

YÜCEL ŞAHİN

PROF.

Email : yusahin@yildiz.edu.tr

Other Email : yucelsahin06@gmail.com

International Researcher IDs

ScholarID: 7005779300

ORCID: 0000-0001-8590-4073

Publons / Web Of Science ResearcherID: AAZ-8387-2020

ScopusID: 7005779300

Yoksis Researcher ID: 147565

Learning Knowledge

Post Doctorate 2002 - 2003	Université d'Angers, Inge'Nierie Mole'culaire Et Mate'Riaux Organiques, Kimya-Malzeme, France
Doctorate 1996 - 2000	Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey
Postgraduate 1993 - 1996	Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey
Undergraduate 1989 - 1993	Hacettepe University, Mühendislik Fakültesi, Kimya Bölümü, Turkey

Dissertations

Doctorate, Investigation of electrochemical behaviour and electropolymerization of aniline sulfonic acids in non-aqueous media, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2000

Postgraduate, İdrar içerisinde suistimal edilen maddelerden eroin, esrar ve kokainin izolasyonu ve GC-MS tekniği ile tanımlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 1996

Academic Titles / Tasks

Professor 2013 - Continues	Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry
Professor 2009 - 2013	Anadolu University, Faculty Of Science, Kimya
Associate Professor 2004 - 2009	Anadolu University, Faculty Of Science, Kimya

