

# YÜCEL ŞAHİN

## PROF.

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### Learning Knowledge

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

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### 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

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Professor 2013 - Continues	Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Department of Chemistry
Professor 2009 - 2013	Anadolu Üniversitesi, Fen Fakültesi, Kimya
Associate Professor 2004 - 2009	Anadolu Üniversitesi, Fen Fakültesi, Kimya
Assistant Professor 2000 - 2004	Anadolu Üniversitesi, Fen Fakültesi, Kimya
Research Assistant 1995 - 2000	Anadolu Üniversitesi, Fen Fakültesi, Kimya

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## Supported Projects

1. GÖRDÜK Ö., DOKUR E., URUÇ S., ŞAHİN Y., Project Supported by Higher Education Institutions, Biyolojik Öneme Sahip NADH Tayinine Yönelik Sensör Geliştirilmesi, 2021 - Continues
2. 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 - Continues
3. 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 - Continues
4. ŞAHİN Y., KOÇYIĞIT N., Project Supported by Higher Education Institutions, Redoks Akışkan Bataryalarda Grafen Elektrotlar, 2019 - Continues
5. ŞAHİN Y., ARVAS M. B. , Project Supported by Higher Education Institutions, Bazı Karbon Esaslı Malzemelerin Süperkapasitör Sistemlerindeki Performanslarının İncelenmesi, 2019 - Continues
6. ŞAHİN Y., TUBITAK Project, Çevresel Örneklerde Ağır Metal Kirliliklerinin İzlenmesi için Otomatik Voltametri Sisteminin Geliştirilmesi, 2017 - Continues
7. GÜRSU H., ŞAHİN Y., Project Supported by Higher Education Institutions, Elektrokimyasal İletken Polimer-Grafen Elektrot Sentezi Karakterizasyonu ve Enerji Uygulamaları, 2020 - 2021
8. 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
9. ŞAHİN Y., GÖRDÜK Ö., GÖRDÜK S., Project Supported by Higher Education Institutions, Hidrojen Peroksit Tayinine Yönelik Modifiye Elektrot Temelli Elektrokimyasal Sensör Geliştirilmesi, 2019 - 2020
10. 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
11. ŞAHİN Y., KOYUN Ö., Project Supported by Higher Education Institutions, GIDA GÜVENLİĞİ AÇISINDAN ÖNEM TAŞIYAN BAZI MADDELERİN ELEKTROKİMYASAL TAYİNLERİ, 2017 - 2018
12. Şahin Y., Gördük Ö., Project Supported by Higher Education Institutions, Bazı Gıdalarda Bulunan Gıda Katkı Maddelerinin Elektrokimyasal Tayinleri, 2017 - 2018
13. Gemici Z., Şahin Y., KOSGEB, Tarımsal ve Çevresel Analizlerin Yerinde ve Hızlı Yapılmasına Yönelik Mobil Analiz Laboratuvar Platformunun Geliştirilmesi, 2015 - 2018
14. ŞAHİN Y., Project Supported by Higher Education Institutions, ELEKTROKİMYASAL GRAFEN ELEKTROT SENTEZİ VE VANADYUM REDOKS AKIŞKAN BATARYA SİSTEMLERİNDE KULLANIMININ ARAŞTIRILMASI, 2014 - 2018
15. ŞAHİN Y., Project Supported by Higher Education Institutions, GRAFEN ESASLI SENSÖR TASARIMI, 2015 - 2017
16. ŞAHİN Y., Topraktaki Ca ve Mg Makro Besin Elementlerinin Tayini için Otomatik Titrasyon Sistemi Geliştirilmesi, 2015 - 2017
17. Gençten M., Gürsu H., Şahin Y., TUBITAK Project, Vanadyum Redoks Bataryaların Performanslarının Arttırılması, 2015 - 2017
18. ŞAHİN Y., Topraksız Tarım Seralarında Besin Çözeltisindeki Azot, Fosfor, Potasyum İçeriğinin Anlık İzlenmesi ve Kontrolü İçin Sistem Geliştirilmesi, 2015 - 2017
19. Şahin Y., Yamaç M., TUBITAK Project, Bazı Ölümcül Makrofungus Toksinlerinin Elektrokimyasal Tayini, 2014 - 2016
20. ŞAHİN Y., Other Supported Projects, Elektrokimyasal Enerji Depolama sistemleri, 2014 - 2016
21. Gemici Z., Şahin Y., Çetinkaya E., TUBITAK Project, Toprakta Voltametrik Mikro Element Tayini İle Gübreleme Tavsiye Sistemi Geliştirilmesi, 2013 - 2016
22. ŞAHİN Y., Industrial Thesis Project, MİKROYAPI TASARIMI VE NANO KATKILARLA KATI POLİÜRETANIN ISIL İLETKENLİĞİNİN AZALTILMASI, 2013 - 2016
23. Gürsu H., Şahin Y., TUBITAK Project, Aşırı Yükseltgenmiş Nanofiber Yapılı Polipirol Modifiye Edilmiş Kalem Grafit Elektrot ile Dopamin Tayini, 2014 - 2015
24. ŞAHİN Y., Alev geciktirici malzeme (ATH) sentezi ve uygulama alanları, 2012 - 2014
25. ŞAHİN Y., Other Supported Projects, Kurşun-asit akülerde jel elektrolit kullanımı, 2012 - 2013
26. ŞAHİN Y., Other Supported Projects, Bazı metal oksitlerin elektrokimyasal sentezi, 2012 - 2013
27. ŞAHİN Y., Other Supported Projects, Nanofiber yapılı iletken polimerlerin elektrokimyasal sentezi ve süper

- kapasitör özelliklerinin incelenmesi, 2011 - 2013
28. ŞAHİN Y., Industrial Thesis Project, Baz istasyonlarında kullanılan akülerin performanslarının artırılması, 2011 - 2013
  29. ŞAHİN Y., TUBITAK Project, SANDY ALÜMİNA ÜRETİM ŞARTLARININ GELİŞTİRİLMESİ İÇİN PROSES PARAMETRELERİNİN ALÜMİNYUM HİDROKSİTİN OLUŞUMUNDA TANE BOYUTU DAĞILIMINA ETKİLERİNİN BELİRLENMESİ, 2010 - 2013
  30. ŞAHİN Y., Optik Uygulamalar için Yüksek saflıkta Malzeme sentezi, 2012 - 2012
  31. ŞAHİN Y., TUBITAK Project, ALÜMİNYUM HİDROKSİTİN ALFA Al<sub>2</sub>O<sub>3</sub>'E DÖNÜŞÜMÜ SIRASINDA GELİŞEN FAZ DÖNÜŞÜMLERİ, PARTİKÜLLERİN FİZİKSEL ÖZELLİKLERİNDEKİ DEĞİŞİMLER VE ALÜMİNYUM OKSİT TÜRÜNÜN ELEKTROLİZ PERFORMANSINA ETKİLERİ ÖNLEMEK, 2010 - 2012
  32. ŞAHİN Y., TUBITAK Project, ALÜMİNA ÜRETİM TESİSİNDE MEYDANA GELEN KABUKLARIN OLUŞUM MEKANİZMASINI ANLAMAK, BUHARLAŞTIRMA BATARLAYALARINDA VE OTOKLAV ÖN ISITICILARINDA KABUK OLUŞUMUNU ÖNLEMEK, 2010 - 2012
  33. ŞAHİN Y., TUBITAK Project, BOKSİTTEN GELEN SİLİSYUMUN FİZİKSEL VE KİMYASAL REAKSİYONLARLA UZAKLAŞTIRILMASI VE BU YOLLA ALÜMİNA ÜRETİMİNDE KULLANILAN KOSTİK MİKTARININ AZALTILMASI, 2010 - 2012
  34. ŞAHİN Y., TUBITAK Project, Güvenli, Nano Boyutlu Tasarlanmış Şekillere Sahip ZnO ve TiO<sub>2</sub> Partiküllerin Üretilmesi, 2010 - 2012
  35. ŞAHİN Y., Other Supported Projects, Sol-Gel Spin Coating Metodu İle Elde Edilen Nano-Organik-İnorganik Yarıiletkenlerin Elektriksel-Optiksel Özelliklerinin Araştırılması, 2008 - 2010
  36. Şahin Y., Şahin M., Project Supported by Higher Education Institutions, İletken Polimer Modifiye Membranların Hazırlanması ve İyon Değişim Kapasitelerinin İncelenmesi, 2007 - 2009
  37. ŞAHİN Y., Other Supported Projects, Organik Kirletici İçeren Atık Suların Elektro-Fenton Yöntemiyle Arıtılması, 2005 - 2007
  38. ŞAHİN Y., Other Supported Projects, İletken Polimerlerin Çelik ve Bakır Üzerinde Elektrokimyasal Sentezi ve Korozyon Performanslarının İncelenmesi, 2005 - 2007
  39. ŞAHİN Y., Other Supported Projects, İLETKEN POLİMERLERİN BİYOSENSÖRLERDE KULLANIMI, 2004 - 2006
  40. ŞAHİN Y., Other Supported Projects, PİROLÜN ELEKTROKİMYASAL POLİMERİZASYONU VE ORGANİK ASİT ETKİLERİNİN İNCELENMESİ, 2002 - 2003

