatment Technologies for the Removal of High-Toxicity Pollutants, Miroslava Václavíková, Ksenija Vitale, Georgios P. Gallios, Lucia Ivaničová, Editor, Springer, London/Berlin, Amsterdam, pp.211-217, 2010
- III. **A Potentiometric Investigation of Primary Amines in Non-aqueous Media**  
Aydoğan F., Kocaoba S., Afşar H.  
in: Innovations in Chemical Biology, Bilge Şener, Editor, Springer, London/Berlin, Basel, pp.327-330, 2009
- IV. **Determination of Optimum Conditions of a Weak Carboxylic Ion Exchange Resin for Removal and Recovery of Chromium (III)**  
Kocaoba S., Akçin G.  
in: Advances in Ion Exchange for Industry and Research, Peter W. Williams, Editor, The Royal Society, London, pp.330-335, 1999

## Refereed Congress / Symposium Publications in Proceedings

- I. **An Investigation About Removal of Some Heavy Metals from Aqueous Solutions Using Activated Bentonite**  
Şahin A., Kocaoba S.  
12nd Aegean Analytical Chemistry Days (AACD23), İstanbul, Turkey, 19 - 22 October 2023, pp.181
- II. **Production and Characterization of Clove Oil-Added Polyvinyl Alcohol/ Chitosan-Based Antibacterial Nanofibers by Electrospinning Method**  
Eloğlu A., Kocaoba S.  
12nd Aegean Analytical Chemistry Days (AACD23) , İstanbul, Turkey, 19 - 22 October 2023, pp.312
- III. **The Effects of Fuzzification on Some Features Used in Adsorption on the Mathematical Model Success Criterion**  
Kanbay F., Kocaoba S.  
15th Algebraic Hyperstructures and its Applications (AHA2023) 28-30 July, 2023, İstanbul-Türkiye, İstanbul, Turkey, 28 - 30 July 2023, pp.61
- IV. **Fusidik Asit İçeren Pomad Farmasötik Preparatlarda HPLC İle Miktar Tayini**  
Tüptaş C., Kocaoba S.  
3rd International Graduate Studies Congress, İstanbul, Turkey, 14 - 17 June 2023, pp.927-928
- V. **Development and Characterization of a Non-Allergenic Fragrance Compatible with Sensitive Skin for Cosmetic Applications**  
Durmuş E., Kocaoba S.  
3rd International Graduate Studies Congress, İstanbul, Turkey, 14 - 17 June 2023, pp.1027
- VI. **"Terbinafinhidroklorür içeren krem formundaki ilaçların fransız difüzyon hücre sistemi kullanılarak sentetik membranlardan geçirgenliğinin karşılaştırılması"**  
Maltepe E., Kocaoba S.  
Uluslararası Marmara Fen Bilimleri Kongresi (IMASCON 2022), Kocaeli, Turkey, 9 - 10 December 2022, pp.25
- VII. **Bazı ağır metallerin uzaklaştırılmasında organokillerin kullanımı**  
Sağ G., Arvas B., Yolaçan Ç., Kocaoba S.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.157
- VIII. **Bazı organik bileşiklerin metal bağlanma özelliklerine etki eden parametrelerin incelenmesi**  
Demirkapı C., Arvas B., Yolaçan Ç., Kocaoba S.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.158
- IX. **Biyokütle destekli katı faz ekstraksiyonu ile ağır metal gideriminin incelenmesi**  
Baranak E., Arısoy Gökdeniz M., Kocaoba S.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.159
- X. **"Oral çözelti hazırlamak için toz karışım içerisindeki glukoz ilgili bileşikler tayini için kırılma indisi dedektörü yöntemi ile yeni bir HPLC metodunun geliştirilmesi ve doğrulanması"**  
Ergen H., Kocaoba S.  
33. Ulusal Kimya Kongresi , İstanbul, Turkey, 7 - 09 October 2021, pp.1
- XI. **"Tiyotropiyum Bromür içeren inhaler kapsüllerde impürite g ve h ilgili bileşikler tayini için LC- /MS/MS ve LC-Q/TOF yöntemi ile yeni bir metodun geliştirilmesi ve doğrulanması"**  
Erkol S., Kocaoba S.  
33. Ulusal Kimya Kongresi, İstanbul, Turkey, 7 - 09 October 2021, pp.1
- XII. **Adsorption and Preconcentration of Palladium from Aqueous Solutions onto DMT-Functionalized Silica Gel**  
Aras Tokgöz P., Kocaoba S., İmamoğlu M.  
Uluslararası Marmara Fen Bilimleri Kongresi (IMASCON 2019), Kocaeli, Turkey, 1 - 03 November 2019, pp.1
- XIII. **Fotokimyasal Olarak Hazırlanan Metal Nanoparçacıklarla Bazı Ağır Metallerin Uzaklaştırılması**  
Öztürk M., Kırtay H., Arsu N., Kocaoba S.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, no.1, pp.342-343
- XIV. **ADSORPTIVE REMOVAL OF Pb(II) AND Cd(II) FROM AQUEOUS SOLUTIONS BY USING MODIFIED**

## **AMBERLITE XAD-4 RESIN**

Kocaoba S.