Assistant Professor

2000 - 2004

Anadolu University, Faculty Of Science, Kimya

Research Assistant

1995 - 2000

Anadolu University, Faculty Of Science, Kimya

Supported Projects

1. GÜRSU H., YABAN M., ŞAHİN Y., AYDIN M. İ., SORGULU F., Project Supported by Higher Education Institutions, Geçiş Metali Esaslı Yeni Nesil Elektrokatalizörlerin Geliştirilmesi ve Hidrojen Üretim Verimliliği Üzerine Etkisinin Araştırılması, 2024 - Continues
2. ŞAHİN Y., Yüksel Ş., GÜRSU H., Project Supported by Higher Education Institutions, METAL KATKILI KARBON ESASLI MALZEMELERİN SENTEZİ VE ELEKTROKİMYASAL ENERJİ DEPOLAMA SİSTEMLERİNDE PERFORMANSLARININ ARAŞTIRILMASI, 2023 - Continues
3. GÜRSU H., ŞAHİN Y., CEYLAN ERDOĞAN D., ERSÖZOĞLU M. G., KAHRAMAN Y., Project Supported by Higher Education Institutions, Yenilikçi Karbon Fiber Boyutlandırma Prosesi Tasarımı ve Uygulaması, 2023 - Continues
4. ŞAHİN Y., TUBITAK Project, Çevresel Örneklerde Ağır Metal Kirliliklerinin İzlenmesi için Otomatik Voltmetri Sisteminin Geliştirilmesi, 2017 - Continues
5. Gençten M., Şahin Y., TUBITAK Project, Kükürt Katkılı Grafen-Molibden Disülfür Tozların Üretimi Ve Li-Iyon PİL Anot Malzemesi Olarak Kullanımlarının İncelenmesi, 2023 - 2025
6. Kurteli R., Gördük Ö., Şahin Y., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Üre Tayini için Giyilebilir Elektroniklerde Kullanılmak üzere Esnek Elektrokimyasal Sensör Geliştirilmesi, 2023 - 2024
7. GÖRDÜK Ö., Kaplan İ., Kurteli R., ŞAHİN Y., Dokur E., Uruç S., Project Supported by Higher Education Institutions, Nörobilim için Önemli Olan Tirozinin Tayinine Yönelik Grafen Esaslı Esnek ve Giyilebilir Elektrokimyasal Sensör Geliştirilmesi, 2023 - 2024
8. Şahin Y., Gördük Ö., Dokur E., Uruç S., Kurteli R., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Biyolojik Öneme Sahip Bazı Analitlerin Tayinleri için Esnek ve Giyilebilir Elektrokimyasal Sensörlerin Geliştirilmesi, 2022 - 2024
9. GÖRDÜK Ö., Uruç S., Dokur E., ŞAHİN Y., Project Supported by Higher Education Institutions, Prostat Kanseri Tanısında Kullanılan Prostat Spesifik Antiijeninin Tayini için Elektrokimyasal Sensör Geliştirilmesi, 2022 - 2024
10. Gençten M., Arvas M. B., Şahin Y., Yavuz N., Project Supported by Higher Education Institutions, Polipirrol/Heteroatom Katkılı Grafen Oksit/Silisyum Oksit Esaslı Kompozit Malzemelerin Üretimi ve Li-iyon Pillerde Anot Malzemesi Olarak Kullanımlarının Araştırılması, 2022 - 2024
11. Esentürk Güzel İ., Büyükkayhan D., Şahin Y., Döşler S., Gürsu H., Project Supported by Higher Education Institutions, Yenidoğan Göbek Çevresi Enfeksiyonlarına Yönelik Antimikrobiyal İlaç İçeren Topikal Nanolif Formülasyonlarının Geliştirilmesi, 2022 - 2024
12. Arvas M. B., Yazar Aydoğan S., Şahin Y., Arvas B., Yolaçan Ç., Project Supported by Higher Education Institutions, Giyilebilir Elektronikler için Kumarin Türevleri Katkılı-PEDOT Temelli Biyoyumlu Elektrot Malzemelerin Enerji Depolama Özelliklerinin İncelenmesi, 2022 - 2023
13. ŞAHİN Y., GÖRDÜK Ö., Dokur E., Uruç S., Project Supported by Higher Education Institutions, Ürik Asit Tayini için Esnek ve Giyilebilir Elektrokimyasal Sensör Geliştirilmesi, 2022 - 2023
14. Şahin Y., Şahin M., Gençten M., TUBITAK Project, Tuzlu Suyun Tuzundan Arındırılması ve Enerji Depolama: Redoks Akış Desalinasyon Bataryası, 2021 - 2023
15. Şahin Y., Gördük Ö., Dokur E., Uruç S., Project Supported by Higher Education Institutions, Kansere Tanısında Kullanılan Biyobelirteçlerin Tayini için Elektrokimyasal Sensör Geliştirilmesi, 2021 - 2022
16. GÖRDÜK Ö., DOKUR E., URUÇ S., ŞAHİN Y., Project Supported by Higher Education Institutions, Biyolojik Öneme Sahip NADH Tayinine Yönelik Sensör Geliştirilmesi, 2021 - 2022