## Awards

1. Şahin Y., Gürsu H., Gençten M., Kuluçka Patent Yıldızı - HMY Kimya ve Enerji, Yıldız Teknik Üniversitesi Teknopark, March 2017
2. Şahin Y., Gürsu H., Gençten M., Nanokompozitler Proje Pazarında Hakem Kurulu Tarafından Seçilen Proje Birincilik Ödülü, Yıldız Teknik Üniversitesi Teknopark, November 2016
3. ŞAHİN Y., Elektrokimya alanında en iyi poster, 10th Aegean Analytical Chemistry Days (AACD2016), September 2016
4. ŞAHİN Y., 2008-2009 yılları arasında en çok atf alan 25 yayın arasında bulunma ödülü, Elsevier yayınevi J. of Electroanalytical Chemistry, June 2009
5. 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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 1. A novel electrolyte additive for gel type valve regulated lead acid batteries: Sulfur doped graphene oxide**  
Mansuroglu A., GENÇTEN M., ARVAS M. B. , ŞAHİN M., Bozdogan A. E. , ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 2021 (Journal Indexed in SCI)
- 2. Voltammetric Method for Determining Ferric Ions with Quercetin**  
Olgaç N., Karakuş E., Şahin Y., Liv L.  
Electroanalysis, vol.1, pp.1-11, 2021 (Journal Indexed in SCI Expanded)
- 3. Synthesis of Phosphorus Doped Graphenes via the Yucel's Method as the Positive Electrode of a Vanadium Redox Flow Battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.6, 2021 (Journal Indexed in SCI)
- 4. Cost-effective and Facile Production of a Phosphorus-doped Graphite Electrode for the Electrochemical Determination of Pyridoxine**  
Dokur E., GÖRDÜK Ö., ŞAHİN Y.  
Electroanalysis, vol.33, pp.1657-1667, 2021 (Journal Indexed in SCI)
- 5. N-Doped Graphene Oxide as Additive for Fumed Silica Based Gel Electrolyte of Valve Regulated Lead Acid Batteries**  
Mansuroglu A., ARVAS M. B. , Kiraz C., Sayhan B., Akgumus A., GENÇTEN M., ŞAHİN M., ŞAHİN Y.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.6, 2021 (Journal Indexed in SCI)
- 6. Manipulating cell behavior on a bacterial macro-polymer poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) via tuning the S-doped graphene ratio**  
Akkurt Yıldırım M., Demirbilek M., Gürsu H., Şahin Y., Türkoğlu N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.182, pp.2076-2086, 2021 (Journal Indexed in SCI)
- 7. One-step synthesized N-doped graphene-based electrode materials for supercapacitor applications**  
Arvas M. B. , Gençten M., Şahin Y.  
IONICS, vol.27, no.5, pp.2241-2256, 2021 (Journal Indexed in SCI)
- 8. A new coumarin based Schiff base fluorescence probe for zinc ion**  
ARVAS B., Ucar B., Acar T., ARVAS M. B. , ŞAHİN Y., AYDOĞAN F., YOLAÇAN Ç.  
Tetrahedron, vol.88, 2021 (Journal Indexed in SCI)
- 9. Fabrication of high-performance symmetrical coin cell supercapacitors by using one step and green synthesis sulfur doped graphene powders**  
ARVAS M. B. , Yavuz N., GENÇTEN M., ŞAHİN Y.  
New Journal of Chemistry, vol.45, no.15, pp.6928-6939, 2021 (Journal Indexed in SCI)
- 10. Electroanalytical determination of Allura Red in beverage samples using an anodically pretreated graphite electrode**  
Uruc S., GÖRDÜK Ö., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2021 (Journal Indexed in SCI)
- 11. Preparation of different heteroatom doped graphene oxide based electrodes by electrochemical method and their supercapacitor applications**  
ARVAS M. B. , GÜRSU H., GENÇTEN M., ŞAHİN Y.  
Journal of Energy Storage, vol.35, 2021 (Journal Indexed in SCI)
- 12. A green approach to fabricate binder-free S-doped graphene oxide electrodes for vanadium redox**

## **battery**

Ersozoglu M. G. , Gürsu H., Gençten M., Sarac A. S. , Şahin Y.

International Journal of Energy Research, vol.45, no.2, pp.2126-2137, 2021 (Journal Indexed in SCI)

13. **A novel electrolytes for redox flow batteries: Cerium and chromium couples in aqueous system**  
Kocyigit N., GENÇTEN M., ŞAHİN M., ŞAHİN Y.  
International Journal of Energy Research, 2021 (Journal Indexed in SCI)
14. **Electrochemical Determination of Sunset Yellow Using an Electrochemically Prepared Graphene Oxide Modified–Pencil Graphite Electrode (EGO-PGE)**  
Tahtaisleyen S., GÖRDÜK Ö., ŞAHİN Y.  
Analytical Letters, vol.54, no.3, pp.394-416, 2021 (Journal Indexed in SCI Expanded)
15. **Electrochemical fabrication and supercapacitor performances of metallo phthalocyanine/functionalized-multiwalled carbon nanotube/polyaniline modified hybrid electrode materials**  
Gördük Ö., Gençten M., Gördük S., Şahin M., Şahin Y.  
JOURNAL OF ENERGY STORAGE, vol.33, 2021 (Journal Indexed in SCI)
16. **Differential Pulse Voltammetric (DPV) Determination of Phosphomolybdenum Complexes by a Poly(Vinyl Chloride) Coated Molybdenum Blue Modified Pencil Graphite Electrode (PVC-MB-PGE)**  
ARVAS M. B. , GÖRDÜK Ö., GENÇTEN M., ŞAHİN Y.  
Analytical Letters, vol.54, no.3, pp.492-511, 2021 (Journal Indexed in SCI Expanded)
17. **Selective Electrochemical Sensing of Riboflavin Based on Functionalized Multi-Walled Carbon Nanotube/Gold Nanoparticle/Pencil Graphite Electrode**  
Dokur E., GÖRDÜK Ö., ŞAHİN Y.  
ECS Journal of Solid State Science and Technology, vol.9, no.12, 2020 (Journal Indexed in SCI)
18. **A novel green and one-step electrochemical method for production of sulfur-doped graphene powders and their performance as an anode in Li-ion battery**  
GÜRSU H., Guner Y., Dermenci K. B. , GENÇTEN M., Savaci U., Turan S., ŞAHİN Y.  
IONICS, vol.26, no.10, pp.4909-4919, 2020 (Journal Indexed in SCI)
19. **A novel interface layer for inverted perovskite solar cells fabricated in ambient air under high humidity conditions**  
Gokdemir Choi F. P. , Moeini Alishah H., Bozar S., Doyranli C., Koyuncu S., San N., Kahveci C., Cantürk Rodop M., Arvas M. B. , Gençten M., et al.  
Solar Energy, vol.209, pp.400-407, 2020 (Journal Indexed in SCI Expanded)
20. **One-step electrochemical preparation of ternary phthalocyanine/acid-activated multiwalled carbon nanotube/polypyrrole-based electrodes and their supercapacitor applications**  
Gördük Ö., Gördük S., Gençten M., Şahin M., Şahin Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, pp.9093-9111, 2020 (Journal Indexed in SCI)
21. **Differential Pulse Voltammetric Determination of Folic Acid Using a Poly(Cystine) Modified Pencil Graphite Electrode**  
Dokur E., GÖRDÜK Ö., ŞAHİN Y.  
ANALYTICAL LETTERS, vol.53, no.13, pp.2060-2078, 2020 (Journal Indexed in SCI)
22. **Chrome and cobalt-based novel electrolyte systems for redox flow batteries**  
Kocyigit N., GENÇTEN M., ŞAHİN M., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.10, pp.8014-8023, 2020 (Journal Indexed in SCI)
23. **A critical review on progress of the electrode materials of vanadium redox flow battery**  
GENÇTEN M., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.10, pp.7903-7923, 2020 (Journal Indexed in SCI)
24. **Preparation of anatase form of TiO<sub>2</sub> thin film at room temperature by electrochemical method as an alternative electron transport layer for inverted type organic solar cells**  
Keskin A. V. , GENÇTEN M., Bozar S., ARVAS M. B. , GÜNEŞ S., ŞAHİN Y.  
Thin Solid Films, vol.706, 2020 (Journal Indexed in SCI Expanded)
25. **Electrochemical Determination of Tartrazine Using a Graphene/Poly(L-Phenylalanine) Modified**

### **Pencil Graphite Electrode**

Tahtaisleyen S., GÖRDÜK Ö., ŞAHİN Y.

ANALYTICAL LETTERS, vol.53, no.11, pp.1683-1703, 2020 (Journal Indexed in SCI)

26. **Fabrication of Tetra-Substituted Copper(II) Phthalocyanine-Graphene Modified Pencil Graphite Electrode for Amperometric Detection of Hydrogen Peroxide**  
GÖRDÜK Ö., GÖRDÜK S., ŞAHİN Y.  
ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, vol.9, no.6, 2020 (Journal Indexed in SCI)
27. **Effect of UV exposure of ITO/PEDOT:PSS substrates on the performance of inverted-type perovskite solar cells**  
Alishah H. M. , Kazici M., Ongül F., Bozar S., CANTÜRK RODOP M., Kahveci C., ARVAS M. B. , ŞAHİN Y., GENÇTEN M., KALELİ M., et al.  
Journal of Materials Science: Materials in Electronics, vol.31, no.10, pp.7968-7980, 2020 (Journal Indexed in SCI)
28. **A two-dimensional material for high capacity supercapacitors: S-doped graphene**  
Arvas M. B. , Gençten M., Şahin Y.  
International Journal of Energy Research, vol.44, no.3, pp.1624-1635, 2020 (Journal Indexed in SCI Expanded)
29. **A novel vanadium/cobalt redox couple in aqueous acidic solution for redox flow batteries**  
Kocyigit N., GENÇTEN M., ŞAHİN M., ŞAHİN Y.  
International Journal of Energy Research, vol.44, no.1, pp.411-424, 2020 (Journal Indexed in SCI)
30. **Preparation of a novel electrochemical sensor for phosphate detection based on a molybdenum blue modified poly(vinyl chloride) coated pencil graphite electrode**  
Arvas M. B. , GÖRDÜK Ö., Gençten M., Şahin Y.  
ANALYTICAL METHODS, vol.11, no.30, pp.3874-3881, 2019 (Journal Indexed in SCI)
31. **Synthesis of anatase particles via morphological control of titanium glycerolate intermediate precursor**  
Yakaboylu G. A. , Keskinbora C. O. , Sahin Y., Suvaci E.  
CRYSTENGCOMM, vol.21, pp.4250-4254, 2019 (Journal Indexed in SCI)
32. **Preparation of N-doped graphene powders by cyclic voltammetry and a potential application of them: Anode materials of Li-ion batteries**  
GÜRSU H., Güner Y., Dermenci K. B. , GENÇTEN M., Buluç A. F. , Savacı U., Turan S., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.10, pp.5346-5354, 2019 (Journal Indexed in SCI)
33. **A novel copper() phthalocyanine-modified multiwalled carbon nanotube-based electrode for sensitive electrochemical detection of bisphenol A**  
Koyun O., GÖRDÜK S., GENÇTEN M., ŞAHİN Y.  
NEW JOURNAL OF CHEMISTRY, vol.43, no.1, pp.85-92, 2019 (Journal Indexed in SCI)
34. **Zn Phthalocyanine Derivatives for Solution-Processed Small Molecule Organic Solar Cells**  
Sari F. A. , Kazici M., Harputlu E., Bozar S., Koyun O., ŞAHİN Y., Uğur N., Ince M., GÜNEŞ S.  
CHEMISTRYSELECT, vol.3, no.48, pp.13692-13699, 2018 (Journal Indexed in SCI)
35. **Cyclic voltammetric preparation of graphene-coated electrodes for positive electrode materials of vanadium redox flow battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
IONICS, vol.24, no.11, pp.3641-3654, 2018 (Journal Indexed in SCI)
36. **Electrochemically Treated Pencil Graphite Electrodes Prepared in One Step for the Electrochemical Determination of Paracetamol**  
KOYUN O. C. , GÖRDÜK S., ARVAS M. B. , ŞAHİN Y.  
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.54, no.11, pp.796-808, 2018 (Journal Indexed in SCI)
37. **A performance comparison of protective silicate-coated lead and non-coated lead electrodes in various kind electrolytes of gel valve-regulated lead-acid battery**  
Donmez K. B. , GENÇTEN M., ŞAHİN Y.  
IONICS, vol.24, no.11, pp.3655-3664, 2018 (Journal Indexed in SCI)
38. **Voltammetric determination of nitrite with gold nanoparticles/poly(methylene blue)-modified pencil graphite electrode: application in food and water samples**