627th International Conference on Chemical and Environmental Science, Habana, Cuba, 20 - 24 July 2019, pp.1-5

- XV. **Biosorption of some heavy metals from aqueous solutions” 6th International Congress on Fundamental and Applied Sciences**  
Kocaoba S., Arısoy M.  
Biosorption of some heavy metals from aqueous solutions” 6th International Congress on Fundamental and Applied Sciences , Tirane, Albania, 18 - 20 June 2019, pp.1-14
- XVI. **Adsorption of Heavy Metals onto Some Metal-Nanoparticles that Prepared by Photochemically**  
Cansu H. M., Arsu N., Kocaoba S.  
1. Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, İstanbul, Turkey, 15 November 2018, pp.1
- XVII. **Equilibrium and Thermodynamic Studies of Adsorption of Cr(III) and Mn(II) from Aqueous Solutions onto Natural Adsorbents**  
KOCAOBA S.  
1. Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, İstanbul, Turkey, 15 November 2018, pp.1
- XVIII. **Application of Metal-Nanoparticles that Prepared by Photochemically for Removal of Heavy Metals**  
Ekinci L., Arsu N., Kocaoba S.  
2nd International Water Congress, Afyonkarahisar, Turkey, 29 October 2018, pp.1
- XIX. **Sulu Çözeltilerden Bazı Ağır Metallerin Adsorpsiyonu için Denge ve Termodinamik Çalışmalar**  
KOCAOBA S.  
5.Ulusal Çevre Kongresi, Afyon, Turkey, 29 October 2018, pp.1
- XX. **Adsorptive Removal of Some Dyes from Aqueous Solutions by Modified Sepiolite**  
KOCAOBA S., Sülkü A. S.  
MESAEP (19th International Symposium on Environmental Pollution and It's Impact on Life in the Mediterranean Region), Roma, Italy, 03 October 2017, pp.1
- XXI. **Continuous Some Metals Removal from Aqueous Solutions by Biomass in Packed-bed Column**  
KOCAOBA S., Arısoy M.  
MESAEP (19th International Symposium on Environmental Pollution and It's Impact on Life in the Mediterranean Region), Roma, Italy, 03 October 2017, pp.1
- XXII. **Çevresel Sulardan Bazı Ağır Metallerin Uzaklaştırılma Koşullarının İncelenmesi**  
KOCAOBA S., Aslan Z.  
4. Ulusal Çevre Kongresi, Afyon, Turkey, 18 October 2017, pp.11
- XXIII. **Use of Phanerochaete chrysosporium Immobilized on Bentonite as a Solid-Phase Extractor for Cu(II) and Cd(II) Preconcentration and Determination by Atomic Absorption Spectrometry**  
KOCAOBA S., Arısoy M.  
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 May 2016, pp.1
- XXIV. **Doğal ve Modifiye Adsorbanlar Kullanarak Su Örneklerinden Ağır Metal Uzaklaştırılması**  
Kocaoba S., Aslan Z.  
2. Ulusal Çevre Kongresi, Afyon, Turkey, 22 October 2015, pp.10
- XXV. **Adsorptive Removal of Fe(II) and Fe(III) from Aqueous Solution by Sepiolite**  
KOCAOBA S.  
8th Singapore International Chemical Conference, Singapur, Singapore, 13 December 2014, pp.1
- XXVI. **Removal of Some Heavy Metals from Aqueous Solutions by Modified Clays**  
KOCAOBA S., Çelen G., Aslan Z.  
8th Singapore International Chemical Conference, Singapur, Singapore, 13 December 2014, pp.1
- XXVII. **Trace Determination of Some Heavy Metals by Solid Phase Extraction and Atomic Absorption Spectrophotometry**  
KOCAOBA S., Aslan Z., Çelen G.  
EAS Eastern Analytical Symposium & Exposition, New Jersey, United States Of America, 16 November 2014, pp.1
- XXVIII. **Headspace single-drop microextraction for the detection of Jasmine flowers**  
Kocaoba S., Erdoğan Ö.

