

Assoc. Prof. SELÇUK DEMİR

Personal Information

Email: selcuk.demir@erdogan.edu.tr

Web: <https://scholar.google.com.tr/citations?user=0XaMSzsAAAAJ&hl=tr>

Address: Recep Tayyip Erdoğan Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Rize

International Researcher IDs

ORCID: 0000-0002-5719-7145

Yoksis Researcher ID: 40714

Education Information

Doctorate, Ondokuz Mayıs University, Fen-Bilimleri Enstitüsü, Kimya, Turkey 2001 - 2005

Postgraduate, Ondokuz Mayıs University, Fen-Bilimleri Enstitüsü, Kimya, Turkey 1999 - 2001

Undergraduate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Kimya, Turkey 1995 - 1999

Dissertations

Doctorate, Bazı Organik Amonyum Fosfatlar ve Çinko-Organik Amonyum Fosfatların Sentezi ve Özellikleri, Ondokuz Mayıs University, Fen-Bilimleri Enstitüsü, Kimya, 2005

Postgraduate, 1,10-Fenantrolin ve Etilendiamin İçeren Karışık Liganth Bazı Geçiş Metal-Süksinato Komplekslerinin Sentezi, Spektroskopik, Termik ve Yapısal Özelliklerinin İncelenmesi, Ondokuz Mayıs University, Fen-Bilimleri Enstitüsü, Kimya, 2001

Research Areas

Chemistry, Inorganic Chemistry, Inorganic Polymers, Coordination Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2012 - Continues

Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2012

Research Assistant, Ondokuz Mayıs University, Fen-Bilimleri Enstitüsü, Kimya, 1999 - 2001

Courses

Uzmanlık Alan Dersi I, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020

Bilimsel Araştırma Teknikleri Ve Yayın Etiği, Postgraduate, 2022 - 2023, 2020 - 2021

Industrial Chemistry, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Genel Kimya Laboratuvarı-I, Undergraduate, 2022 - 2023, 2021 - 2022

Endüstriyel Kimya Laboratuvarı, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Seminer, Postgraduate, 2020 - 2021

Metal -Organik Kafes Yapılar, Postgraduate, 2020 - 2021

Anorganik Kimya Laboratuvarı II, Undergraduate, 2020 - 2021
X- Işını Kırınım Yöntemleri ve Uygulamaları, Postgraduate, 2020 - 2021
Kimya Tarihi, Postgraduate, 2020 - 2021
Malzeme Kimyası, Undergraduate, 2020 - 2021, 2019 - 2020
Dönem Projesi, Undergraduate, 2020 - 2021

Advising Theses

Demir S., Piridin-2,5-dikarboksilat Anyonu İçeren Zirkonyum Metal-Organik Kafes Yapıların Sentezi, Karakterizasyonu ve Bazı Uygulamaları, Postgraduate, G.KIZTANIR(Student), 2024
Demir S., Metallendirilmiş metal-organik kafes yapıların sentezi karakterizasyonu ve vanilin üretiminde kullanılması, Postgraduate, Ş.CAM(Student), 2019
Demir S., Bazı yeni bakır esaslı metal-organik kafes yapıların sentezi ve karakterizasyonu, Postgraduate, M.ÇEPNİ(Student), 2018
Demir S., Synthesis, Characterization and Investigation of Gas Adsorption Properties of Bipyridine Lewis Base Containing Zirconium Metal-Organic Frameworks, Postgraduate, N.Bilgin(Student), 2017
Demir S., Bazı yeni metal-organik kafes yapıların sentez, karakterizasyon ve kataliz uygulamaları, Postgraduate, S.USTA(Student), 2016
Demir S., Bazı geçiş metal-karboksilat polimerlerinin sentezi, spektroskopik, termik ve yapısal özellikleri, Postgraduate, G.KAYA(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A zirconium metal-organic framework functionalized with a S/N containing carboxylic acid (MOF-808(Zr)-Tz) as an efficient sorbent for the ultrafast and selective dispersive solid phase micro extraction of chromium, silver, and rhodium in water samples**
TOKALIOĞLU Ş., Moghaddam S. T. H., DEMİR S.
Talanta, vol.274, 2024 (SCI-Expanded)
- II. **Enhancing Label-Free Biosensing With Cryogenic Temperature-Induced Plasmonic Structures**
Nevruzoglu V., TOMAKİN M., Manir M., Demir S., Beris F., Cetin A.
PLASMONICS, vol.18, no.6, pp.2437-2445, 2023 (SCI-Expanded)
- III. **Enhanced water stability and high CO₂ storage capacity of a Lewis basic sites-containing zirconium metal-organic framework**
Demir S., Bilgin N., Cepni H. M., Furukawa H., Yılmaz F., Altintas C., Keskin S.
DALTON TRANSACTIONS, vol.50, no.45, pp.16587-16592, 2021 (SCI-Expanded)
- IV. **Determination of color additive tartrazine (E 102) in food samples after dispersive solid phase extraction with a zirconium-based metal-organic framework (UiO-66(Zr)-(COOH)(2))**
OYMAK T., TOKALIOĞLU Ş., Cam S., Demir S.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.37, no.5, pp.731-741, 2020 (SCI-Expanded)
- V. **Designing bipyridine-functionalized zirconium metal-organic frameworks as a platform for clean energy and other emerging applications**
TU T. N., NGUYEN M. V., NGUYEN H. L., YULIARTO B., CORDOVA K. E., Demir S.
COORDINATION CHEMISTRY REVIEWS, vol.364, pp.33-50, 2018 (SCI-Expanded)
- VI. **Zirconium-based highly porous metal-organic framework (MOF-545) as an efficient adsorbent for vortex assisted-solid phase extraction of lead from cereal, beverage and water samples**
TOKALIOĞLU Ş., Yavuz E., Demir S., PATAT Ş.
FOOD CHEMISTRY, vol.237, pp.707-715, 2017 (SCI-Expanded)
- VII. **Solvent free utilization and selective coupling of epichlorohydrin with carbon dioxide over**