17. GENÇTEN M., ŞAHİN Y., GÖRDÜK S., YILDIRIM KALYON H., Project Supported by Higher Education Institutions, Koordinasyon Bileşiği ve İletken Polimer İçeren Kompozit Elektrotların Üretimi ve Süperkapasitör Uygulamaları, 2021 - 2022
18. GÜRSU H., ŞAHİN Y., ERSÖZÖĞLU M. G., Project Supported by Higher Education Institutions, VRFB UYGULAMALARINA YÖNELİK -N VE -S HETEROATOM KATKILI KONTROL EDİLEBİLİR FONKSİYONEL GRUPLAR İÇEREN GRAFEN OKSİT ESASLI ELEKTROT MALZEMELERİNİN GELİŞTİRİLMESİ, 2021 - 2022
19. ŞAHİN Y., KOÇYİĞİT N., Project Supported by Higher Education Institutions, Redoks Akışkan Bataryalarda Grafen Elektrotlar, 2019 - 2022
20. ŞAHİN Y., ARVAS M. B., Project Supported by Higher Education Institutions, Bazı Karbon Esaslı Malzemelerin Süperkapasitör Sistemlerindeki Performanslarının İncelenmesi, 2019 - 2022
21. GÜRSU H., ŞAHİN Y., Project Supported by Higher Education Institutions, Elektrokimyasal İletken Polimer-Grafen Elektrot Sentezi Karakterizasyonu ve Enerji Uygulamaları, 2020 - 2021
22. Gördük Ö., Şahin Y., Şahin M., Gençten M., Gördük S., Project Supported by Higher Education Institutions, İletken Polimer/Karbon Nanotüp/Ftalosiyanın Üçlü Hibrit Malzemelerinin Elektrokimyasal Olarak Hazırlanması ve Süperkapasitör Uygulamaları, 2019 - 2021
23. ŞAHİN Y., GÖRDÜK Ö., GÖRDÜK S., Project Supported by Higher Education Institutions, Hidrojen Peroksit Tayinine Yönelik Modifiye Elektrot Temelli Elektrokimyasal Sensör Geliştirilmesi, 2019 - 2020
24. Gürsu H., Gençten M., Şahin Y., Technopark, EMNİYET SUBAPLI KURŞUN ASİT AKÜLER İÇİN JEL KATKI MADDELERİNİN ARAŞTIRILMASI, 2019 - 2020
25. ŞAHİN Y., KARATAŞ ÖZKARACA E. B., Project Supported by Higher Education Institutions, Metal Katkılı Grafen Esaslı Elektrotların Üretilmesi ve Karbondioksit İndirgenmesinde Kullanımının Araştırılması, 2018 - 2020
26. Gürsu H., Gençten M., Şahin Y., Project Supported by Other Private Institutions, Vanadyum Redoks Akışkan Batarya Sistemleri için Grafen Esaslı Elektrot Malzemelerinin Geliştirilmesi, 2018 - 2019
27. ŞAHİN Y., KOYUN Ö., Project Supported by Higher Education Institutions, GIDA GÜVENLİĞİ AÇISINDAN ÖNEM TAŞIYAN BAZI MADDELERİN ELEKTROKİMYASAL TAYİNLERİ, 2017 - 2018
28. Şahin Y., Gördük Ö., Project Supported by Higher Education Institutions, Bazı Gıdalarda Bulunan Gıda Katkı Maddelerinin Elektrokimyasal Tayinleri, 2017 - 2018
29. Gemici Z., Şahin Y., KOSGEB, Tarımsal ve Çevresel Analizlerin Yerinde ve Hızlı Yapılmasına Yönelik Mobil Analiz Laboratuvar Platformunun Geliştirilmesi, 2015 - 2018
30. ŞAHİN Y., Project Supported by Higher Education Institutions, ELEKTROKİMYASAL GRAFEN ELEKTROT SENTEZİ VE VANADYUM REDOKS AKIŞKAN BATARYA SİSTEMLERİNDE KULLANIMININ ARAŞTIRILMASI, 2014 - 2018
31. Gürsu H., Gençten M., Şahin Y., Technopark, Biyolojik Öneme Sahip Bazı Maddelerin Modifiye Edilmiş Grafit Esaslı Elektrot ile Elektrokimyasal Tayini, 2016 - 2017
32. ŞAHİN Y., ARVAS M. B., Project Supported by Higher Education Institutions, GRAFEN ESASLI SENSÖR TASARIMI, 2015 - 2017
33. ŞAHİN Y., Topraktaki Ca ve Mg Makro Besin Elementlerinin Tayini için Otomatik Titrasyon Sistemi Geliştirilmesi, 2015 - 2017
34. Şahin Y., Gençten M., Gürsu H., TUBITAK Project, Vanadyum Redoks Bataryaların Performanslarının Arttırılması, 2015 - 2017
35. ŞAHİN Y., Topraksız Tarım Seralarında Besin Çözeltisindeki Azot, Fosfor, Potasyum İçeriğinin Anlık İzlenmesi ve Kontrolü İçin Sistem Geliştirilmesi, 2015 - 2017
36. Gürsu H., Gençten M., Şahin Y., Industrial Thesis Project, Yenilenebilir Enerji Kaynakları için Vanadyum Redoks Batarya Sistemleri, 2015 - 2016
37. Şahin Y., Yamaç M., TUBITAK Project, Bazı Ölümcül Makrofungus Toksinlerinin Elektrokimyasal Tayini, 2014 - 2016
38. ŞAHİN Y., Other International Funding Programs, Elektrokimyasal Enerji Depolama sistemleri, 2014 - 2016
39. Gemici Z., Şahin Y., Çetinkaya E., TUBITAK Project, Toprakta Voltametik Mikro Element Tayini İle Gübreleme Tavsiye Sistemi Geliştirilmesi, 2013 - 2016
40. ŞAHİN Y., Industrial Thesis Project, MİKROYAPI TASARIMI VE NANO KATKILARLA KATI POLİÜRETANIN ISIL İLETKENLİĞİNİN AZALTILMASI, 2013 - 2016
41. Şahin Y., Gürsu H., TUBITAK Project, Aşırı Yükseltgenmiş Nanofiber Yapılı Polipirol Modifiye Edilmiş Kalem Grafit Elektrot ile Dopamin Tayini, 2014 - 2015

