

Prof. Fatih SEVİM

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, Turkey 1991 - 1996

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, Turkey 1989 - 1991

Undergraduate, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1985 - 1989

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Mazıdağı Fosfat Cevherinin Sülfürik Asitde Çözündürülmesi, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 1996

Postgraduate, Manyezitin Flash Kalsinasyonu ve Kalsine Ürünün Sulu Ortamda CO₂ ile Liçingi, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 1991

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2015 - Continues

Associate Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2010 - 2015

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 1996 - 2010

Research Assistant, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 1993 - 1996

Academic and Administrative Experience

Fakülte Akademik Kurul Üyesi, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2016 - 2021

Fakülte Kurulu Üyesi, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2016 - 2021

Vice Dean, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2016 - 2021

Courses

İşletmede Mesleki Eğitim, Undergraduate, 2023 - 2024

Kimyasal Reaksiyon Mühendisliği I, Undergraduate, 2023 - 2024

İleri Reaksiyon Mühendisliği, Doctorate, 2021 - 2022

Profesyonel Gelişim , Undergraduate, 2021 - 2022

Kim. Müh. Seçmeli Tasarım II, Undergraduate, 2020 - 2021

İş sağlığı ve Güvenliği II, Undergraduate, 2020 - 2021

Bitirme Projesi 2, Undergraduate, 2020 - 2021

İş Sağlığı ve Güvenliği II, Undergraduate, 2020 - 2021

Bitirme Projesi 1, Undergraduate, 2021 - 2022

Profesyonel Gelişim , Undergraduate, 2020 - 2021

İleri Reaksiyon Mühendisliği, Doctorate, 2019 - 2020

Advising Theses

Sevim F., Production of Fe₃O₄@SiO₂@APTES Supported Horseradish Peroxidase (HRP) Enzyme Catalyst and Determination of The Oxidative Polymerization Synthesis Activities of Hydroxytyrosol, Postgraduate, G.AKTAŞ(Student), 2024

Sevim F., Özakın A. N., THERMODYNAMIC ANALYSIS OF PHOTOVOLTAIC ASSISTED HEAT PUMP UNIT, Postgraduate, A.ZENGİN(Student), 2023

Sevim F., Ucuz bir adsorbent üzerine reaktif mavi-160 adsorpsiyonunun incelenmesi, Postgraduate, Ö.FARUK(Student), 2021

Sevim F., Alkid reçine üretim prosesinin iş sağlığı ve güvenliği açısından incelenmesi, Postgraduate, S.Aydın(Student), 2018

SEVİM F., VLS tekniği ile bakır oksit (CuO) nanotellerin üretimi ve karakterizasyonu, Postgraduate, E.Aktürk(Student), 2017

SEVİM F., Erzurum-Oltu havzasından temin edilen kırmızı kil üzerine malahit yeşili adsorpsiyonun incelenmesi, Postgraduate, E.Fatih(Student), 2017

SEVİM F., Elektrospinning yöntemi ile alümina destekli nikel borosilikat nanoliflerin üretimi, Postgraduate, E.Sevimli(Student), 2011

SEVİM F., Asidik ortamda Cr₂O₇²⁻'in FeSO₄ çözeltisinde indirgenme kinetiğinin incelenmesi, Postgraduate, D.Demir(Student), 2006

SEVİM F., Tinkal'in Termalgravimetrik Analizinin İncelenmesi, Postgraduate, H.Şenol(Student), 2006

SEVİM F., Kalsine manyezitin sulu ortamda CO₂ ile çözündürülmesine ultrases enerjisinin etkisi, Postgraduate, A.Mesci(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

I. Artificial Neural Network Approach for Modeling of Effect of Ultrasound on the Dissolution of Magnesia in Aqueous Carbon Dioxide

SEVİM F., ATALAY A.

ACS OMEGA, vol.8, no.48, pp.45277-45287, 2023 (SCI-Expanded)

II. Zinc leaching from smithsonite ore in lactic acid solution: Studies on parametric optimization, kinetic

and mechanism

İlhan S. Ş., Demir F., Laçın Ö., Sevim F.

BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA, vol.37, no.3, pp.735-744, 2023 (SCI-Expanded)

- III. **Adsorption capacity, isotherm, kinetic, and thermodynamic studies on adsorption behavior of malachite green onto natural red clay**
Sevim F., Laçın Ö., Ediz E. F., Demir F.
Environmental Progress and Sustainable Energy, vol.40, no.1, 2021 (SCI-Expanded)
- IV. **Preparation and characterization of nanofibres of $2ZnO \cdot 3B_2O_3 \cdot 5H_2O$ ceramic composite using sol-gel processing**
SEVİM F., Kara A., Aksakal O., DEMİR F., Eroglu H.
Asian Journal of Chemistry, vol.27, no.8, pp.3083-3085, 2015 (SCI-Expanded)
- V. **Precipitation Conditions of Chevrel's Salt Using $(NH_4)_2SO_3$ from Synthetic Aqueous $CuSO_4$ Solutions**
ÇALBAN T., Kaynarca B., SEVİM F., EROĞLU H.
ASIAN JOURNAL OF CHEMISTRY, vol.26, no.18, pp.6111-6117, 2014 (SCI-Expanded)
- VI. **Dehydration Kinetics of Tincalconite from Thermogravimetric Data**
SEVİM F., HİLAL K., Demir F., HAYRETTİN E., AKTAN M.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.36, no.2, pp.227-231, 2014 (SCI-Expanded)
- VII. **Structure Investigations of $NiO/Al_2O_3/B_2O_3/SiO_2$ Composite Based on PVA Using Sol-Gel Processing and the Electrospinning Technique**
SEVİM F., Sevimli E.
ASIAN JOURNAL OF CHEMISTRY, vol.26, no.8, pp.2293-2295, 2014 (SCI-Expanded)
- VIII. **Recipitation conditions of Chevrel s salt using $NH_4_2SO_3$ from synthetic aqueous $CuSO_4$ solutions**
Çalban T., Kaynarca B., Sevim F., Eroglu H.
Asian Journal Of Chemistry, vol.26, no.18, pp.6111-6117, 2014 (SCI-Expanded)
- IX. **Investigation of reduction kinetics of $Cr_2O_7^{2-}$ in $FeSO_4$ solution**
SEVİM F., DEMİR D.
Chemical Engineering Journal, 2008 (SCI-Expanded)
- X. **Investigation of dissolution kinetics of natural marble in citric acid solutions**
SEVİM F.
CANADIAN METALLURGICAL QUARTERLY, vol.46, no.4, pp.359-363, 2007 (SCI-Expanded)
- XI. **Kinetic analysis of thermal decomposition of boric acid from thermogravimetric data**
SEVİM F., Demir F., BİLEN M., OKUR H.
Korean Journal Of Chemical Engineering, 2006 (SCI-Expanded)
- XII. **Dissolution of Magnesia in Aqueous Carbon Dioxide by ultrasound**
SEVİM F., A KADİR M.
International Journal Of Mineral Processing, 2005 (SCI-Expanded)
- XIII. **Dissolution kinetics of phosphate ore in H_2SO_4 solutions**
SEVİM F., SARAÇ H., Kocakerim M., Yartasi A.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.42, no.10, pp.2052-2057, 2003 (SCI-Expanded)
- XIV. **Calcination kinetic of magnesite from thermogravimetric data**
Demir F., Dönmez B., Okur H., Sevim F.
Chemical Engineering Research and Design, vol.81, no.6, pp.618-622, 2003 (SCI-Expanded)
- XV. **Study on recovery of gold from decopperized anode slime**
DÖNMEZ B., SEVİM F., Çolak S.
Chemical Engineering and Technology, vol.24, no.1, pp.91-95, 2001 (SCI-Expanded)
- XVI. **Kinetic study of the cementation of copper from sulphate solutions onto a rotating aluminum disc**
DÖNMEZ B., SEVİM F., SARAÇ H.
Hydrometallurgy, vol.53, no.2, pp.145-154, 1999 (SCI-Expanded)
- XVII. **Flash calcination of a magnesite ore in a free-fall reactor and leaching of magnesia**
ERSAHAN H., EKMEKYAPAR A., SEVİM F.