- Eastern Analytical Symposium & Exposition, New-Jersey, United States Of America, 18 November 2013, pp.1
- XXIX. **Determination of Aflatoxins in Dried Fig, Dried Apricot and Red Pepper in Turkey**  
Özcan Ö., Kocaoba S.  
2013 Eastern Analytical Symposium & Exposition, New-Jersey, United States Of America, 18 November 2013, pp.1
- XXX. **Analysis of Metal Contents in Spinach, Lettuce and Parsley Marketed in Marmara Region**  
Zor M., Kocaoba S.  
6th Black Sea Basin Conference on Analytical Chemistry , Trabzon, Turkey, 10 September 2013, pp.1
- XXXI. **Equilibrium and Thermodynamic Data for Adsorption of Malachite Green, Sirius Blue and Congo Red onto Bentonite**  
Sülkü A. S., Kocaoba S.  
6th Black Sea Basin Conference on Analytical Chemistry , Trabzon, Turkey, 10 September 2013, pp.1
- XXXII. **Removal of some dyes from aqueous media by adsorption**  
Kocaoba S., Sülkü A. S.  
ICOEST 2013, Nevşehir, Turkey, 18 June 2013, pp.1
- XXXIII. **Determination of cadmium(II) and lead(II) in aqueous solutions after preconcentration by means of white-rot Fungi (Pleurotus ostreatus) immobilized on Bentonite**  
Arisoy M., Kocaoba S.  
13th European Congress on Biotechnology - Symbiosis, Barcelona, Spain, 17 September 2007, pp.1
- XXXIV. **Removal of Cd(II) and Co(II) ions from aqueous solutions with strongly acidic cation exchange resin**  
Kocaoba S., Kalpaklı Y., Salt İ.  
5 th Aegean Analytical Chemistry Days, Greece, Thessaloniki, Greece, 5 - 08 October 2006, pp.86
- XXXV. **Investigation of adsorption process for Cd(II) and Co(II) ions from aqueous solutions by using bentonite**  
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- XLI. **Nitrate Removal from Potable Water by Ion-Exchange**  
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- XLIV. **Equilibrium Studies of Cd(II), Cr(III) and Mn(II) on Natural Sepiolite and Application of Surface**



## **Complexation Theory**

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IUPAC

- XLV. **Removal of Chromium and Cadmium from Wastewaters with a Strong Cation Exchange Resin**  
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- XLVI. **Determination of Optimum Conditions of a Weak Carboxylic Ion Exchange Resin for Removal and Recovery of Chromium (III)**  
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- XLVII. **Zeolit ve Modifiye Bentonite ile Ağır Metallerin Uzaklaştırma Koşullarının İncelenmesi**  
Aslan Z., KOCAOBA S.  
VII. Ulusal Analitik Kimya Kongresi
- XLVIII. **The Use of Phanerochaete Chrysosporium Immobilized on Amberlite Xad 16 as a New Biosorbent in Copper(II) And Cadmium(II) Determination**  
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- L. **Equilibrium and Regeneration Kinetic of Chromium in Aqua Media**  
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- LII. **A potentiometric investigation of primer amines in non-aqueous media**  
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- LIII. **Comparison of Two Cationic Resins Performances for Removal and Recovery of Chromium (III)**  
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- LIV. **Sulu Çözeltilerden Sepiolitle Kobalt Uzaklaştırılması**  
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18. Ulusal Kimya Kongresi
- LV. **Katyonik Reçinelerle Denge Değişiminin İncelenmesi**  
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17. Ulusal Spektroskopi Kongresi
- LVI. **Application of Amberlite XAD-4 loaded with white rot fungi (Pleurotus ostreatus) for the separation and preconcentration of chromium (III), copper (II) and cadmium (II)™**  
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- LVII. **Adsorption of Cr(III) and Mn(II) from aqueous solutions onto bentonite and chitosan**  
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- LIX. **Kil ile Modifiye edilmiş Karbon Pasta Elektrodunun Cu(II) Tayininde Kullanılması**