- Koyun O., ŞAHİN Y.  
IONICS, vol.24, no.10, pp.3187-3197, 2018 (Journal Indexed in SCI)
39. **Preparation of N-doped graphene-based electrode via electrochemical method and its application in vanadium redox flow battery**  
Gursu H., GENÇTEN M., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.42, no.12, pp.3851-3860, 2018 (Journal Indexed in SCI)
40. **Electrochemical formation of molybdenum phosphate on a pencil graphite electrode and its potential application for the detection of phosphate ions**  
ARVAS M. B. , GÜRSU H., GENÇTEN M., ŞAHİN Y.  
ANALYTICAL METHODS, vol.10, no.35, pp.4282-4291, 2018 (Journal Indexed in SCI)
41. **Novel chlorine doped graphene electrodes for positive electrodes of a vanadium redox flow battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.42, no.10, pp.3303-3314, 2018 (Journal Indexed in SCI)
42. **One-step potentiostatic co-deposition and electrochemical studies of poly(1-pyrenyl)-2,5-di(2-thienyl)pyrrole-co-pyrrole) film for electrochemical supercapacitors**  
Görçay H., ÇELİK İ., ŞAHİN Y.  
TURKISH JOURNAL OF CHEMISTRY, no.1, pp.1-11, 2018 (Journal Indexed in SCI Expanded)
43. **Biocompatibility of designed MicNo-ZnO particles: Cytotoxicity, genotoxicity and phototoxicity in human skin keratinocyte cells**  
Genc H., Barutca B., Koparal A. T. , Ozogut U., Sahin Y., Suvaci E.  
TOXICOLOGY IN VITRO, vol.47, pp.238-248, 2018 (Journal Indexed in SCI)
44. **Poly(L-Cysteine) Modified Pencil Graphite Electrode for Determination of Sunset Yellow in Food and Beverage Samples by Differential Pulse Voltammetry**  
Koyun O., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.13, no.1, pp.159-174, 2018 (Journal Indexed in SCI)
45. **Preparation of Sulphur-Doped Graphene-Based Electrodes by Cyclic Voltammetry: A Potential Application for Vanadium Redox Flow Battery**  
GÜRSU H., Gencten M., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.13, no.1, pp.875-885, 2018 (Journal Indexed in SCI)
46. **Direct, one-step synthesis of molybdenum blue using an electrochemical method, and characterization studies**  
Koyun O., GÖRDÜK S., ARVAS M. B. , ŞAHİN Y.  
SYNTHETIC METALS, vol.233, pp.111-118, 2017 (Journal Indexed in SCI)
47. **Anti-precipitation effects of TiO<sub>2</sub> and TiOSO<sub>4</sub> on positive electrolyte of vanadium redox battery**  
Gencten M., GÜRSU H., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.40, pp.25608-25618, 2017 (Journal Indexed in SCI)
48. **Effect of alpha- and gamma-alumina on the precipitation of positive electrolyte in vanadium redox battery**  
Gencten M., GÜRSU H., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.40, pp.25598-25607, 2017 (Journal Indexed in SCI)
49. **Preparation of electrochemically treated nanoporous pencil-graphite electrodes for the simultaneous determination of Pb and Cd in water samples**  
DÖNMEZ K. B. , CETINKAYA E., DEVECİ S., KARADAG S., ŞAHİN Y., DOĞU M.  
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.409, no.20, pp.4827-4837, 2017 (Journal Indexed in SCI)
50. **A novel polysiloxane-based polymer as a gel agent for gel-VRLA batteries**  
DONMEZ K. B. , Gencten M., ŞAHİN Y.  
IONICS, vol.23, no.8, pp.2077-2089, 2017 (Journal Indexed in SCI)
51. **One-step electrochemical preparation of graphene-coated pencil graphite electrodes by cyclic voltammetry and their application in vanadium redox batteries**

- GÜRSU H., Gencten M., Sahin Y.  
ELECTROCHIMICA ACTA, vol.243, pp.239-249, 2017 (Journal Indexed in SCI)
52. **Highly Sensitive Electrochemical Determination of Dopamine with an Overoxidized Polypyrrole Nanofiber Pencil Graphite Electrode**  
Koyun O., GÜRSU H., GÖRDÜK S., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.12, no.7, pp.6428-6444, 2017 (Journal Indexed in SCI)
53. **Electrochemical investigation of the effects of V(V) and sulfuric acid concentrations on positive electrolyte for vanadium redox flow battery**  
Gencten M., GÜRSU H., ŞAHİN Y.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.23, pp.9868-9875, 2016 (Journal Indexed in SCI)
54. **Highly Sensitive Electrochemical Determination of Acetaminophen in Pharmaceuticals by Poly[2, 5-di(2-Thiophenyl)-1-p-(Tolyl) Pyrrole] Modified Pencil Graphite Electrode**  
Gorçay H., Celik I., Yurdakul E., ŞAHİN Y., Kokten S.  
IEEE SENSORS JOURNAL, vol.16, no.9, pp.2914-2921, 2016 (Journal Indexed in SCI)
55. **Electrochemical synthesis, characterization and capacitive properties of novel thiophene based conjugated polymer**  
Çelik B., Çelik İ., Dolaş İ., Görçay H., ŞAHİN Y., Saraç S., Pekmez K.  
REACTIVE & FUNCTIONAL POLYMERS, vol.83, pp.107-112, 2014 (Journal Indexed in SCI)
56. **Voltammetric and electrochemical impedimetric behavior of silica-based gel electrolyte for valve-regulated lead-acid battery**  
Gencten M., Donmez K. B. , Şahin Y., Pekmez K., Suvaci E.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.18, pp.2469-2479, 2014 (Journal Indexed in SCI)
57. **Electrochemical Determination of Paracetamol by a Novel Derivative of Formazan Modified Pencil Graphite Electrode**  
Görçay H., Türkoğlu G., ŞAHİN Y., Berber H.  
IEEE SENSORS JOURNAL, vol.14, no.8, pp.2529-2536, 2014 (Journal Indexed in SCI)
58. **Complete removal of the insecticide azinphos-methyl from water by the electro-Fenton method - A kinetic and mechanistic study**  
Ozcan A., Sahin Y., Oturan M. A.  
WATER RESEARCH, vol.47, no.3, pp.1470-1479, 2013 (Journal Indexed in SCI)
59. **A novel approach for the selective determination of tryptophan in blood serum in the presence of tyrosine based on the electrochemical reduction of oxidation product of tryptophan formed in situ on graphite electrode**  
Ozcan A., ŞAHİN Y.  
BIOSENSORS & BIOELECTRONICS, vol.31, no.1, pp.26-31, 2012 (Journal Indexed in SCI)
60. **Determination of Sulfamethoxazole in Pharmaceutical Formulations by Flow Injection System/HPLC with Potentiometric Detection using Polypyrrole Electrode**  
Ozkorucuklu S. P. , Sahin Y., Alsancak G.  
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, vol.22, no.11, pp.2171-2177, 2011 (Journal Indexed in SCI)
61. **Determination of Oxalate Ion In Bayer Liquor Using Electrochemical Method**  
Turhan S., Usta B., ŞAHİN Y., uysal O.  
Light Metals, pp.215-217, 2011 (Journal Indexed in SCI)
62. **A novel approach for the determination of paracetamol based on the reduction of N-acetyl-p-benzoquinoneimine formed on the electrochemically treated pencil graphite electrode**  
Ozcan A., Sahin Y.  
ANALYTICA CHIMICA ACTA, vol.685, no.1, pp.9-14, 2011 (Journal Indexed in SCI)
63. **Electroanalytical Determination of Some Sulfonamides on Overoxidized Polypyrrole Electrodes**  
Ozkorucuklu S. P. , Ozcan L., Sahin Y., Alsancak G.  
AUSTRALIAN JOURNAL OF CHEMISTRY, vol.64, no.7, pp.965-972, 2011 (Journal Indexed in SCI)
64. **Preparation of selective and sensitive electrochemically treated pencil graphite electrodes for the**



**determination of uric acid in urine and blood serum**

Özcan A., ŞAHİN Y.

BIOSENSORS & BIOELECTRONICS, vol.25, no.11, pp.2497-2502, 2010 (Journal Indexed in SCI)

65. **The Substituent Effects on the Structure and Surface Morphology of Polyaniline**

Sahin M., Ozcan L., Ozcan A., Usta B., Sahin Y., PEKMEZ K.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.115, no.5, pp.3024-3030, 2010 (Journal Indexed in SCI)

66. **Electro-Fenton treatment of aqueous Clopyralid solutions**

Özcan A., Oturan N., ŞAHİN Y., Oturan M. A.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.90, pp.478-486, 2010 (Journal Indexed in SCI)

67. **Selective and Sensitive Voltammetric Determination of Dopamine in Blood by Electrochemically Treated Pencil Graphite Electrodes**

Özcan A., ŞAHİN Y.