zirconium metal-organic frameworks

Demir S., USTA S., Tamar H., Ulusoy M.

MICROPOROUS AND MESOPOROUS MATERIALS, vol.244, pp.251-257, 2017 (SCI-Expanded)

- VIII. **Copper(II) complexes with pyridine-2,6-dicarboxylic acid from the oxidation of copper(I) iodide**
Demir S., CEPNI H. M., HOLYNSKA M., KAVANOZ M., YILMAZ F., ZORLU Y.
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.19, pp.3422-3433, 2017 (SCI-Expanded)
- IX. **Metal-organic frameworks based on copper(I) iodide and pyridine-3,5-dicarboxylic acid: Synthesis, crystal structures and luminescent properties**
Demir S., CEPNI H. M., BILGIN N., HOLYNSKA M., YILMAZ F.
POLYHEDRON, vol.115, pp.236-241, 2016 (SCI-Expanded)
- X. **A tetranuclear copper (II) complex with pyrazole-3,5-dicarboxylate ligands: synthesis, characterization and electrochemical properties**
Demir S., CEPNI H. M., HOLYNSKA M., KAVANOZ M.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.71, no.4, pp.305-310, 2016 (SCI-Expanded)
- XI. **Improving the stability of solar cells using metal-organic frameworks**
NEVRUZOGLU V., DEMİR S., KARACA G., TOMAKIN M., BILGIN N., YILMAZ F.
JOURNAL OF MATERIALS CHEMISTRY A, vol.4, no.20, pp.7930-7935, 2016 (SCI-Expanded)
- XII. **A phytochemical-containing metal-organic framework: Synthesis, characterization and molecular simulations for hydrogen adsorption**
Demir S., CEPNI H. M., TOPCU Y., HOLYNSKA M., KESKIN S.
INORGANICA CHIMICA ACTA, vol.427, pp.138-143, 2015 (SCI-Expanded)
- XIII. **(1-Methyl-2-(thiophen-2-yl)-1H-benzimidazole) and its three copper complexes: Synthesis, characterization and fluorescence properties**
Demir S., EREN B., HOLYNSKA M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1081, pp.304-310, 2015 (SCI-Expanded)
- XIV. **4-Methyl-N-(4-methylphenylsulfonyl)-N-phenylbenzenesulfonamide**
Eren B., DEMİR S., DAL H., HÖKELEK T.
Acta Crystallographica Section E: Structure Reports Online, vol.70, no.3, 2014 (SCI-Expanded)
- XV. **Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metal-Organic Frameworks**
MORRIS W., VOLOSSKIY B., DEMİR S., GANDARA F., MCGRIER P. L., FURUKAWA H., CASCIO D., STODDART J. F., YAGHI O. M.
INORGANIC CHEMISTRY, vol.51, no.12, pp.6443-6445, 2012 (SCI-Expanded)
- XVI. **Solvothermal synthesis and characterization of coordination polymers of cobalt(II) and zinc(II) with succinic acid**
DEMİR S., KANTAR G. K., TOPCU Y., LI Q.
TRANSITION METAL CHEMISTRY, vol.37, no.3, pp.257-263, 2012 (SCI-Expanded)
- XVII. **Experimental and theoretical study on the structure and vibrational spectra of beta-2-aminopyridinium dihydrogenphosphate**
ÇIRAK Ç., DEMİR S., UCUN F., ÇUBUK O.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.79, no.3, pp.529-532, 2011 (SCI-Expanded)
- XVIII. **Novel Coordination Polymers of Metal(II) Succinates with 4-Aminopyridine: Synthesis, Spectroscopic, Thermal, and Fluorescent Properties**
DEMİR S., KAYA G.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.637, pp.456-461, 2011 (SCI-Expanded)
- XIX. **Synthesis, Crystal Structure, Magnetic, Thermal and Fluorescent Properties of [Co(H₂O)(4)(nia)(2)](suc)center dot(H₂)suc**
DEMİR S., YILMAZ V. T., MROZINSKI J., LIS T., HOLYNSKA M.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.65, no.6, pp.695-700,

