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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAX-1785-2021

ScopusID: 55425781700

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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2007 - 2012

Postgraduate, Anadolu University, EĞİTİM BİLİMLERİ ENSTİTÜSÜ, İLKÖĞRETİM ANABİLİM DALI, Turkey 2002 - 2004

Postgraduate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (YI) (Tezli), Turkey 1995 - 1998

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1989 - 1994

Certificates, Courses and Trainings

Personal Evolution, Scopus A-Z Training Series, Elsevier Researcher Academy, 2023

Dissertations

Doctorate, Modifiye S.albus kullanılarak sulu çözeltilerden reaktif kırmızı 45 (RK45) boyarmaddesinin giderimi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2012

Postgraduate, Alumina-amorf silika karışımlarının reaksiyon sinterlemesi ile müllit üretimi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (YI) (Tezli), 1998

Research Areas

Analytical Chemistry

Academic Titles / Tasks

Assistant Professor, Anadolu University, EĞİTİM FAKÜLTESİ, TEMEL EĞİTİM BÖLÜMÜ, 2016 - Continues

Lecturer PhD, Anadolu University, EĞİTİM FAKÜLTESİ, MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ, 2012 - 2016

Lecturer, Anadolu University, EĞİTİM FAKÜLTESİ, MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ, 2005 - 2012

Courses

ÖĞRETMENLİK UYGULAMASI II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

TEMEL FEN BİLİMLERİ, Undergraduate, 2023 - 2024, 2022 - 2023

FEN BİLİMLERİ LAB. UYGULAMALARI, Undergraduate, 2023 - 2024, 2022 - 2023

ÖĞRETMENLİK UYGULAMASI I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

BİLİM TARİHİ VE FELSEFESİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2021 - 2022, 2020 - 2021

İLKOKULDA TEMEL FEN BİLİMLERİ , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

FEN VE TEKN. LAB. UYG. II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

OKUL DENEYİMİ, Undergraduate, 2022 - 2023, 2015 - 2016, 2014 - 2015, 2013 - 2014

FEN VE TEKN. LAB. UYG. I, Undergraduate, 2021 - 2022, 2020 - 2021

GENEL KİMYA, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

BİLİM TARİHİ VE FELSEFESİ, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

BİLİM TARİHİ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

BİLİM TARİHİ B, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİLİM TARİHİ A, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

FEN VE TEKN. LAB. UYG. I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİLİM TARİHİ C, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Advising Theses

Kara İ., Akar S., Metakaolen bazlı jeopolimer ile atküsülardan boyarmadde gideriminin deney tasarımı yöntemi ile incelenmesi, Postgraduate, A.YILMAZ(Student), 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Use of geopolymers as tunable and sustained silver ion release mediums**
Kara İ.
SCIENTIFIC REPORTS, vol.14, no.8606, pp.1-11, 2024 (SCI-Expanded)
- II. **Parametric optimization of Cu(II) removal process by a metakaolin-based geopolymer: Batch and continuous process design**
AKAR S., Colo H., SAYIN F., KARA İ., AKAR T.
JOURNAL OF CLEANER PRODUCTION, vol.366, 2022 (SCI-Expanded)
- III. **Design and modeling of the decolorization characteristics of a regenerable and eco-friendly geopolymer: Batch and dynamic flow mode treatment aspects**
AKAR S., Koc E., SAYIN F., KARA İ., AKAR T.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.298, 2021 (SCI-Expanded)
- IV. **Study on the performance of metakaolin based geopolymer for Mn(II) and Co(II) removal**
KARA İ., Tunc D., SAYIN F., AKAR S.
APPLIED CLAY SCIENCE, vol.161, pp.184-193, 2018 (SCI-Expanded)
- V. **Metakaolin based geopolymer as an effective adsorbent for adsorption of zinc(II) and nickel(II) ions from aqueous solutions**
KARA İ., Yilmazer D., AKAR S.

APPLIED CLAY SCIENCE, vol.139, pp.54-63, 2017 (SCI-Expanded)

VI. **Dithiocarbamated *Symphoricarpus albus* as a potential biosorbent for a reactive dye**

Kara İ., Akar S., Akar T., Ozcan A.

CHEMICAL ENGINEERING JOURNAL, vol.211, pp.442-452, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **Obtaining High Temperature Stable Sepiolite via Optimization of Acid Treatment Conditions**

Kara İ.

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.27, no.6, pp.1220-1231, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

I. **2. Ünite : Maddenin Doğası**

KARA İ.

in: Okulöncesinde Fen Eğitimi, ÖZDAŞ, AYNUR, Editor, Anadolu Üniversitesi Açıköğretim Fakültesi Yayını, Eskişehir, pp.25-48, 2011

Refereed Congress / Symposium Publications in Proceedings

I. **Zinc Ion Exchanged Geopolymer Derived from Sodium Geopolymer and Comparison of Their Thermal Behavior**

Kara İ.

14th International Conference on Ceramic Materials and Components for Energy and Environmental Systems, Budapest, Hungary, 18 - 22 August 2024

II. **Modifiye Jeopolimerin Sulu Çözeltilerden Boyarmadde Giderim Performansının Deney Tasarımı ile Değerlendirilmesi**

Yılmaz A., AKAR S., KARA İ.