Articles Published in Other Journals

- I. **Adsorption Characteristics and Behaviors of Natural Red Clay for Removal of BY28 from Aqueous Solutions**
Laçın Ö., Haghghatnia A., Demir F., Sevim F.
International Journal of Trend in Scientific Research and Development, vol.3, pp.1037-1047, 2019 (Peer-Reviewed Journal)
- II. **The investigation of precepitions of chevreur s salt**
Çalban T., Sevim F., Laçın O.
Chemical and Molecular Engineering, vol.10, pp.940-943, 2016 (Peer-Reviewed Journal)
- III. **Effect of the experimental conditions on the adsorption capacities in the removal of pb2 from aqueous solutions by the hydroxyapatite nanopowders**
Laçın O., Çalban T., Sevim F., Çelik T.
Chemical and Molecular Engineering, vol.10, pp.982-985, 2016 (Peer-Reviewed Journal)
- IV. **The Effect of the Distance between Needle Top Collector on Production of Nickel Borate Nano Fiber by using Sol Gel Method**
Sevim F.
International Journal of Science and Engineering Investigations, vol.4, pp.96-98, 2015 (Peer-Reviewed Journal)
- V. **Novel Production and Characterization of Nano Fibers of Nickel Alumina Borosilicate Ceramic Composite**
Sevim F.
International Journal of Science and Engineering Investigations, vol.4, pp.16-19, 2015 (Peer-Reviewed Journal)
- VI. **Synthesis and Characterizations of 2ZnO 3B2O3 5H2O Ceramic Compozite using the Sol gel Procession and the Eletrospinning Techniques**
Sevim F., Kara A., Oğuz A., Demir F., Eroğlu H.
Applied Mecanics and Materials, vol.1, no.10, pp.20-26, 2015 (Peer-Reviewed Journal)
- VII. **The Effect of Parameters on Productions ofNiO Al2O3 B2O3 SiO2 Composite Nanofibers byUsing Sol Gel Processing and ElectrospinningTechnique**
SEVİM F., ESMA S., DEMİR F., ÇALBAN T.
World Academy of Science, Engineering and TechnologyInternational Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, vol.9, no.4, pp.611-614, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Natural Red Clay as a New Adsorbent to Remove Malachite Green from Aqueous Solutions: (Part II)Studies on Equilibrium Isotherm, Kinetics and Thermodynamics**
SEVİM F., LAÇIN Ö., EDİZ E. F., DEMİR F.
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- II. **Natural Red Clay as a New Adsorbent to Remove Malachite Green from Aqueous Solutions: (Part I)Studies on Adsorption Capacity**
SEVİM F., LAÇIN Ö., EDİZ E. F., DEMİR F.
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- III. **Effect of Temperature on Growth of CuO Nanowires by Thermal Oxidation Method**
AKTÜRK ÖNBALABAN E., TUZLUCA F. N., YEŞİLBAĞ Y. Ö., SEVİM F., ERTUĞRUL M.
13th Nanoscience and Nanotechnology Conference (NANOTR-13), Antalya, Turkey, 22 - 25 October 2017, vol.13, pp.408
- IV. **The investigation of precipitation conditions chevreur s salt**

ÇALBAN T., SEVİM F., LAÇİN O.

WASET, 30 - 31 August 2016

V. **Effect of the Experimental Conditions on the Adsorption Capacities in the Removal of Pb²⁺ from Aqueous solutions by the Hydroxyapatite Nanopowders**

LAÇİN Ö., ÇALBAN T., SEVİM F., ÇELİK T.

WASET, 30 - 31 August 2016

VI. **Mühendislik Fakültelerinde Kimya Öğretiminin Değerlendirilmesi**

CEYHUN İ., SEVİM F., KARAGÖLGE Z., SARAÇ H.

XI. Eğitim Bilimleri Kongresi, Yakın Doğu Üni., Lefkoşa/KKTC., Lefkoşa, Cyprus (Kktc), 23 - 26 October 2002

Supported Projects

SEVİM F., AKTAŞ G., Project Supported by Higher Education Institutions, Fe₃O₄@SiO₂@APTES DESTEKLİ HORSERADISH PEROKSİDAZ (HRP) ENZİM KATALİZÖRÜNÜN ÜRETİMİ VE HİDROKSİTİROZOLÜN OKSİDATİF POLİMERİZASYON SENTEZ AKTİVİTELERİNİN BELİRLENMESİ, 2022 - 2024

Metrics

Publication: 30

Citation (WoS): 369

Citation (Scopus): 374

H-Index (WoS): 9

H-Index (Scopus): 9