42. ŞAHİN Y., Alev geciktirici malzeme (ATH) sentezi ve uygulama alanları, 2012 - 2014
43. ŞAHİN Y., Other International Funding Programs, Kurşun-asit akülerde jel elektrolit kullanımı, 2012 - 2013
44. ŞAHİN Y., Other International Funding Programs, Bazı metal oksitlerin elektrokimyasal sentezi, 2012 - 2013
45. ŞAHİN Y., Other International Funding Programs, Nanofiber yapıli iletken polimerlerin elektrokimyasal sentezi ve süper kapasitör özelliklerinin incelenmesi, 2011 - 2013
46. ŞAHİN Y., Industrial Thesis Project, Baz istasyonlarında kullanılan akülerin performanslarının artırılması, 2011 - 2013
47. ŞAHİN Y., TUBITAK Project, SANDY ALÜMİNA ÜRETİM ŞARTLARININ GELİŞTİRİLMESİ İÇİN PROSES PARAMETRELERİNİN ALÜMİNYUM HİDROKSİTİN OLUŞUMUNDA TANE BOYUTU DAĞILIMINA ETKİLERİNİN BELİRLENMESİ, 2010 - 2013
48. ŞAHİN Y., Optik Uygulamalar için Yüksek saflıkta Malzeme sentezi, 2012 - 2012
49. ŞAHİN Y., TUBITAK Project, ALÜMİNYUM HİDROKSİTİN ALFA Al_2O_3 'E DÖNÜŞÜMÜ SIRASINDA GELİŞEN FAZ DÖNÜŞÜMLERİ, PARTİKÜLLERİN FİZİKSEL ÖZELLİKLERİNDEKİ DEĞİŞİMLER VE ALÜMİNYUM OKSİT TÜRÜNÜN ELEKTROLİZ PERFORMANSINA ETKİLERİ ÖNLEMEK, 2010 - 2012
50. ŞAHİN Y., TUBITAK Project, ALÜMİNA ÜRETİM TESİSİNDE MEYDANA GELEN KABUKLARIN OLUŞUM MEKANİZMASINI ANLAMAK, BUHARLAŞTIRMA BATARLAYALARINDA VE OTOKLAV ÖN ISITICILARINDA KABUK OLUŞUMUNU ÖNLEMEK, 2010 - 2012
51. ŞAHİN Y., TUBITAK Project, BOKSİTTEN GELEN SİLİSYUMUN FİZİKSEL VE KİMYASAL REAKSİYONLARLA UZAKLAŞTIRILMASI VE BU YOLLA ALÜMİNA ÜRETİMİNDE KULLANILAN KOSTİK MİKTARININ AZALTILMASI, 2010 - 2012
52. ŞAHİN Y., TUBITAK Project, Güvenli, Nano Boyutlu Tasarlanmış Şekillere Sahip ZnO ve TiO₂ Partiküllerin Üretilmesi, 2010 - 2012
53. ŞAHİN Y., Other International Funding Programs, Sol-Gel Spin Coating Metodu İle Elde Edilen Nano-Organik-İnorganik Yarıiletkenlerin Elektriksel-Optiksel Özelliklerinin Araştırılması, 2008 - 2010
54. Şahin Y., Şahin M., Project Supported by Higher Education Institutions, İletken Polimer Modifiye Membranların Hazırlanması ve İyon Değişim Kapasitelerinin İncelenmesi, 2007 - 2009
55. ŞAHİN Y., Other International Funding Programs, Organik Kirletici İçeren Atık Suların Elektro-Fenton Yöntemiyle Arıtılması, 2005 - 2007
56. ŞAHİN Y., Other International Funding Programs, İletken Polimerlerin Çelik ve Bakır Üzerinde Elektrokimyasal Sentezi ve Korozyon Performanslarının İncelenmesi, 2005 - 2007
57. ŞAHİN Y., Other International Funding Programs, İLETKEN POLİMERLERİN BİYOSENSÖRLERDE KULLANIMI, 2004 - 2006
58. ŞAHİN Y., Other International Funding Programs, PİROLÜN ELEKTROKİMYASAL POLİMERİZASYONU VE ORGANİK ASİT ETKİLERİNİN İNCELENMESİ, 2002 - 2003