ELECTROANALYSIS, vol.21, no.21, pp.2363-2370, 2009 (Journal Indexed in SCI)

68. **Removal of calcium and magnesium using polyaniline and derivatives modified PVDF cation-exchange membranes by Donnan dialysis**

Sahin M., Gorcay H., Kir E., Sahin Y.

REACTIVE & FUNCTIONAL POLYMERS, vol.69, no.9, pp.673-680, 2009 (Journal Indexed in SCI)

69. **Electro-Fenton removal of the cationic dye basic blue 3 by using carbon felt cathode**

Özcan A., ŞAHİN Y., Koparal S., Oturan M. A.

ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.19, no.5, pp.267-275, 2009 (Journal Indexed in SCI)

70. **Determination of ascorbic acid by polypyrrole potentiometric detector in ion chromatography**

Sahin M., Ozcan L., Usta B., Sahin Y.

BIOSENSORS & BIOELECTRONICS, vol.24, no.12, pp.3492-3497, 2009 (Journal Indexed in SCI)

71. **A comparative study on the efficiency of electro-Fenton process in the removal of protham from water**

Özcan A., ŞAHİN Y., Koparal S., Oturan M. A.

APPLIED CATALYSIS B-ENVIRONMENTAL, vol.89, pp.620-626, 2009 (Journal Indexed in SCI)

72. **Electrochemical synthesis and characterization of a new soluble conducting polymer**

Udum Y., Ergün Y., ŞAHİN Y., Pekmez K., Yıldız A.

JOURNAL OF MATERIALS SCIENCE, vol.44, no.12, pp.3148-3155, 2009 (Journal Indexed in SCI)

73. **Removal of Acid Orange 7 from water by electrochemically generated Fenton's reagent**

Oezcan A., Oturan M. A., Oturan N., ŞAHİN Y.

JOURNAL OF HAZARDOUS MATERIALS, vol.163, pp.1213-1220, 2009 (Journal Indexed in SCI)

74. **Voltammetric Behaviour of Sulfamethoxazole on Electropolymerized-Molecularly Imprinted Overoxidized Polypyrrole**

Oezkorucuklu S. P., ŞAHİN Y., Alsancak G.

SENSORS, vol.8, no.12, pp.8463-8478, 2008 (Journal Indexed in SCI)

75. **Non-enzymatic glucose biosensor based on overoxidized polypyrrole nanofiber electrode modified with cobalt(II) phthalocyanine tetrasulfonate**

Ozcan L., ŞAHİN Y., Turk H.

BIOSENSORS & BIOELECTRONICS, vol.24, no.4, pp.512-517, 2008 (Journal Indexed in SCI)

76. **A spectroelectrochemical study on single-oscillator model and optical constants of sulfonated polyaniline film**

Çağlar M., Ilıcan S., Çağlar Y., ŞAHİN Y., Yakuphanoglu F., Huer D.

Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.71, no.2, pp.621-627, 2008 (Journal Indexed in SCI Expanded)

77. **Removal of protham from water by using electro-Fenton technology: Kinetics and mechanism**

Özcan A., ŞAHİN Y., Oturan M. A.

CHEMOSPHERE, vol.73, no.5, pp.737-744, 2008 (Journal Indexed in SCI)

78. **Electrochemical preparation of a molecularly imprinted polypyrrole-modified pencil graphite electrode for determination of ascorbic acid**  
Oezcan L., Sahin M., Sahin Y.  
SENSORS, vol.8, no.9, pp.5792-5805, 2008 (Journal Indexed in SCI)
79. **Ion chromatography-potentiometric detection of inorganic anions and cations using polypyrrole and overoxidized polypyrrole electrode**  
Sahin M., Sahin Y., Oezcan A.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.133, no.1, pp.5-14, 2008 (Journal Indexed in SCI)
80. **Solid-phase microextraction and ion chromatographic analysis of anions based on polypyrrole electrode**  
Ahin Y., Ercan B., Sahin M.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.108, no.5, pp.3298-3304, 2008 (Journal Indexed in SCI)
81. **Propham mineralization in aqueous medium by anodic oxidation using boron-doped diamond anode: Influence of experimental parameters on degradation kinetics and mineralization efficiency**  
Oezcan A., ŞAHİN Y., Koparal S., Oturan M. A.  
WATER RESEARCH, vol.42, no.12, pp.2889-2898, 2008 (Journal Indexed in SCI)
82. **Carbon sponge as a new cathode material for the electro-Fenton process: Comparison with carbon felt cathode and application to degradation of synthetic dye basic blue 3 in aqueous medium**  
Özcan A., ŞAHİN Y., Koparal S., Oturan M. A.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.616, pp.71-78, 2008 (Journal Indexed in SCI)
83. **Degradation of picloram by the electro-Fenton process**  
Özcan A., ŞAHİN Y., Koparal S., Oturan M. A.  
JOURNAL OF HAZARDOUS MATERIALS, vol.153, pp.718-727, 2008 (Journal Indexed in SCI)
84. **In situ electrochemical solid-phase extraction of anions and cations using polypyrrole and overoxidized sulfonated polypyrrole**  
Sahin Y., Ercan B., Sahin M.  
TALANTA, vol.75, no.2, pp.369-375, 2008 (Journal Indexed in SCI)
85. **Determination of paracetamol based on electropolymerized-molecularly imprinted polypyrrole modified pencil graphite electrode**  
Oezcan L., Sahin Y.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.127, no.2, pp.362-369, 2007 (Journal Indexed in SCI)
86. **Electrochemical oxidation of ds-DNA on polypyrrole nanofiber modified pencil graphite electrode**  
Oezcan A., ŞAHİN Y., Oezsoez M., Turan S.  
ELECTROANALYSIS, vol.19, no.21, pp.2208-2216, 2007 (Journal Indexed in SCI)
87. **Anti-corrosive properties of polyaniline, poly(2-toluidine), and poly(aniline-co-2-toluidine) coatings on stainless steel**  
Hur E., Bereket G., Sahin Y.  
CURRENT APPLIED PHYSICS, vol.7, no.6, pp.597-604, 2007 (Journal Indexed in SCI)
88. **Synthesis, structural and optical properties of novel borylated Cu(II) and Co(II) metal complexes of 4-benzylaminobiphenylglyoxime**  
Karipcin F., Ilican S., Caglar Y., Caglar M., DEDE B., Şahin Y.  
Journal of Organometallic Chemistry, vol.692, no.12, pp.2473-2481, 2007 (Journal Indexed in SCI)
89. **A new dioxime ligand and its trinuclear copper(II) complex: Synthesis, characterization and optical properties**  
Karipcin F., Dede B., Caglar Y., Hur D., Ilican S., Caglar M., Sahin Y.  
OPTICS COMMUNICATIONS, vol.272, no.1, pp.131-137, 2007 (Journal Indexed in SCI)
90. **Corrosion performance of self-doped sulfonated polypyrrole**  
Hur E., Bereket G., Sahin Y.  
MATERIALS CHEMISTRY AND PHYSICS, vol.100, no.1, pp.19-25, 2006 (Journal Indexed in SCI)
91. **Corrosion inhibition of stainless steel by polyaniline, poly(2-chloroaniline), and poly(aniline-co-2-chloroaniline) in HCl**

- Hür E., Bereket G., Şahin Y.  
Progress in Organic Coatings, vol.57, no.2, pp.149-158, 2006 (Journal Indexed in SCI Expanded)
92. **Copper(I/II) complexes of a bis(tetrathiafulvalene)-2,2'-bipyridine: synthesis, characterization, magnetic and electrochemical properties**  
Devic T., Rondeau D., Sahin Y., Levillain E., Clerac R., Batail P., Avarvari N.  
DALTON TRANSACTIONS, no.10, pp.1331-1337, 2006 (Journal Indexed in SCI)
93. **Electrodeposition of polyaniline, poly(2-iodoaniline), and poly(aniline-co-2-iodoaniline) on steel surfaces and corrosion protection of steel**  
Bereket G., Hur E., ŞAHİN Y.  
APPLIED SURFACE SCIENCE, vol.252, no.5, pp.1233-1244, 2005 (Journal Indexed in SCI)
94. **Electrochemical synthesis and anti-corrosive properties of polyaniline, poly(2-anisidine), and poly(aniline-co-2-anisidine) films on stainless steel**  
Bereket G., Hür E., Şahin Y.  
Progress in Organic Coatings, vol.54, no.1, pp.63-72, 2005 (Journal Indexed in SCI Expanded)
95. **Electrochemically controlled solid-phase microextraction (EC-SPME) based on overoxidized sulfonated polypyrrole**  
Tamer U., Ertaş N., Udum Y., ŞAHİN Y., Pekmez K., Yıldız A.  
TALANTA, vol.67, no.1, pp.245-251, 2005 (Journal Indexed in SCI)
96. **Development of air stable polymer solar cells using an inverted gold on top anode structure**  
ŞAHİN Y., Alem S., de Bettignies R., Nunzi J. M.  
THIN SOLID FILMS, vol.476, no.2, pp.340-343, 2005 (Journal Indexed in SCI)
97. **Preparation of sulfonated overoxidized polypyrrole film applicable as an SPME tool for cationic analytes**  
Ugur T., Yucel S., Nusret E., Yasemin U., Kadir P., Attila Y.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.570, no.1, pp.6-12, 2004 (Journal Indexed in SCI)
98. **Electrochemical synthesis of sulfonated polypyrrole in FSO<sub>3</sub>H/acetonitrile solution**  
ŞAHİN Y., Aydın A., Udum Y., Pekmez K., Yıldız A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.93, no.2, pp.526-533, 2004 (Journal Indexed in SCI)
99. **Oligomeric tetrathiafulvalenes: A new route toward conjugated TTF dimers and trimers**  
Gautier N., Samuel R., ŞAHİN Y., Levillain E., Leroy-Lhez S., Hudhomme P.  
ORGANIC LETTERS, vol.6, no.10, pp.1569-1572, 2004 (Journal Indexed in SCI)
100. **Novel Fused D-A Dyad and A-D-A Triad Incorporating Tetrathiafulvalene and p-Benzoquinone**  
Dumur F., Gautier N., Gallego-Planas N., Şahin Y., Levillain E., Mercier N., Hudhomme P., Masino M., Girlando A., Lloveras V., et al.  
Journal of Organic Chemistry, vol.69, no.6, pp.2164-2177, 2004 (Journal Indexed in SCI)
101. **Electrochemistry coupled to fluorescence spectroscopy: a new versatile approach**  
Dias M., Hudhomme P., Levillain E., Perrin L., ŞAHİN Y., Sauvage F., Wartelle C.  
ELECTROCHEMISTRY COMMUNICATIONS, vol.6, no.3, pp.325-330, 2004 (Journal Indexed in SCI)
102. **Electrochemical polymerization of fluoro- and chloro-substituted anilines and copolymers with aniline**  
Sahin Y., PERCİN S., Sahin M., OZKAN G.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.91, no.4, pp.2302-2312, 2004 (Journal Indexed in SCI)
103. **Synthesis and non-linear optical properties of monopyrrolotetrathiafulvalene derived donor-pi-acceptor dyads**  
Hansen J., Becher J., Jeppesen J., Levillain E., Nielsen M., Petersen B., Petersen J., ŞAHİN Y.  
JOURNAL OF MATERIALS CHEMISTRY, vol.14, no.2, pp.179-184, 2004 (Journal Indexed in SCI)
104. **Electrochemical preparation of poly(2-bromoaniline) and poly(aniline-co-2-bromoaniline) in acetonitrile**  
Şahin Y., Perçin S., Şahin M., Özkan G.  
Journal of Applied Polymer Science, vol.90, no.9, pp.2460-2468, 2003 (Journal Indexed in SCI Expanded)
105. **Electrochemical preparation of soluble sulfonated polymers and aniline copolymers of aniline**