- KOCAOBA S., Çinku K., Levent E.  
22. Ulusal Kimya Kongresi
- LX. **Removal of Heavy Metal**  
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- LXI. **Development of clay modified electrode for voltammetric determination of trace amounts of lead**  
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- LXII. **Titration of Weak Bases in Inert Solvents**  
KOCAOBA S., Aydođan F.  
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- LXIII. **Modifiye Edilmiş Sepiyolit ile Fenol ve 4-klorofenol Uzaklařtırma Kořullarının Arařtırılması**  
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- LXIV. **Removal of Chromium(III) from Wastewater by Ion-Exchange Process**  
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- LXV. **Electrochemical Determination of Trace Amounts of Mercury Using Clay Modified Electrode**  
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15th International Symposium on Environmental Pollution (MASAEP)
- LXVI. **Removal of Phenol and 4-Chlorophenol by Surfactant- Modified Clay**  
Aydođan F., KOCAOBA S., Hisarlı G.  
6th Aegean Analytical Chemistry Days
- LXVII. **An Application of Surface Complex Formation Model to Exchange Equilibria on Some Ion Exchange Resins**  
KOCAOBA S., Hoel W.  
Winter Asian-Pasific Plasma Spectrochemistry Conference
- LXVIII. **Primer Aminlerin Susuz Ortamda Potansiyometrik Tayini**  
KOCAOBA S., Aydođan F., Afřar H.  
20. Ulusal Kimya Kongresi
- LXIX. **Sulu Çözeltilerden Cr(III) ve Mn(II) Uzaklařtırılması için Diatomit ve Amberlite IR 120' nin Performanslarının Karřılařtırılması**  
KOCAOBA S., Akyüz T.  
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- LXX. **Susuz Ortam Titrasyonları: Bazı Sekonder Aminlerin Potansiyometrik Tayini**  
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- LXXI. **Biosorption of Cadmium(II) and Lead(II) on White-Rot Fungi (Phanerocheata Chrysosporium) Immobilized Bentonite**  
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- LXXII. **Environmental Pollution Control in Marmara Sea**  
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Eco-Imagine, Coastal Governance, Planning, Design & GI
- LXXIII. **Potentiometric investigation of some amines in non aqueous media**  
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- LXXIV. **Modifiye Edilmiş Bentonit ile Boyar Madde Uzaklařtırma Kořullarının İncelenmesi**  
Aydođan F., KOCAOBA S.  
V. Ulusal Analitik Kimya Kongresi
- LXXV. **Yüzey Kompleks Oluřum Modelinin İyon Deđiřtiricilerin İyon Deđiřtirme Dengesine Uygulamaları**

- KOCAOBA S., Hoel W.  
V. Uluslararası Kimyasal Fizik Kongresi
- LXXVI. **Investigation of Optimum Conditions for a Strong Cationic Resin and Chromium Speciation**  
KOCAOBA S., Akçin G.  
CSI XXXI Pre-Symposium Spectroscopic Methods for Speciation of Elements
- LXXVII. **A Batch Study for a Weak Cation Exchange Resin and Speciation of Chromium**  
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- LXXVIII. **Biosorption of Chromium(III) and Cadmium(II) using Amberlite XAD-4 Loaded White Rot Fungi**  
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- LXXIX. **Removal and recovery of chromium from tannery sludges**  
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- LXXX. **Heavy Metal Adsorption by Clinoptilolite from Aqueous Solutions**  
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Proc. Eco-Imagine, Coastal Governance, Planning, Design & GI
- LXXXI. **Removal of Nitrate from Water**  
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- LXXXII. **İyon Değiştiricilerle Ağır Metal Uzaklaştırılması ve Geri Kazanılması**  
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- LXXXIII. **Potentiometric titration of some diamino compounds with hydrochloric acid in toluene solvent**  
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- LXXXIV. **Chromium(III) Separation from Wastewaters by Carboxylic Ion-Exchange Resins**  
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- LXXXV. **Kromun Deri Atık Suyundan Amberjet Reçinesi ile Uzaklaştırılması ve Geri Kazanılması**  
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- XC. **Adsorptive Removal of Indigo Carmine from Aqueous Solutions**  
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- XCII. **Nadir Toprak Elementlerinden Neodmiyumun Montmorillonit Tarafından Soğurulmasının**

## **İncelenmesi**

Akyüz S., KOCAOBA S.

18. Ulusal Kimya Kongresi

### **XCIII. Voltammetric determination of trace amounts of cadmium using clay modified electrode**

KOCAOBA S., Çinku K., Levent E.

59th Annual Meeting of the International Society of Electrochemistry

### **XCIV. Recovery of Chromium from Tannery Wastewaters**

Çetin G., KOCAOBA S., Hoell W.

Ion Exchange Technology for Today and Tomorrow

### **XCV. Chromium Removal from Aqueous Solutions by Different Ion Exchange Resins**

KOCAOBA S., Akçin G.