Awards

1. Şahin Y., "Dünyanın En Etkili Bilim İnsanları" , Stanford Üniversitesi Ve Elsevier, September 2024
2. Şahin Y., "Dünyanın En Etkili Bilim İnsanları", Stanford Üniversitesi Ve Elsevier, October 2023
3. Ersözoğlu M. G., Saraç A. S., Şahin Y., Doktora Özel Ödülü, İstanbul Teknik Üniversitesi, June 2023
4. Şahin Y., Gürsu H., Türkoğlu N., Production of biodegradable, graphene-based wound dressing containing 2,3 dialdehyde bacterial cellulose, Isif'23 Istanbul International Invention Fair, April 2023
5. Şahin Y., Arvas M. B., Gördük Ö., ISIF'2023, Istanbul International Invention Fair, April 2023
6. Gençten M., Şahin Y., A New Additive for Gel Batteries, Türk Patent Ve Marka Kurumu, November 2022
7. Şahin Y., "Dünyanın En Etkili Bilim İnsanları", Stanford Üniversitesi Ve Elsevier, October 2022
8. Şahin Y., "Dünyanın En Etkili Bilim İnsanları", Stanford Üniversitesi Ve Elsevier, November 2021
9. Şahin Y., Gürsu H., Gençten M., Kuluçka Patent Yıldızı - HMY Kimya ve Enerji, Yıldız Teknik Üniversitesi Teknopark, March 2017
10. Şahin Y., Gürsu H., Gençten M., Nanokompozitler Proje Pazarında Hakem Kurulu Tarafından Seçilen Proje Birincilik Ödülü, Yıldız Teknik Üniversitesi Teknopark, November 2016

11. ŞAHİN Y., Elektrokimya alanında en iyi poster, 10th Aegean Analytical Chemistry Days (AACD2016), September 2016
12. ŞAHİN Y., 2008-2009 yılları arasında en çok atıf alan 25 yayın arasında bulunma ödülü, Elsevier yayınevi J. of Electroanalytical Chemistry, June 2009
13. ŞAHİN Y., Lisans Bölüm Üçüncülüğü, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Bölümü, June 1993

Scholarships

Invited Professor, University, 2009 - 2009

Doktora Sonrası Araştırma Bursu, Official Institutions of Foreign Countries, 2002 - 2003

2000 yılı Kimya Nobel Ödül Sahibi Prof. A.J. HEEGER Bursu, Other International Organizations, 2002 - 2002