### **sulfonic acids in dimethylsulfoxide**

ŞAHİN Y., Pekmez K., Yıldız A.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.90, no.8, pp.2163-2169, 2003 (Journal Indexed in SCI)

106. **Electrochemical synthesis of poly(2-iodoaniline) and poly(aniline-co-2-iodoaniline) in acetonitrile**

ŞAHİN Y., Percin S., Alsancak G.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.89, no.6, pp.1652-1658, 2003 (Journal Indexed in SCI)

107. **Electropolymerization and in situ sulfonation of aniline in water-acetonitrile mixture containing FSO<sub>3</sub>H**

ŞAHİN Y., Pekmez K., Yıldız A.

SYNTHETIC METALS, vol.131, pp.7-14, 2002 (Journal Indexed in SCI)

108. **Electrochemical copolymerization of aniline and anilinesulfonic acids in FSO<sub>3</sub>H/acetonitrile solution**

ŞAHİN Y., Pekmez K., Yıldız A.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.85, no.6, pp.1227-1235, 2002 (Journal Indexed in SCI)

109. **Electrochemical polymerization of acetylene with copper catalyst on platinum and copper electrodes**

ŞAHİN Y., Pekmez K., Yıldız A.

SYNTHETIC METALS, vol.129, no.2, pp.117-121, 2002 (Journal Indexed in SCI)

110. **Electrochemical synthesis of self-doped polyaniline in fluorosulfonic acid/acetonitrile solution**

ŞAHİN Y., Pekmez K., Yıldız A.

SYNTHETIC METALS, vol.129, no.2, pp.107-115, 2002 (Journal Indexed in SCI)

### **Articles Published in Other Journals**

1. **A NOVEL GEL ELECTROLYTE FOR VALVE-REGULATED LEAD ACID BATTERY**

GENÇTEN M., DÖNMEZ K. B. , ŞAHİN Y.

ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A - Applied Sciences and Engineering, vol.18, pp.146-160, 2017 (Refereed Journals of Other Institutions)

2. **Investigation of the temperature effect on electrochemical behaviors of TiO<sub>2</sub> for gel type valve regulated lead-acid batteries**

GENÇTEN M., DÖNMEZ K. B. , ŞAHİN Y.

ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A - Applied Sciences and Engineering, vol.17, pp.882-894, 2016 (Refereed Journals of Other Institutions)

3. **Polipirolün yüksek performanslı sıvı kromatografide potansiyometrik dedektör olarak kullanımı**

Percin Özkorucuklu S., ŞAHİN Y., Alsancak G.

SDU Journal of Science, vol.6, no.2, pp.127-139, 2011 (National Non-Refereed Journal)

### **Books & Book Chapters**

1. **Acid Cleaning Of Titanium Based Scales Formed On Preheaters In The Bayer Process**

ŞAHİN Y.

in: Light Metals, Suarez C., Editor, John John Wiley & Sons, West Sussex, Uk, Texas, pp.225-228, 2012

2. **"Kromatografik Sistemler", Ünite 9: İyon Kromatografisi**

Şahin Y.

Anadolu Üniversitesi, Eskişehir, 2011

3. **Determination of Oxalate Ion in Bayer Liquor Using Electrochemical Method**

Şahin Y., Turhan S., Usta B., Uysal O.

Springer, London/Berlin , California, 2011

4. **"Endüstriyel Kimya", Ünite 1: Kimya Endüstrisi**

Şahin Y.

Anadolu Üniversitesi , Eskişehir, 2010

5. **Endüstriyel Kimya**  
Şahin Y. (Editor)  
Anadolu Üniversitesi, Eskişehir, 2010
6. **"Analitik Kimya", Ünite 11: Elektroanalitik Kimyada Temel Kavramlar ve Uygulamalar**  
Şahin Y.  
Anadolu Üniversitesi , Eskişehir, 2009
7. **"Kimya Laboratuvarı Teknikleri", Ünite 7: Elektrokimya**  
Şahin Y.  
Anadolu Üniversitesi , Eskişehir, 2009
8. **"Analitik Kimya Laboratuvarı", Ünite 2: Katyonların Sistematik Analizi**  
Şahin Y.  
Anadolu Üniversitesi , Eskişehir, 2009
9. **Yakıtlar ve Enerji Kaynakları**  
ŞAHİN M.  
in: Endüstriyel Kimya, Yücel ŞAHİN, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.60-80, 2009

### Refereed Congress / Symposium Publications in Proceedings

1. **Electrochemical determination of riboflavin based on functionalized multi-walled carbon nanotube/gold nanoparticle/pencil graphite electrode**  
Dokur E., Gördük Ö., Şahin Y.  
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020, pp.836
2. **Voltammetric determination of pyridoxine using electrochemically pretreated electrode**  
Dokur E., Gördük Ö., Şahin Y.  
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020, pp.847
3. **One-step electrochemical fabrication of modified electrode for detection of L-tyrosine**  
Serbest Z., Gördük Ö., Şahin Y.  
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020, pp.874
4. **Electrochemical determination of food colorant allura red using pretreated pencil graphite electrode by differential pulse voltammetry**  
Uruc S., Gördük Ö., Şahin Y.  
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020, pp.1
5. **An electrochemical sensor platform based on graphene oxide modified pencil graphite electrode for the voltammetric determination of food colorant sunset yellow**  
Uruc S., Gördük Ö., Şahin Y.  
International Eurasian Conference on Biotechnology and Biochemistry, Ankara, Turkey, 16 - 18 December 2020, pp.1
6. **Development of Electrochemical Sensor for Determination of Bisphenol A**  
Süerkan S., Atılğan S., Elgin F., Gördük Ö., İzmirlioğlu B., Şahin Y.  
34th Şişecam International Glass Conference, İstanbul, Turkey, 21 - 22 November 2019, vol.1, no.1, pp.152
7. **A Novel Electrochemical Approach for the Preparation of Nitrogen Doped Graphene**  
Gürsu H., Gençten M., Şahin Y.  
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2019, İstanbul, Turkey, 31 October - 01 November 2019, pp.280
8. **Kükürt ve Kalay Katkılı Grafen Esaslı Elektrot ile Elektrokimyasal Karbondioksit İndirgenmesi**  
Karataş Özkaraca E. B. , Gençten M., Şahin Y.

31. Ulusal Kimya Kongresi, İstanbul, Turkey, 11 - 13 September 2019, pp.208
9. **Farklı Derişimlerdeki Vanadyum(III) Çözeltisinin Asidik Ortamda Elektrokimyasal Davranışlarının İncelenmesi**  
Koçyiğit N., Gençten M., Şahin M., Şahin Y.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 11 - 13 September 2019, pp.169
10. **Bakır Katkılı Grafen Elektrot ile Elektrokimyasal CO<sub>2</sub> İndirgenmesi**  
Karataş Özkaraca E. B. , Gençten M., Şahin Y.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 11 - 13 September 2019, pp.322
11. **Titanyum(IV)oksitin Elektrokimyasal Olarak Üretilmesi ve Bazı Elektrokimyasal Özelliklerinin İncelenmesi**  
Keskin A. V. , Gençten M., Güneş S., Şahin Y.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 11 - 13 September 2019, pp.331
12. **Karbon Esaslı Elektrot ile Folik Asitin Elektrokimyasal Olarak Belirlenmesi**  
Dokur E., Gördük Ö., Şahin Y.  
31. Ulusal kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, no.1, pp.335
13. **Tartrazinin Elektrokimyasal Tayinine Yönelik Grafen Esaslı Elektrot Geliştirilmesi**  
Tahtaişleyen S., Gördük Ö., Şahin Y.  
31. Ulusal kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, no.1, pp.334
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Demir Z., Gördük Ö., Şahin Y.  
31. Ulusal kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, no.1, pp.210
15. **Electrochemical Preparation of Sulphur-Doped Graphene Oxide Electrodes and Their Vanadium Redox Battery Application**  
Ersözoğlu M. G. , Gürsu H., Gençten M., Şahin Y.  
World Energy Strategies Congress and Exhibition 2019 (WESCE'19), İstanbul, Turkey, 26 - 28 August 2019, pp.1
16. **Electrochemical Behaviour of Graphite Based Electrode in Co(II)/Cr(III) Based Redox Flow Battery**  
Gençten M., Koçyiğit N., Şahin M., Şahin Y.  
World Energy Strategies Congress and Exhibition 2019 (WESCE'19), İstanbul, Turkey, 26 - 28 August 2019, pp.1
17. **Graphene Oxide as an Additive for Gel Electrolyte Systems of Valve Regulated Lead Acid Batteries**  
Mansuroğlu A., Kiraz C., Sayhan B., Akgümüş A., Arvas M. B. , Gençten M., Şahin M., Şahin Y.  
World Energy Strategies Congress and Exhibition 2019 (WESCE'19), İstanbul, Turkey, 26 - 28 August 2019, pp.1
18. **GRAPHENE OXIDE AS AN ADDITIVE FOR GEL ELECTROLYTE SYSTEMS OF VALVE REGULATED LEAD ACID BATTERIES**  
Mansuroğlu A., Kiraz C., Arvas M. B. , Akgümüş A., Arvas M. B. , Gençten M., Şahin Y.  
World Energy Strategies Congress and Exhibition 2019, İstanbul, Turkey, 26 - 28 August 2019, pp.156
19. **N-Doped Graphene Based Electrodes for Supercapacitor Applications**  
Arvas M. B. , Gençten M., Şahin Y.  
World Energy Strategies Congress and Exhibition 2019 (WESCE'19), İstanbul, Turkey, 26 - 28 August 2019, pp.1
20. **N DOPED GRAPHENE BASED ELECTRODES FOR SUPERCAPACITOR APPLICATIONS**  
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World Energy Strategies Congress and Exhibition, İstanbul, Turkey, 26 - 28 August 2019, pp.157
21. **Graphene Based Electrodes for Iron Redox Flow Batteries**  
ÖZKURT BAŞ S. S. , GENÇTEN M., ŞAHİN Y.  
International Workshop on Energetic Materials, İstanbul, Turkey, 18 October 2018, pp.1
22. **Preparation of Vanadium Doped Conducting Polymers by Chemical Methods**  
OK B., MERSİN A. E. , ARVAS M. B. , GENÇTEN M., ŞAHİN Y.  
14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 22 September 2018, pp.1
23. **Corrosion Behaviors of Lead Electrodes in Non-gelled and Gelled Electrolyte of a Valve-Regulated Lead Acid Battery**  
ÇETİNBAG A., ARVAS M. B. , GENÇTEN M., ŞAHİN Y.  
14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 22 September 2018, pp.1