2010 (SCI-Expanded)

- XX. **Metal(II) Nicotinamide Complexes Containing Succinato, Succinate and Succinic Acid: Synthesis, Crystal Structures, Magnetic, Thermal, Antimicrobial and Fluorescent Properties**
DEMİR S., Yılmaz V. T., Sariboga B., Buyukgungor O., MROZINSKI J.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.20, no.2, pp.220-228, 2010 (SCI-Expanded)
- XXI. **One-Dimensional Cobalt(II) and Zinc(II) Succinato Coordination Polymers with Nicotinamide: Synthesis, Structural, Spectroscopic, Fluorescent and Thermal Properties**
DEMİR S., Yılmaz V. T., YILMAZ F., Buyukgungor O.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.19, no.3, pp.342-347, 2009 (SCI-Expanded)
- XXII. **Ethene-trans-1,2-bis(4-pyridinium) dihydrogenphosphite and dihydrogenphosphate compounds exhibiting cooperative and directed hydrogen bonds between cations and anions: H(2)bpe(H2PO3)(2) and H(2)bpe(H2PO4)(2) center dot H2O**
YILMAZ V. T., Demir S., HARRISON W. T. A.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.61, no.9, pp.1067-1071, 2006 (SCI-Expanded)
- XXIII. **(3-Hydroxy-2-pyridylmethyl)dimethylammonium dihydrogen phosphate**
Demir S., YILMAZ V., HARRISON W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.62, 2006 (SCI-Expanded)
- XXIV. **Unusual template center dot center dot center dot template interactions in organically templated zincophosphate networks: {apyH[Zn(HPO4)(H2PO4)] center dot H2O } (n) and [meenH(2) [Zn-5(P04)(4)]] (n) (apyH=2-aminopyridinium and meenH(2) = monoethanol-ethylenediammonium)**
YILMAZ V., Demir S., KAZAK C., HARRISON W.
SOLID STATE SCIENCES, vol.7, no.10, pp.1247-1255, 2005 (SCI-Expanded)
- XXV. **A second polymorph of 2-aminopyridinium dihydrogenphosphate**
Demir S., YILMAZ V., HARRISON W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- XXVI. **Triethanolammonium dihydrogenphosphate**
Demir S., YILMAZ V., HARRISON W.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- XXVII. **2-(hydroxymethyl)pyridinium dihydrogenphosphate**
Demir S., YILMAZ V., HARRISON W.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.59, 2003 (SCI-Expanded)
- XXVIII. **Mixed-ligand metal succinate complexes with 1,10-phenanthroline and ethylenediamine: Synthesis, characterization, spectroscopic and thermal studies. Crystal structure of succinatocobalt(II) complex with phenanthroline**
YILMAZ V., Demir S., ANDAC O., HARRISON W.
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.8, pp.863-872, 2002 (SCI-Expanded)
- XXIX. **N-(2-Hydroxyethyl)ethylene-diammonium hydrogenphosphate monohydrate**
Demir S., YILMAZ V., ANDAC O., HARRISON W.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.58, 2002 (SCI-Expanded)

Books & Book Chapters

I. **Metal-Organic Frameworks for Hydrogen Storage**

Demir S., Altıntaş Ç., Keskin Avcı S., Topcu Y.