4th International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 20 - 21 November 2023

III. **Alüminosilikat Organik Bileşiklere İyon Değiştirme Yoluyla Gümüş Katkılandırılması**

AYDEMİR B., KARA İ., KARA F.

26. Elektron Mikroskopi Kongresi EMK26, Eskişehir, Turkey, 20 September 2023

IV. **A Novel Sustainable Material for Decorative and Technical Surface Effects for Tiles**

Kara F., Kara İ.

XVII WORLD CONGRESS ON CERAMIC TILE QUALITY, Castello, Spain, 20 - 21 June 2022

V. **Effect of geopolymer composition on the removal efficiency of Nile Blue A**

KARA İ.

First International Geopolymeric Composites Congress, Turkey, 29 - 30 December 2021, vol.1, pp.145-149

VI. **Porselen Karolar İçin Alternatif Kaymazlık Sırı Geliştirilmesi**

Candar D., Kılıç S., Ubay E., Kayalı M. B., Candoğan O. C., Kara İ.

V. Uluslararası Seramik, Cam, Emaye, Sır ve Boya Kongresi (SERES'21), Eskişehir, Turkey, 13 - 15 October 2021

VII. **Effect of Acid Treatment On The Structural Stability of Sepiolite**

Kara İ.

2. International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019

VIII. **Silver doped geopolymer and its dissolution behaviour**

Kara İ.

XVI. ECERS Conference, Turin, Italy, 16 - 20 June 2019

IX. **Reaktif boya gideriminde potansiyel bir biyosorban olarak DDTC ile modifiye edilmiş**

Symphoricarpus albus'ün kullanılması

KARA İ., AKAR S., AKAR T., ÖZCAN A.

30. Ulusal Kimya Kongresi, Cyprus (Kktc), 5 - 08 November 2018

X. Metakaolin Based Geopolymer As an Alternative Adsorbent for The Adsorption of Copper (II) Ions from Aqueous Solutions

YENER H., KARA İ., AKAR S.

1st International Symposium on Light Alloys and Composite Materials (ISLAC'18, Karabük, Turkey, 22 - 24 March 2018

XI. Metakaolin based geopolymer as an effective adsorbent for adsorption of zinc(II) and nickel(II) ions from aqueous solutions

KARA İ., YILMAZER D., AKAR S.

41st International Conference and Exposition on Advanced Ceramics and Composites, United States Of America, 23 - 27 January 2017

XII. Geopolymers as Adsorbent for Heavy Metal Removal From Wastewater

KARA İ., DİLEK Y., AKAR S.

40th International Conference and Exposition on Advanced Ceramics and Composites, ICACC 2016, United States Of America, 24 - 29 January 2016

Supported Projects

Akar T., Kara F., Akar S., Sayın F., Çelik S., Kara İ., TUBITAK Project, Jeopolimer Yapıya Fungal Hücrelerin İmmobilizasyonu ile Yeni Tip Sorban Materyallerin Sentezi, Karakterizasyonu, Ağır Metal Giderim Özellikleri ve Uygulamaya Aktarımı, 2023 - 2025

Kara İ., Project Supported by Other Private Institutions, Yenilikçi Jeopolimer Esaslı üst surlarda renk kararlılığının sağlanması, 2022 - 2023

Kara İ., Project Supported by Other Private Institutions, Antibakteriyel Seramik Yüzey Eldesi İçin Gümüş Katkılı Jeopolimer Tozu Geliştirilmesi, 2020 - 2022

Kara İ., Project Supported by Other Private Institutions, Kaymaz Seramik Yüzeyler İçin Dijital Baskı Mürekkep Hammaddesi ve Mürekkebi Geliştirilmesi, 2019 - 2020

KARA İ., Project Supported by Higher Education Institutions, Gümüş Katkılı Jeopolimer Malzemelerin Geliştirilmesi, 2018 - 2019

KARA İ., Project Supported by Higher Education Institutions, Atık sulardan ağır metallerin uzaklaştırılmasında adsorban olarak jeopolimer kullanımının araştırılması, 2015 - 2017

KARA İ., Project Supported by Higher Education Institutions, Jeopolimer esaslı adsorbant malzemelerin geliştirilmesi, 2014 - 2015

Scientific Refereeing

PHILIPPINE JOURNAL OF SCIENCE, Other Indexed Journal, January 2021

Anadolu Journal of Educational Sciences International , National Scientific Refreed Journal, June 2019

AFRICAN JOURNAL OF PURE AND APPLIED CHEMISTRY, Other Indexed Journal, May 2018

APPLIED CLAY SCIENCE AN INTERNATIONAL JOURNAL ON THE APPLICATION AND TECHNOLOGY OF CLAYS AND CLAY MINERALS, SCI Journal, April 2017

APPLIED CLAY SCIENCE AN INTERNATIONAL JOURNAL ON THE APPLICATION AND TECHNOLOGY OF CLAYS AND CLAY MINERALS, SCI Journal, March 2017