24. **A Novel Electrochemical Approach for Synthesis of Molybdenum Blue**  
Koyun Ö., Gördük S., Arvas M. B. , Şahin Y.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 April 2018, vol.1, no.1, pp.6
25. **Electrochemical Determination of Folic Acid by Using of Polypyrrole Based Modified Electrode**  
ARVAS M. B. , GENÇTEN M., ŞAHİN Y.  
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, vol.1, pp.121
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8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, vol.1, pp.122
27. **Organic Based Additives for Vanadium Redox Battery Systems**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY (8th BBCAC), İstanbul, Turkey, 09 May 2018, pp.1
28. **Boehmite as Inorganic Additive for Positive Electrolyte of Vanadium Redox Battery**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY (8th BBCAC), İstanbul, Turkey, 09 May 2018, pp.1
29. **Poly(L-Cysteine) Modified Pencil Graphite Electrode for Determination of Sunset Yellow in Food and Beverage Samples by Differential Pulse Voltammetry**  
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8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, vol.1, pp.1
30. **Voltammetric Determination of Nitrite with Gold Nanoparticles/Poly(Methylene Blue) Modified Pencil Graphite Electrode: Application in Food and Water Samples**  
KOYUN Ö., ŞAHİN Y.  
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, vol.1, pp.1
31. **Poly(3,4-ethylenedioxythiophene) Modified Multiwalled Carbon Nanotube-Based Electrode for Electrochemical Determination of Ascorbic Acid**  
KOYUN Ö., ŞAHİN Y.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 April 2018, vol.1, no.1, pp.25
32. **Electrochemically modified graphite based electrodes at constant potential for positive electrolyte of vanadium redox battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), Nevşehir, Turkey, 26 - 28 September 2017
33. **Investigation of over oxidized graphite based electrodes for vanadium redox battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), Nevşehir, Turkey, 26 - 28 September 2017
34. **A novel inorganic additive for vanadium redox flow battery**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), Nevşehir, Turkey, 26 - 28 September 2017
35. **Synthesis of polypyrrole modified graphite based electrodes for vanadium redox battery**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), Nevşehir, Turkey, 26 - 28 September 2017
36. **The effects of boroxide on the electrochemical behaviors of a VRB**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.

2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), Nevşehir, Turkey, 26 - 28 September 2017

37. **Electrochemical investigation the effects of an organic solvent on a VRB**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
2nd International Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), 26 - 28 September 2017
38. **Bazı Metallerin Farklı Destek Elektrolit Ortamlarında Elektrokimyasal Özelliklerinin İncelenmesi**  
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8. Ulusal Kimya Öğrenci Kongresi, İstanbul, Turkey, 16 May 2017, pp.33
39. **Altın Nanopartikül Modifiye Elektrot ile Nitritin Elektrokimyasal Olarak Belirlenmesi**  
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8. Ulusal Kimya Öğrenci Kongresi, İstanbul, Turkey, 16 May 2017, pp.34
40. **Differential Pulse Voltammetric Determination of Nitrite with a Gold Nanoparticle Pencil Graphite Electrode**  
KOYUN Ö., ŞAHİN Y.  
1th International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 April 2017, pp.321
41. **Synthesis, Characterization and Electrochemical Behaviour of Novel Tetra Substituted Phthalocyanine**  
Gördük S., Koyun Ö., Şahin Y., Avcıata O.  
19. JCF-FRÜHJAHRSYMPIUM, Mainz, Germany, 29 March - 01 April 2017, pp.218
42. **Highly Selective Electrochemical Determination of Dopamine with an Overoxidized Polypyrrole Nanofiber Pencil Graphite Electrode**  
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19. JCF-Frühjahrssymposium, Mainz, Germany, 29 March - 01 April 2017, pp.172
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19. JCF-Frühjahrssymposium, Mainz, Germany, 29 March - 01 April 2017, pp.172
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4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 March 2016, pp.1
45. **The Protective Silicate Film on Positive and Negative Electrodes For Gel Valve Regulated Lead Acid Battery**  
DÖNMEZ K. B. , GENÇTEN M., ŞAHİN Y.  
10th Aegean Analytical Chemistry Days (AACD 2016), 29 September - 02 October 2016
46. **The Protective Silicate Film on Positive and Negative Electrodes For Gel Valve Regulated Lead Acid Battery**  
Dönmez K. B. , Gençten M., Şahin Y.  
10th Aegean Analytical Chemistry Days (AACD 2016), Çanakkale, Turkey, 29 September - 02 October 2016, pp.1
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48. **THE EFFECT OF ALUMINA ON THE POSITIVE ELECTROLYTE FOR VANADIUM REDOX FLOW BATTERY**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
9th International Conference on Sustainable Energy & Environmental Protection (SEEP-2016), Kayseri, Turkey, 22 - 25 September 2016, pp.61-65
49. **THE EFFECTS OF TITANIUM IV OXIDE ON THE ELECTROCHEMICAL BEHAVIORS OF POSITIVE ELECTROLYTE FOR VANADIUM REDOX FLOW BATTERY**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
9th International Conference on Sustainable Energy & Environmental Protection (SEEP-2016), Kayseri, Turkey, 22 September - 25 October 2016, pp.66-70



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KOYUN Ö., GÖRDÜK S., arvas m. b. , ŞAHİN Y., AVCIATA U.  
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 - 26 August 2016, pp.204
51. **A Novel Poly Siloxane Based Polymer as Gel Agent for VRLA Batteries.**  
Dönmez K. B. , Gençten M., Şahin Y.  
10th Aegean Analytical Chemistry Days (AACD 2016), Çanakkale, Turkey, 29 September - 02 October 2016, pp.1
52. **Electrochemical Investigation The Effect Of L Lysine for Positive Electrolytes of Vanadium Redox Flow Batteries**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
12th Nanoscience and Nanotechnology Conference (NanoTR-12), 3 - 05 June 2016
53. **A Novel Organic Additive Threonine For Positive Electrolyte Of Vanadium Redox Flow Battery**  
GENÇTEN M., GÜRSU H., ŞAHİN Y.  
12th Nanoscience and Nanotechnology Conference (NanoTR-12), Kocaeli, Turkey, 3 - 05 June 2016
54. **Karbon Esaslı Elektrot ile Askorbik Asit ve Kafein Varlığında Parasetamol Tayini**  
KOYUN Ö., GÖRDÜK S., ŞAHİN Y.  
IV. ULUSAL UYGULAMALI ELEKTROKİMYA LİSANSÜSTÜ YAZ OKULU VE ÇALIŞTAYI, Manisa, Turkey, 24 - 27 May 2016, pp.412
55. **Farklı Süstitüe Kobalt Ftalosiyanın Türevlerinin Elektrokimyasal Davranışlarının İncelenmesi**  
GÖRDÜK S., KOYUN Ö., ŞAHİN Y., AVCIATA U.  
IV. ULUSAL UYGULAMALI ELEKTROKİMYA LİSANSÜSTÜ YAZ OKULA VE ÇALIŞTAYI, Manisa, Turkey, 24 May 2016, pp.420
56. **Ftalosiyanın Bileşiklerinin Elektrokimyasal Davranışlarının İncelenmesi**  
GÖRDÜK S., KOYUN Ö., ŞAHİN Y., AVCIATA U.  
IV. Ulusal Uygulamalı Elektrokimya Lisansüstü Yaz Okulu ve Çalıştayı, Manisa, Turkey, 24 - 27 May 2016, pp.420
57. **Voltammetric Determination of Pesticides by Using Carbon-Based Electrode**  
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18. JCF-Frühjahrssymposium, Kiel, Germany, 16 March 2016, pp.130
58. **THE ELECTROCHEMICAL EFFECTS OF TiO<sub>2</sub> AS ADDITIVE FOR FUMED SILICA BASED GEL ELECTROLYTE**  
GENÇTEN M., DÖNMEZ K. B. , ŞAHİN Y., SUVACI E., PEKMEZ K.  
Electrochemistry 2014, Mainz, Germany, 22 - 24 September 2014
59. **Investigation of the concentration effect of V V ion on vanadium redox battery system by cyclic voltammetric and electrochemical impedimetric methods**  
Gençten M., Gürsu H., Şahin Y.  
Int. Symposium on Materials for Energy Storage and Conversion, mESC-IS 2015, Ankara, Turkey, 7 - 09 September 2015, pp.1
60. **Electrochemical synthesis of poly(1-(chrysenyl)-2,5-di(2-thienyl)-1H-pyrrole-co-pyrrole) for supercapacitor applications**  
GÖRÇAY H., CELİK I., ŞAHİN Y.  
Int. Symposium on Materials for Energy Storage and Conversion, Ankara, Turkey, 07 September 2015, pp.1
61. **Investigation of the concentration effect of V V ion on vanadium redox battery system by cyclic voltammetric and electrochemical impedimetric methods**  
GENÇTEN M., HÜRİMÜS G., ŞAHİN Y.  
mESC-IS 2015, Int. Symposium on Materials for Energy Storage and Conversion, 7 - 09 September 2015
62. **Vanadyum Redoks Batarya Sistemleri için Yeni Pozitif Elektrolit Çözelti Formülasyonlarının Araştırılması**  
HÜRİMÜS G., GENÇTEN M., ŞAHİN Y.  
5. Fiziksel Kimya Kongresi, Turkey, 16 - 19 May 2015
63. **Electrochemical determination of pesticides**