NATO ASI Bursu, NATO, 2001 - 2001

Lisans Eğitim Bursu, Other Government Agencies, 1991 - 1993

Research Infrastructure Information

Şahin Y., Elektrokimya Araştırma Laboratuvarı, April 2014

Şahin Y., Elektrokimya Araştırma Laboratuvarı, September 2003

Published journal articles indexed by SCI, SSCI, and AHCI

1. **The effect of metal type and gamma irradiation doses on the VOC detection performance of new 1,3-bis(2-pyridylamino)isoindoline complexes**
Gümrükçü S., Urfa Y., Altındal A., Katı M. İ., AKYÜREKLİ S., Gül A., ŞAHİN Y., Özçeşmeci İ.
Journal of Molecular Structure, vol.1318, 2024 (SCI-Expanded)
2. **Voltammetric Determination of Pyridoxine in Pharmaceutical Samples Using Phosphorus-Doped Copper Oxide Pencil Graphite Electrode**
Yalçın Açıklan M., Dokur E., Uruç S., Gördük Ö., Şahin Y.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.1, no.1, pp.1-22, 2024 (SCI-Expanded)
3. **Ethylenediamine-functionalized metal-organic frameworks for applications of electrochemical supercapacitors as an additive**
Kalyon H. Y., Yılmaz O., Gençten M., Gorduk S., Sahin Y.
Synthetic Metals, vol.306, 2024 (SCI-Expanded)
4. **Adsorption and desorption of hydroxychloroquine onto sulphur doped graphene powders as a potential drug for COVID-19: physicochemical investigation, surface chemistry and in vitro cytotoxicity evaluation**
Acar T., ARVAS M. B., ARVAS B., Ucar B., ŞAHİN Y.
Adsorption, vol.30, no.6, pp.1377-1393, 2024 (SCI-Expanded)
5. **One-Step Electrochemical Synthesis of Molybdenum-Disulfide-Based Materials for Enhanced Supercapacitor Performance**
Hacinecipoglu A. V., Demir O., Gençten M., Sahin Y.
ECS Journal of Solid State Science and Technology, vol.13, no.7, 2024 (SCI-Expanded)
6. **Silver nanoparticle-incorporated over-oxidized poly(3,4-ethylenedioxythiophene)-based electrochemical sensor for selective determination of riboflavin**
Yalcin Acikalın M., Dokur E., Uruç S., Gördük Ö., Şahin Y.
IONICS, vol.1, no.1, pp.1-21, 2024 (SCI-Expanded)
7. **A Tripartite Composite Incorporating Nitrogen-Doped Graphene Oxide, Polypyrrole, and Silica for Lithium-Ion Battery Anodes**