2nd Black Sea Basin Conference on Analytical Chemistry

### **XCVI. Investigation of Removal Conditions of Some Heavy Metals by Ion Exchange**

KOCAOBA S., Hoel W.

International Workshop on Frontiers and Interfaces of Ion Exchange

### **XCVII. Cation Exchange Separation of Chromium (III) in Tannery Wastewaters**

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4th Aegean Analytical Chemistry Days

## **Other Publications**

### **I. İyon Değişirici Reçinelerin Kinetiğinin İncelenmesi**

KOCAOBA S.

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## **Supported Projects**

KOCAOBA S., ARSU N., AYDIN M., Kırtay H., Öztürk M., Project Supported by Higher Education Institutions, Çözeltilerde ve polimer matrikste insitu fotokimyasal işleme hazırlanan metal nano parçacıkların bazı ağır metallerin adsorpsiyonunun incelenmesi, 2018 - 2021

KOCAOBA S., Project Supported by Higher Education Institutions, Doğal adsorbanlar kullanarak atıksulardaki kirliliklerin uzaklaştırılması, 2014 - 2015

KOCAOBA S., Project Supported by Higher Education Institutions, Katı faz ekstraksiyonundan sonra Co(II), Mn(II), Cr(III) ve Zn(II) ağır metallerinin AAS ile tayini, 2014 - 2015

KOCAOBA S., TUBITAK Project, Kil ile Modifiye Edilmiş Elektrot Kullanılarak Atık Sulardaki Bazı Anorganik Kirliliklerin Tayin Edilmesi, 2007 - 2010

KOCAOBA S., Project Supported by Higher Education Institutions, Bazı organik kirliliklerin yüzey aktif madde modifiye edilmiş killerle uzaklaştırılması, 2007 - 2009

KOCAOBA S., Project Supported by Higher Education Institutions, Susuz ortam titrasyonları ile bazı zayıf asit ve bazların tayini, 2004 - 2007

KOCAOBA S., TUBITAK Project, Kromun deri fabrikası atıksularından uzaklaştırılması ve geri kazanılması, 2005 - 2006

KOCAOBA S., TUBITAK Project, Deri Fabrikası Atıksularından Krom Uzaklaştırılması ve Geri Kazanılması, 2002 - 2005

KOCAOBA S., Other International Funding Programs, İyon Değişirici Kinetiğinin İncelenmesi ve Ağır Metal Tayini, 1998 - 2000

## **Memberships / Tasks in Scientific Organizations**

IUPAC, Member, 2006 - Continues

## Scientific Refereeing

JOURNAL OF CLEANER PRODUCTION, SCI Journal, January 2021  
ENVIRONMENTAL ENGINEERING SCIENCE, SCI Journal, November 2020  
Project Supported by Other Official Institutions, Konya Technical University, Turkey, July 2020  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI Journal, April 2020  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, April 2020  
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SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, July 2019  
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Journal of Hazardous Materials, SCI Journal, June 2006

## Tasks In Event Organizations

Kocaoba S., 3rd Conference of the Arabian Journal of Geosciences, Scientific Congress, Tunisia, Kasım 2020  
Kocaoba S., 1. Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, Scientific Congress, Turkey, Kasım 2018  
Kocaoba S., 4. Ulusal Çevre Kongresi, Scientific Congress, Afyon, Turkey, Ekim 2017  
Kocaoba S., 1. Ulusal Kimya Öğrenci Kongresi, Scientific Congress, Turkey, Nisan 2010  
Kocaoba S., 2nd Black Sea Basin Conference on Analytical Chemistry, Scientific Congress, Turkey, Eylül 2003  
Kocaoba S., Workshop on 1st Marmara Analytical Chemistry Days, Workshop Organization, Turkey, Eylül 2003

## Metrics

Publication: 140  
Citation (WoS): 589  
Citation (Scopus): 695

H-Index (WoS): 10

H-Index (Scopus): 11

## **Scholarships**

DAAD Arařtırma Bursu, Other International Organizations, 2005 - 2005

DFG Arařtırma Bursu, Other International Organizations, 2000 - 2001

DAAD Arařtırma Bursu, Other International Organizations, 2000 - 2000

## **Awards**

Kocaoba S., YTÜ-Science Citation Index-Expanded kapsamındaki dergilerde 2007-2008 yılları arasında en çok yayın yapan Yardımcı doçentler arasında 2.lık ödülü, Yıldız Teknik Üniversitesi, February 2008