in: Handbook of Energy Materials, Ram Gupta, Editor, Springer Nature, Singapore, pp.1-35, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Pre-concentration of Tartrazine by Zirconium Metal-Organic Framework Adsorbent Prior to Spectrophotometric Determination**
Oymak T., Tokaloğlu Ş., Cam Ş., DEMİR S.
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018, pp.200
- II. **Metal-Organic Frameworks as Hydrogen Evolution Catalysts**
DEMİR S., ÜLKER E.
3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.192-193
- III. **Zirconium Metal-Organic Framework Platform as a Heterogeneous Catalysts for Electrochemical Hydrogen Evolution**
ÜLKER E., DEMİR S.
3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.189-191
- IV. **Metal-Organic Frameworks as Hydrogen Evolution Catalysts**
DEMİR S., ÜLKER E.
The Third International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018
- V. **Zirconium Metal-Organic Framework Platform as a Heterogeneous Catalysts for Electrochemical Hydrogen Evolution**
ÜLKER E., DEMİR S.
The Third International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018
- VI. **Vortex Assisted Solid Phase Extraction of Lead by Highly Porous Zirconium Metal Organic Framework**
YAVUZ E., TOKALIOĞLU Ş., DEMİR S., ŞAHAN H., PATAT Ş.
International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.120
- VII. **Metal-Organic Frameworks Improve the Stability of Solar Cells**
NEVRUZOĞLU V., DEMİR S., KARACA G., TOMAKİN M., BİLGİN N., YILMAZ F.
Physical-Chemical Problems of Renewable Energy, 11 International Conference, St Petersburg, Russia, 16 - 18 November 2015, pp.199-200
- VIII. **METAL-ORGANIC FRAMEWORKS BASED ON COPPER(I) IODIDE**
DEMİR S., CEPNİ H. M., BİLGİN N., HOLYNSKA M., YILMAZ F.
International Porous and Powder Materials Symposium and Exhibition, PPM 2015, İzmir, Turkey, 15 - 18 September 2015, pp.169
- IX. **SYNTHESIS, CHARACTERIZATION AND POST-METALATION OF NEW ZIRCONIUM METAL-ORGANIC FRAMEWORKS WITH LEWIS BASIC SITES**
DEMİR S., BİLGİN N., CEPNİ H. M., YILMAZ F., FURUKAWA H.
International Porous and Powder Materials Symposium and Exhibition, PPM 2015, İzmir, Turkey, 15 - 18 September 2015, pp.171
- X. **BAZI YENİ ZİRCONIYUM METAL-ORGANİK KAFES YAPILARIN SENTEZİ, KARAKTERİZASYONU VE SENTEZ SONRASI METALLENDİRİLMELERİ**
DEMİR S., BİLGİN N., CEPNİ H. M., YILMAZ F., FURUKAWA H.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.745
- XI. **BAKIR(I) İYODÜR ESASLI METAL-ORGANİK KAFES YAPILAR**
DEMİR S., CEPNİ H. M., BİLGİN N., HOLYNSKA M., YILMAZ F.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, vol.-, pp.765
- XII. **High Carbon Selectivity With Zeolitic Imidazolate Frameworks**
KESKİN S., DEMİR S.
International Porous and Powder Materials Symposium and Exhibition, PPM 2013, İzmir, Turkey, 3 - 06 September 2013, pp.177
- XIII. **A Zn-FERULATE METAL-ORGANIC FRAMEWORK**
DEMİR S., CEPNİ H. M., TOPCU Y., HOLYNSKA M.

International Porous and Powder Materials Symposium and Exhibition, PPM 2013, İzmir, Turkey, 3 - 06 September 2013, pp.354