- Al-Bujasim M., Gençten M., Donmez K. B., Arvas M. B., Karatepe N., Sahin Y.
ECS Journal of Solid State Science and Technology, vol.13, no.5, 2024 (SCI-Expanded)
8. **Development of Lab-made Flexible Screen-printed Electrode based on S-Graphene Enriched with AuNPs and CuO for Electrochemical Detection of Tyrosine**
Duran İ., Uruç S., Dokur E., Gördük Ö., Şahin Y.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.1, no.1, pp.1-21, 2024 (SCI-Expanded)
 9. **Construction of a ternary composite of S-doped GO, Cl-doped GO, and PANI for coin cell-type asymmetric supercapacitor**
YAŞA S., Kumbasi O., ARVAS M. B., GENÇTEN M., ŞAHİN M., ŞAHİN Y.
Ionics, vol.30, no.5, pp.3021-3031, 2024 (SCI-Expanded)
 10. **Disposable and ultrasensitive label-free gold nanoparticle patterned poly(3,4-ethylenedioxythiophene-co-3-methylthiophene) electrode for electrochemical immunosensing of prostate-specific antigen**
Uruç S., Dokur E., Gördük Ö., Şahin Y.
NEW JOURNAL OF CHEMISTRY, vol.1, no.1, pp.1-21, 2024 (SCI-Expanded)
 11. **One step production of phosphorene from red phosphorus and investigation of their supercapacitor applications with conducting polymers**
Yilmaz O., Kalyon H. Y., GENÇTEN M., ŞAHİN Y.
Journal of Energy Storage, vol.79, 2024 (SCI-Expanded)
 12. **Selective Amperometric Sensor for the Determination of Hydrazine at a Gold Nanoparticle Decorated Poly(Brilliant Blue) Modified Electrode**
Dokur E., Uruç S., Suerkan S., GÖRDÜK Ö., ŞAHİN Y.
Analytical Letters, 2024 (SCI-Expanded)
 13. **A biocompatible and flexible supercapacitor for wearable electronic devices**
Yazar Aydoğan S., Arvas B., Arvas M. B., Yolaçan Ç., Şahin Y.
Journal of Energy Storage, vol.74, 2023 (SCI-Expanded)
 14. **Investigation of supercapacitor electrode performances of phosphorus-doped graphene oxide electrodes in various deep eutectic solvents and symmetric supercapacitor application**
Kalkan E., ARVAS M. B., YAZAR AYDOĞAN S., ŞAHİN Y.
Journal of Energy Storage, vol.73, 2023 (SCI-Expanded)
 15. **A New Manganese Based-Metal Oxide Electrocatalyst Through Electrodeposition for Investigation of Effect on V(IV)/V(V) Side's Reversibility of All-Vanadium Redox Flow Batteries**
Yalcin D., GENÇTEN M., ŞAHİN Y., Ozcan A.
ECS Journal of Solid State Science and Technology, vol.12, no.11, 2023 (SCI-Expanded)
 16. **Designing disposable hand-made screen-printed electrode using conductive ink for electrochemical determination of dopamine**
Dokur E., Uruç S., Kurteli R., Gorduk Ö., Sahin Y.
IONICS, vol.1, no.1, pp.1-18, 2023 (SCI-Expanded)
 17. **Electrochemical Sensing of Serotonin in Food Products by Electrochemically Fabricated S-Doped Graphene Oxide Electrode**
Serbest Z., GÖRDÜK Ö., ŞAHİN Y.
Journal of Analytical Chemistry, vol.78, no.9, pp.1267-1279, 2023 (SCI-Expanded)
 18. **Electrochemical DNA Sensor Designed Using the Pencil Graphite Electrode to Detect Listeria monocytogenes**
Diñçer E., Küçüköğlü N., Kivanç M., Şahin Y.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.1, no.1, pp.1-10, 2023 (SCI-Expanded)
 19. **One-pot synthesis of Vanadium-doped conducting polymers for using as electrode materials of supercapacitors**
Ok B., GENÇTEN M., ARVAS M. B., ŞAHİN Y.
Journal of Materials Science: Materials in Electronics, vol.34, no.23, 2023 (SCI-Expanded)
 20. **Investigation the effects of chlorine doped graphene oxide as an electrolyte additive for gel type**

valve regulated lead acid batteries

Mansuroglu A., Gençten M., Arvas M. B., Sahin M., Sahin Y.

Journal of Energy Storage, vol.64, 2023 (SCI-Expanded)

21. **Investigation of Flexible Electrochemical Sensor Properties of Graphite Conductive Ink Modified Textile Products and Their Applications in Electrical Circuits**
Dokur E., Uruc S., Kurteli R., Gorduk O., Sahin Y.
MATERIALS TODAY COMMUNICATIONS, vol.1, no.1, pp.1, 2023 (SCI-Expanded)
22. **Facile synthesis strategy for phthalocyanine-titanium dioxide/multi-walled carbon nanotube/poly(3,4-ethylenedioxythiophene) ternary composite electrodes via one-step electrochemical method for supercapacitor applications**
Artar E., Arvas M. B., Gorduk O., Gorduk S., Sahin Y.
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Academic and Administrative Experience

2017 - 2020	Enstitü Yönetim Kurulu Üyesi	Yıldız Technical University, Graduate School Of Natural And Applied Sciences
2016 - 2020	Vice Rector	Yıldız Technical University
2014 - 2016	Head of Department	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü
2009 - 2013	Head of Department	Anadolu Üniversitesi, Fen Fakültesi, Kimya Bölümü
2003 - 2005	Deputy Head of Department	Anadolu Üniversitesi, Fen Fakültesi, Kimya

Courses

Enstrümental Analiz Laboratuvarı, Undergraduate, 2019 - 2020
Endüstriyel Kimya, Undergraduate, 2019 - 2020
Uzmanlık Alna Dersi, Doctorate, 2019 - 2020
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Analitik Kimya Laboratuvarı 2, Undergraduate, 2018 - 2019
Yüksek Lisans tezi, Postgraduate, 2019 - 2020
Doktora Tezi, Doctorate, 2019 - 2020
Analitik Kimya Laboratuvarı I, Undergraduate, 2018 - 2019
Elektroanalitik Kimya, Postgraduate, 2018 - 2019