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17. JCF Frühjahrssymposium, Münster, Germany, 25 March 2015, pp.92

64. **Effect Of The Amino Acid Additives On The Electrochemical Performance Of The Positive Electrolyte For Vanadium Redox Batteries**  
GÜRSU H., GENÇTEN M., ŞAHİN Y.  
ALL IN ONE CONFERENCES, Dubai, United Arab Emirates, 24 March 2015, pp.79
65. **Preparation of Zinc-phthalocyanine Modified Polypyrrole Nanofiber Elektrode**  
GÖRDÜK Ö., GÖRDÜK S., KESKİN B., ŞAHİN Y., GÜRSU H.  
INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY (MOLCHEM2014), İstanbul, Turkey, 18 - 19 December 2014, pp.134
66. **Preparation of Zinc Phthalocyanine Modified Polypyrrole Nano ber Electrode**  
KOYUN Ö., GÖRDÜK S., KESKİN B., ŞAHİN Y., GÜRSU H.  
Molchem2014, İstanbul, Turkey, 19 December 2014, pp.134
67. **Determination of Dopamine by Overoxidized Nanofiber Structure Polypyrrole Modified Pencil Graphite Electrode**  
GÜRSU H., ŞAHİN Y.  
INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY, İstanbul, Turkey, 18 December 2014, pp.57
68. **Preparation of Zinc-Phthalocyanine Modified Polypyrrole Nanofiber Electrode**  
Koyun Ö., GÖRDÜK S., Keskin B., Şahin Y., Gürsu H.  
INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY - ISTANBUL, İstanbul, Turkey, 19 December 2014, pp.155
69. **Determination of plant available boron in agricultural soil by using voltammetric method**  
CETINKAYA E., DÖNMEZ K. B. , DEVECİ S., DOĞU M., ŞAHİN Y.  
9th International Soil Science Congress on the Soul of Soil and Civilization, Antalya, Turkey, 14 October 2014, pp.1
70. **The Effect of Boroxide on The Electrochemical Properties of Fumed Silica Based Gel Electrolyte**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
65th Annual Meeting of the International Society of Electrochemistry, Lozan, Switzerland, 31 August 2014, pp.1
71. **ELECTROCHEMICAL DETERMINATION OF DOPAMINE BASED ON POLY(1-CHRYSEN-6-YL-1H-PYRROLE) MODIFIED PENCIL GRAPHITE ELECTRODE**  
Görçay H., Çelik İ., Yıldız F., GENÇTEN M., ŞAHİN Y.  
Karadeniz Çanağı Analitik Kimya Kongresi (6BBAC), Trabzon, Turkey, 10 September 2013, pp.1
72. **Voltammetric determination of Paracetamol based on POLY(2,5-Di(thiophen-2-yl)-1-p-tolyl-1H-pyrrole) Modified Pencil Graphite Electrode**  
GORCAY H., YURDAKUL E., CELIK I., ŞAHİN Y.  
10th International Electrochemistry Meeting, Konya, Turkey, 04 September 2013, pp.1
73. **THE EFFECTS OF SOME IMPURITIES ON THE ELECTROCHEMICAL BEHAVIORS OF LEAD ELECTRODE IN GEL ELECTROLYTE**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
10. Uluslararası Elektrokimya Kongresi (ECM1), Konya, Turkey, 04 September 2013, pp.1
74. **ELECTROCHEMICAL BEHAVIOR OF LEAD ELECTRODE IN POLY SILOXANA BASED GEL ELECTROLYTE**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
10. Uluslararası Elektrokimya Kongresi (ECM1), Konya, Turkey, 04 September 2013, pp.1
75. **THE EFFECT OF ALUMINA ON THE ELECTROCHEMICAL PROPERTIES OF THE GEL ELECTROLYTE SYSTEM**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
NANOTR-9, Erzurum, Turkey, 24 June 2013, pp.1
76. **THE TEMPERATURE EFFECT ON THE ELECTROCHEMICAL BEHAVIOR OF THE LEAD ELECTRODE IN GEL ELECTROLYTE**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
NANOTR-9, Erzurum, Turkey, 24 June 2013, pp.1
77. **KURŞUN ELEKTROTUN SÜLFÜRİK ASİT ÇÖZELTİSİNDE ELEKTROKİMYASAL DAVRANIŞLARININ**

## İNCELENMESİ

BAHADIR DÖNMEZ K., GENÇTEN M., ŞAHİN Y., PEKMEZ K., SUVACI E.

XXVI. Ulusal Kimya Kongresi, Muğla, Turkey, 01 October 2012, pp.1

78. **Selective Tryptophan Determination In Blood Serum By A Novel Voltammetric Approach**  
OZCAN A., ŞAHİN Y.  
8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 September 2012, pp.1
79. **ELECTROCHEMICAL BEHAVIOR OF LEAD ELECTRODE IN GEL ELECTROLYTE**  
GENÇTEN M., BAHADIR DÖNMEZ K., ŞAHİN Y., PEKMEZ K., SUVACI E.  
ELECTROCHEMISTRY 2012, Münih, Germany, 17 September 2012, pp.1
80. **The Effect of Electrochemical Methods on The Shape of Zinc Oxide Nanostructures**  
İMAMOĞLU G., ŞAHİN Y., SUVACI E.  
Trends in NanoTechnology, Madrid, Spain, 10 September 2012, pp.1
81. **Electrochemical Synthesis of ZnO Nano Powders**  
İMAMOĞLU G., ŞAHİN Y., GORCAY H., SUVACI E.  
NanoTR 8, Ankara, Turkey, 25 June 2012, pp.1
82. **Electrochemical Impadence Spectroscopy And Morphological Analyses Of Novel Thiophene Based Co Polymers On Graphite Electrode**  
Çelik B., Dolaş H., Çelik İ., GENÇTEN M., ŞAHİN Y., Saraç S.  
9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 September 2011, pp.1
83. **Use of pencil graphite electrode for sensor applications**  
ŞAHİN Y., ŞAHİN M., OZCAN L., OZCAN A., USTA B., Özkorucuklu S., Yılmaz M.  
The 61st Annual Meeting of the International Society of Electrochemistry, Nice, France, 26 September 2010, pp.1
84. **Preparation of polypyrrole potentiometric detector for ascorbic acid in ion chromatography**  
ŞAHİN M., ERCAN B., ŞAHİN Y., OZCAN L.  
8th International Electrochemistry Meeting, Antalya, Turkey, 08 October 2009, pp.1
85. **Sensor Applications of Conducting Polymers**  
ŞAHİN Y., ŞAHİN M., OZCAN L., OZCAN A., USTA B., Özkorucuklu S.  
5. Ulusal Nanobilim ve Nanoteknoloji Konferansı, Eskişehir, Turkey, 08 June 2009, pp.1
86. **Preparation of cation exchange poly-n-ethylaniline modified PVDF and its application for removal of calcium and magnesium**  
ŞAHİN M., GORCAY H., Kır E., ŞAHİN Y.  
5. Ulusal Nanobilim ve Nanoteknoloji Konferansı, Eskişehir, Turkey, 08 June 2009, pp.1
87. **Application of polypyrrole to solid-phase microextraction**  
USTA B., ŞAHİN M., ŞAHİN Y.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 09 October 2008
88. **Analytical Performance Of Conducting Polymers**  
ŞAHİN Y., ŞAHİN M., OZCAN L., OZCAN A., USTA B., Yılmaz M.  
Analytical Performance Of Conducting Polymers". 6th Aegean Analytical Chemistry Days, Denizli, Turkey, 09 October 2008
89. **Using of conducting polymers in simultaneous solid-phase microextraction of anions and cations**  
ERCAN B., ŞAHİN M., ŞAHİN Y.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 09 October 2008
90. **Synthesis, Characterization and Electrochemical Behaviour of Soluble Fluoro- and Chloro-Polyaniline**  
ŞAHİN Y., ŞAHİN M., OZCAN L., OZCAN A., ERCAN B.  
58th Annual Meeting of the International Society of Electrochemistry, Banff, Canada, 09 September 2007
91. **The effect of dopants on the morphology of polyaniline**  
OZCAN L., Cılaç M., OZCAN A., ŞAHİN M., ŞAHİN Y., Turan S., Yurdakul H.  
Uluslararası Katılımlı 18. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 26 August 2007, pp.1
92. **Preparation and Application of Polypyrrole and Self-Doped Polypyrrole**  
ŞAHİN Y., PEKMEZ K., Tamer U., ŞAHİN M., Yıldız A.

German-Turkish University Conference and Project Marketplace on Applied Research and Innovation, Braunschweig, Germany, 26 February 2007, pp.14

93. **iyon kromatografisi ile anyon analizlerinde polipirol filminin potansiyometrik dedektör olarak kullanımı**

ŞAHİN M., OZCAN A., ŞAHİN Y.