- XIV. **Zirconium-Based Metal-Organic Frameworks**
MORRIS W., VOLOSSKIY B., DEMİR S., GANDARA F., MCGRIER P. L., FURUKAWA H., CASCIO D., STODDART J. F., YAGHI O. M.
International Porous and Powder Materials Symposium and Exhibition, PPM 2013, İzmir, Turkey, 3 - 06 September 2013, pp.165
- XV. **Bazı Geçiş Metal Komplekslerinin Endüstriyel Atık Olan Boyaların Parçalanmasında Katalizör Olarak Kullanımı,**
YILMAZ F., ADIGÜZEL E., DEMİR S.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.1
- XVI. **Zirkonyum Esaslı Metal-Organik Kafes Yapılar**
DEMİR S.
4. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.21
- XVII. **bazı kobalt II karboksilatların sentezi kristal yapıları termal ve adsorpsiyon özellikleri**
DEMİR S., KAYA KANTAR G., TOPCU Y., LI Q.
III. ulusal Anorganik kimya kongresi, Turkey, 19 - 22 May 2011
- XVIII. **metal organik kafes yapıları ve kullanım alanları**
DEMİR S., KAYA KANTAR G.
NABİTEK-2010, 20 - 23 June 2010
- XIX. **Metal-Organik Kafes Yapılarda Hidrojen Depolanması**
DEMİR S., TOPCU Y.
IV. Ulusal Hidrojen Enerjisi Kongresi ve Sergisi (Uluslararası Katılımlı), Kocaeli, Turkey, 15 - 16 October 2009, pp.0-39
- XX. **Bazı Yeni Metal-Süksinat Komplekslerinin Sentezi, Karakterizasyonu ve Magnetik Özellikleri**
DEMİR S., YILMAZ F.
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.257
- XXI. **Süksinik Asit Molekülü ve Süksinat Anyonunu Birarada İçeren Co(II) VE Ni(II) Komplekslerinin Sentezi, Kristal Yapıları, Termik ve Floresans Özellikleri**
DEMİR S., YILMAZ F.
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.258
- XXII. **Rize Üniversitesi Gözüyle Üniversite- Sanayi İşbirliğinde Fırsatlar ve Engeller**
DEMİR S., ÖZİL M., KOÇYİĞİT N., TABAK A.
Üniversite Sanayi İşbirliği Ulusal Kongresi-2009, Eskişehir, Turkey, 7 - 08 May 2009, pp.398-406
- XXIII. **Rize Üniversitesi Gözüyle Üniversite Sanayi İşbirliği Fırsatlar ve Engeller**
DEMİR S., ÖZİL M., KOÇYİĞİT N., TABAK A.
Üniversite- Sanayi İşbirliği Merkezleri Platformu (ÜSİMP) Üniversite Sanayi İşbirliği Ulusal Kongresi-2009, Eskişehir, Turkey, 7 - 08 May 2009, pp.398-406
- XXIV. **Karışık ligantlı 5,5-dietilbarbitürik asit-çinko komplekslerinin sentezi, yapısal, termik ve elektrokimyasal özellikleri**
DEMİR S., YILMAZ F., YILMAZ V.
XXII. Ulusal Kimya Kongresi, Magusa, Cyprus (Kkct), 6 - 10 October 2008
- XXV. **Karışık Ligantlı Bazı Geçiş Metal-Süksinato Komplekslerinin Sentezi Spektroskopik, Termik ve Yapısal Özelliklerinin İncelenmesi**
DEMİR S., YILMAZ F., YILMAZ V.
XXII. Ulusal Kimya Kongresi, Magusa, Cyprus (Kkct), 6 - 10 October 2008
- XXVI. **Karışık ligantlı gümüş barbital kompleksleri**
YILMAZ F., DEMİR S., YILMAZ V.
XXII. Ulusal Kimya Kongresi, Magusa, Cyprus (Kkct), 6 - 10 October 2008
- XXVII. **Sanayi Gözüyle Sanayi-Üniversite İşbirliği Önündeki Engeller ve Çözüm Önerileri: Rize Örneği**
DEMİR S., TABAK A., YILMAZ F.

Supported Projects

Demir S., Balık M. S., Manır M., TUBITAK Project, Gümüş içerikli MOF destekli ortopedik kemik çimentosu üretimi, 2022 - 2023

Nevruzoğlu V., Demir S., Yeşil Duymuş Z., Tomakin M., Ateş S. M., Çağlar İ., TUBITAK Project, 118F079-Metal-Organik Kafes Yapı Destekli Yeni Nesil İmplantların Üretilmesi, 2018 - 2020

DEMİR S., Cam Ş., Project Supported by Higher Education Institutions, Fabrika çay atıklarından metal-organik kafes yapılar katalizörlüğünde vanilin üretimi, 2018 - 2020

DEMİR S., Project Supported by Other Private Institutions, Alternatif enerji kaynağı hidrojen depolama özelliğine sahip bazı yeni metal-organik kafes yapılarının sentezi, karakterizasyonu ve kullanım alanlarının araştırılması, 2012 - 2016