Enstrümental Analiz 2, Undergraduate, 2015 - 2016

Analitik Kimya II, Undergraduate, 2015 - 2016

Analitik Kimya I, Undergraduate, 2015 - 2016

Advising Theses

Şahin Y., Bazı Nano Boyutlu Metal -Organik Kafes Yapılarının Elektrokimyasal Sentezi ve Karakterizasyonu, Doctorate, N.Aksel(Student), Continues

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Şahin Y., Bazı Hastalıkların Tespiti için Önem Taşıyan Biyobelirteçlerin Elektrokimyasal Olarak Belirlenmesi, Postgraduate, E.Dokur(Student), Continues

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Şahin Y., Yeni Nesil İki Boyutlu Malzemelerin Geliştirilmesi ve Sensör Özelliklerinin İncelenmesi, Doctorate, S.Angı(Student), Continues

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Şahin Y., Redoks Akış Desalinasyon Bataryaları İçin Grafen Temelli Elektrot Malzemelerinin Geliştirilmesi, Postgraduate, E.Artar(Student), Continues

Şahin Y., Ağır Metallerin Tayini İçin Elektrokimyasal Yöntem Geliştirilmesi, Postgraduate, E.Yüce(Student), Continues

Şahin Y., Grafen Temelli Malzemelerin Korozyon İnhibitörü Olarak Kullanımının Araştırılması, Postgraduate, E.Gümüş(Student), Continues

Şahin Y., İletken polimer ve nanomalzeme içeren elektrotların elektrokimyasal sensör özelliklerinin araştırılması, Postgraduate, R.Kurteli(Student), Continues

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Şahin Y., Kükürt, azot ve klor katkılı grafen esaslı elektrotların demir redoks akışkan bataryalarda kullanımının araştırılması, Postgraduate, S.SU(Student), 2020

Şahin Y., Voltametrik Yöntem İle Toprakta Metal Tayini, Doctorate, K.Bahadır(Student), 2019

Şahin Y., Bazı Katkı Maddelerinin Kurşun Asit Performansına Etkilerinin İncelenmesi, Postgraduate, M.Karaoğlu(Student), 2019

Şahin Y., Bitkisel kökenli gıdalarda yüksek polariteye sahip pestisitlerin sıvı kromatografisi kütle spektrometresi yöntemiyle tayinleri, Postgraduate, M.BURAK(Student), 2019

Şahin Y., Elektrokimyasal enerji depolama sistemleri, Doctorate, H.Gürsu(Student), 2018

Şahin Y., Redoks Akışkan Bataryalarda Membran Tasarımı, Postgraduate, D.Yalçın(Student), 2017

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Şahin Y., Metal-organik kafes yapılar için yeni ligandların sentezi ve karakterizasyonu, Postgraduate, N.AKSEL(Student), 2016

Şahin Y., Grafen Esaslı Sensör Tasarımı, Postgraduate, M.Beşir(Student), 2016

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Şahin Y., Kurşun-Asit Akülerde Jel Elektrolit Kullanımı, Postgraduate, K.Bahadır(Student), 2013

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Şahin Y., Arvas M. B., Gördük Ö., Fosfat Tayininde Kullanılmak Üzere Bir Elektrot Ve Elektrot Üretimi İçin Bir Yöntem, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2016 13170 B , Standard Registration, 2021

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Research Areas

Energy storage technologies, Nanomaterials, Analytical Chemistry, Sensors, Electrochemistry, Conductive Polymers

Non Academic Experience

Business Establishment Private, Hmy Kimya Ve Enerji Ltd.Şti.

Business Establishment Private, Mir-Arge

Company, Yildiz Technical University

TUBITAK, Tübitak

Other Public Institution, Kriminal Polis Laboratuvarı

Kriminal Polis Laboratuvarı