6. Elektrokimya Günleri, Eskişehir, Turkey, 29 June 2005, pp.84

## Academic and Administrative Experience

2017 - 2020	<b>Enstitü Yönetim Kurulu Üyesi</b>	Yıldız Technical University, Graduate School Of Natural And Applied Sciences
2016 - 2020	<b>Vice Rector</b>	Yıldız Technical University
2014 - 2016	<b>Head of Department</b>	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü
2009 - 2013	<b>Head of Department</b>	Anadolu Üniversitesi, Fen Fakültesi, Kimya Bölümü
2003 - 2005	<b>Deputy Head of Department</b>	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., Bisfenol A Tayini için Elektrokimyasal Sensör Geliştirilmesi, Postgraduate, S.Süerkan(Student), Continues

Şahin Y., Grafen Esaslı Elektrotların Akışkan Bataryalarda Kullanımı, Doctorate, N.Koçyiğit(Student), Continues

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

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

Şahin Y., Bazı Aminoasitlerin Tayini için Elektrokimyasal Sensör Geliştirilmesi, Postgraduate, Z.Serbest(Student), Continues

Şahin Y., Suda Çözünebilen Bazı Organik Bileşiklerin Organik Akışkan Batarya Performansı Üzerine Etkilerinin İncelenmesi, Doctorate, Ş.Yüksel(Student), Continues

Şahin Y., Bazı antioksidanların elektrokimyasal tayinleri için sensör geliştirilmesi, Doctorate, N.Olgaç(Student), Continues

Şahin Y., Bazı Kanser Biyobelirteçlerinin Tayinine Yönelik Elektrokimyasal Sensör Geliştirilmesi, Postgraduate, S.Uruç(Student), Continues

Şahin Y., Bazı Yakıt Hücreleri İçin Elektrot Geliştirilmesi, Doctorate, M.Beşir(Student), Continues

Saraç A. S. , Şahin Y., Redox Active Polymeric Nanofibers and Their Electrochemistry, Doctorate, M.Giray(Student), Continues

Şahin Y., Deniz Suyu Desalinasyon Bataryası Performansı Üzerine Karbon Esaslı Elektrotların Etkilerinin İncelenmesi, Doctorate, C.Kök(Student), Continues

Gördük Ö., Şahin Y., İnsan sağlığı açısından önem taşıyan folik asit, riboflavin ve piridoksin vitaminlerinin tayinleri için elektrokimyasal sensör geliştirilmesi, Postgraduate, E.Dokur(Student), 2021

Gördük Ö., Şahin Y., Gıda katkı maddelerinden tartrazin, sunset sarısı ve allura kırmızısı azo boyar maddelerinin elektrokimyasal tayinleri, Postgraduate, S.Uruç(Student), 2021

Şahin Y., Elektrokimyasal Karbondioksit İndergemesi, Postgraduate, E.Buğçe(Student), 2020

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

Şahin Y., Gıdalarda Bulunan Bazı Pestisitlerin Elektrokimyasal Tayinleri, Doctorate, Ö.Koyun(Student), 2017

ŞAHİN Y., Bazı makrofungus toksinlerinin elektrokimyasal tayini, Doctorate, A.Betül(Student), 2017

Şahin Y., Vanadyum redoks bataryaların pozitif elektrolitine katkı maddelerin etkilerinin incelenmesi, Doctorate, M.Gençten(Student), 2017

Şahin Y., Konjuge Polimerlerin Süperkapasitörlerde Kullanımı, Doctorate, H.Görçay(Student), 2017

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

Şahin Y., Suzuki kenetleme reaksiyonları ile fenil kinolin türevleri sentezi, Postgraduate, G.BURHAN(Student), 2016

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

Şahin Y., Faz Değiştiren Maddelerin Soğutma Amaçlı Kullanımı, Postgraduate, S.Özenler(Student), 2015

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

ŞAHİN Y., Gıdalarda Patojen Mikroorganizmaların Tanımlanması, Doctorate, E.Dinçer(Student), 2013

Şahin Y., Bazı Metal Oksitlerin Elektrokimyasal Sentezi, Postgraduate, G.İmamoğlu(Student), 2013

Şahin Y., Kurşun-Asit Akülerin Performanslarının Artırılması, Postgraduate, M.Gençten(Student), 2013

Şahin Y., Nanofiber Yapılı İletken Polimerlerin Elektrokimyasal Sentezi ve Süperkapasitör Özelliklerinin İncelenmesi, Postgraduate, B.Çelik(Student), 2012

Şahin Y., İletken Polimer-Metal Nanoparçacık Filmlerinin Hazırlanması ve Uygulama Alanları, Doctorate, B.Ercan(Student), 2012

Şahin Y., Organik kirletici içeren atık suların elektro-Fenton yöntemiyle arıtılması, Doctorate, A.Özcan(Student), 2010

Şahin Y., İletken çözünür polimer sentezi, karakterizasyonu ve uygulama alanları, Postgraduate, M.Cılaz(Student), 2008

Şahin Y., Polipirol iletken polimerinin biyosensör olarak kullanımı, Doctorate, L.Özcan(Student), 2008

ŞAHİN Y., Bazı Sülfonamitlerin Elektrokimyasal ve Kromatografik Davranışlarının İncelenmesi, Doctorate, S.Perçin(Student), 2008

Şahin Y., Polipirolün elektrokimyasal katı-faz ekstraksiyon kolonu olarak kullanımı, Postgraduate, B.Ercan(Student), 2006

ŞAHİN Y., Polianilin ile türevlerinin paslanmaz çelik yüzeyinde elektrokimyasal sentezi ve anti-korozif özelliklerinin belirlenmesi, Doctorate, E.Hür(Student), 2005

Şahin Y., Pirokülün elektrokimyasal polimerizasyonuna organik asit etkilerinin incelenmesi, Postgraduate, A.Aydın(Student), 2002

## Patent

- Şahin Y., Türkoğlu N., Gürsu H., PRODUCTION OF A BIODEGRADABLE WOUND DRESSING COMPRISING GRAPHENE-BASED 2,3 DIALDEHYDE BACTERIAL CELLULOSE, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2020/051079 , Initial Registration, 2020
- Gençten M., Şahin Y., Gürsu H., TEK BASAMAKTA BOR VE FLOR KATKILI GRAFEN ELEKTROT HAZIRLAMA METODU, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2019 11563 B , Initial Registration, 2020
- Şahin Y., Büyükkayhan D., Türkoğlu N., Gürsu H., Esentürk İ., BAKTERİYEL SELÜLOZ ESASLI GÖBEK KORDONU HALKASI, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2020/19774 , Initial Registration, 2020
- Şahin Y., Türkoğlu N., Gürsu H., BİYOBOZUNUR, GRAFEN ESASLI 2,3 DİALDEHİT BAKTERİYEL SELÜLOZ İÇEREN YARA ÖRTÜSÜ ÜRETİMİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2020/13979 , Initial Registration, 2020
- Şahin Y., Gürsu H., Gençten M., TEK BASAMAKTA SİLİSYUM FOSFOR KATKILI GRAFEN ELEKTROT HAZIRLAMA METODU, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2019/11568 , Initial Registration, 2019
- Şahin Y., Arvas M. B. , Gördük Ö., AN ELECTRODE FOR USAGE OF PHOSPHATE DETERMINATION AND A METHOD FOR THE ELECTRODE PRODUCTION, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: PCT/TR2017/000089 , Registration in Multiple Countries, 2019
- Şahin Y., Gürsu H., Gençten M., TEK BASAMAKTA KLOR KATKILI GRAFEN ELEKTROT HAZIRLAMA METODU, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2019/11558 , Initial Registration, 2019
- Şahin Y., Arvas M. B. , Gördük Ö., MOLYBDENUM BLUE PRODUCTION METHOD IN HIGH PERFORMANCE AND SOLID STATE, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: PCT/TR2017/000090 , Registration in Multiple Countries, 2019
- Şahin Y., Gürsu H., Gençten M., TEK BASAMAKTA FOSFOR KATKILI GRAFEN ELEKTROT HAZIRLAMA METODU, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2019/11561 , Initial Registration, 2019
- Şahin Y., Arvas M. B. , Gördük Ö., Electrode for use in phosphate determination and method of making an electrode, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: GB2567993A , Initial Registration, 2018
- Şahin Y., Gürsu H., Gençten M., TEK BASAMAKTA N-KATKILI GRAFEN ELEKTROD ELDE EDİLME YÖNTEMİ, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2018/01325 , Initial Registration, 2018
- Şahin Y., Arvas M. B. , Gördük Ö., Method of production of molybdenum blue at high purity and in solid state, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: WO2018056932A2 , Initial Registration, 2018
- 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 Recourse Number: 2016/13170 , Initial Registration, 2017
- Şahin Y., Gürsu H., Gençten M., A method in order to generate graphene based electrode, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: WO2017171682A3 , Initial Registration, 2017
- Şahin Y., Arvas M. B. , Gördük Ö., Yüksek Safılıkta Ve Katı Formda Molibden Mavisini Üretim Yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2016/11503 , Initial Registration, 2017
- Şahin Y., Gürsu H., Gençten M., Tek basamakta grafen-polipirol kompozit elektrot üretimi için bir yöntem, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2017/22952 , Initial Registration, 2017
- Sayer G., Gültekin Ö. A. , Suvacı E., Kaya M., Uysal O., Erdem M., Şahin Y., A cooling device with improved insulation efficiency, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: EP3146282B1 , Registration in Multiple Countries, 2017
- Sayer G., Kaya M., Suvacı E., Gültekin Ö. A. , Uysal O., Erdem M., Şahin Y., YALITIM ETKİNLİĞİ ARTTIRILAN BİR SOĞUTUCU, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2018/09837 , Registration in Multiple Countries, 2017
- Şahin Y., Yamaç M., Karaduman A. B. , Görçay H., Alfa-amanitin ve folloidin tespiti için voltametrik yöntemler, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2017/03303 , Initial Registration, 2017
- Şahin Y., Gürsu H., Gençten M., Tek Basamakta S-Katkılanmış Grafen Elektrot Üretimi İçin Bir Yöntem, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2017/22931 , Initial Registration, 2017
- Şahin Y., Gençten M., Dönmez K. B. , Suvacı E., Pekmez K., Uysal O., Polisiloksan temelli bir jel elektrolit ve üretim yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2014/05641 , Initial Registration, 2015

Şahin Y., Dönmez K. B. , Gençten M., Suvacı E., Pekmez K., Uysal O., Sodyum silikat temelli membran ile kaplı bir elektrot ve üretim yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2014/02946 , Initial Registration, 2015

Şahin Y., Gençten M., Dönmez K. B. , Suvacı E., Pekmez K., Uysal O., Kurşun asit akülerde kullanılan bir jel elektrolit ve üretim yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2014/05641 , Initial Registration, 2014

## 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