Demir S., Yılmaz F., Nevruzoğlu V., TUBITAK Project, Metal-Organik Kafes Yapılar ve Enerji Uygulamaları, 2013 - 2015

DEMİR S., Project Supported by Higher Education Institutions, Bazı Geçiş Metal-Karboksilat Polimerlerinin Sentezi, Spektroskopik, Termik Ve Yapısal Özellikleri, 2010 - 2012

Patent

Nevruzoğlu V., Demir S., Yeşil Duymuş Z., Tomakin M., Çağlar İ., Ateş S. M., Metal organik kafes (mof) kaplamalı bir dental implant ve bunun üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2020 18630 B , Standard Registration, 2024

Nevruzoğlu V., Balık M. S., Demir S., Manır M., Beriş F. Ş., Tomakin M., Bal Altuntaş D., Orthopedic bone cement with silver-containing metal-organic framework structure support, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2021 019518 A1 , Standard Registration, 2023

Demir S., Çay atığından aktif karbon üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2019 06721 , Standard Registration, 2023

Yeşil Duymuş Z., Demir S., Beriş F. Ş., Çağlar İ., Ateş S. M., Metal-organik kafes yapı içeren dental simanlar ve üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2020 13519 B , Standard Registration, 2022

Nevruzoğlu V., Demir S., Bakır Deposu Olarak Kullanılan Kafes Yapılara Sahip Güneş Pilleri Ve Üretimi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2018 01834 , Standard Registration, 2022

Tomakin M., Nevruzoğlu V., Yeşil Duymuş Z., Ateş S. M., Demir S., Beriş F. Ş., RIMPLANT, Trademark, CHAPTER A Human Needs, The Invention Registration Number: 2021 039545 , Standard Registration, 2021

Nevruzoğlu V., Demir S., Yeşil Duymuş Z., Ateş S. M., Çağlar İ., Tomakin M., Beriş F. Ş., DENTAL IMPLANT WITH ANTIBACTERIAL/ ANTIMICROBIAL PROPERTY HAVING METAL-ORGANIC FRAMEWORK (MOF) STRUCTURE AND PRODUCTION METHOD THEREOF, Patent, CHAPTER A Human Needs, The Invention Registration Number: US-20220241055-A1 , Standard Registration, 2020, 2022

Nevruzoğlu V., Demir S., Yeşil Duymuş Z., Tomakin M., Beriş F. Ş., Ateş S. M., Metal-organik kafes (mof) yapı içeren antibakteriyel/antimikrobiyal özellikli dental implant ve bunun üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2019/23108 , Standard Registration, 2019

Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Recep Tayyip Erdogan University, Turkey, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Recep Tayyip Erdogan University, Turkey, November 2022

TUBITAK Project, 2221 - Sabbatical Science Support P., Recep Tayyip Erdogan University, Turkey, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, June

2022

MICROPOROUS AND MESOPOROUS MATERIALS, SCI Journal, December 2021

MICROPOROUS AND MESOPOROUS MATERIALS, SCI Journal, December 2021

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, October 2021

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, October 2021

MICROPOROUS AND MESOPOROUS MATERIALS, SCI Journal, October 2021

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, June 2021

JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, May 2021

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, December 2020

RSC ADVANCES, SCI Journal, December 2020

MICROPOROUS AND MESOPOROUS MATERIALS, SCI Journal, November 2020

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, November 2020

FOOD CHEMISTRY, SCI Journal, September 2020

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, July 2020

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, June 2020

Mobility Activity

Post Doc, Post Doc, University of California, Los Angeles, United States Of America, 2010 - 2011

Metrics

Publication: 57

Citation (WoS): 1024

Citation (Scopus): 1063

H-Index (WoS): 12

H-Index (Scopus): 12

Invited Talks

Zirconium Metal-Organik frameworks : Synthesis and Applications, Seminar, Bartın Üniversitesi / TR MOF 2019, Turkey, September 2019

Scholarships

Doktora Sonrası Araştırma Bursu, YOK, 2010 - 2011

Awards

Demir S., Nevruzoğlu V., Yeşil Duymuş Z., Tomakin M., Beriş F. Ş., Çağlar İ., Ateş M. S., Verimlilik Proje Ödülleri 2021, T.C. Sanayi Ve Teknoloji Bakanlığı , June 2022

Demir S., Nevruzoğlu V., Yılmaz F., Proje Performans Ödülü, Tübitak, December 2018

Non Academic Experience

Other Public Institution, 2. Ordu Gıda Kontrol Müfrezesi