

Assoc. Prof. Ezgi TOPÇU

Personal Information

Office Phone: [+90 0442 231 4384](tel:+9004422314384)

Email: ezgitopcu@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/ezgitopcu>

International Researcher IDs

ScholarID: 8CKIpnoAAAAJ

ORCID: 0000-0003-1506-9089

Publons / Web Of Science ResearcherID: ABI-6268-2020

ScopusID: 55892280800

Yoksis Researcher ID: 48496

Biography

1978 yılında Erzurum'da doğdu. İlköğrenimini Çanakkale'de ve orta öğrenimini Bursa'da tamamladı. 1996 yılında girdiği Gazi Üniversitesi Gazi Eğitim Fakültesi Kimya Öğretmenliği Bölümü'nden 2000 yılında mezun oldu. 2009 yılında Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya bilim dalında başladığı yüksek lisans eğitimini 2011 yılında tamamladı. 2012 yılında aynı bölümde doktora eğitimine başladı ve 2017 yılında doktora eğitimini tamamladı. Halen Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümünde Dr. Araştırma Görevlisi olarak çalışmalarına devam etmektedir.

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2017

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey 2009 - 2011

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, ICOLES 2023 6. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, BAYBURT ÜNİ. VE KOCAELİ ÜNİ., 2023

Occupational Health and Safety, Çalışanların Temel İş Sağlığı ve Güvenliği Eğitimi, Atatürk Üniversitesi, 2023

Vocational Training, Singapore-Turkey Workshop on Materials, Science and Technology, Koç Üniversitesi, 2023

Vocational Training, TUBITAK-ULAKBİM+WILEY Oku ve Yayınla Anlaşması: Wiley Dergilerinde Açık Erişim Makale Yayınlama, WILEY, 2023

Dissertations

Doctorate, MÜSTAKİL GRAFEN/POLİ(METİLEN MAVİSİ)/GÜMÜŞ NANOPARTİKÜL ELEKTROTUN HAZIRLANMASI,

KARAKTERİZASYONU VE AMPEROMETRİK NADH SENSÖR UYGULAMASI , Atatürk Üniversitesi, Fen Fakültesi, Kimya/Analitik Kimya, 2017

Postgraduate, Poli(tiyonin) ince filmlerinin elektrokimyasal sentezi ve film oluşumuna etki eden faktörlerin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, 2011

Research Areas

Chemistry, Analytical Chemistry, Electromagnetic Methods, Sensors, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Ataturk University, Fen Fakültesi, Kimya, 2011 - Continues

Courses

Analitik Kimya-II, Undergraduate, 2022 - 2023

İleri Analitik Kimya-I, Postgraduate, 2023 - 2024

Enstrümantal Analiz ve Laboratuvarı, Undergraduate, 2023 - 2024

Genel Kimya Laboratuvarı-II, Undergraduate, 2022 - 2023

Spektroelektrokimya, Doctorate, 2022 - 2023, 2021 - 2022

Genel Kimya Laboratuvarı-II, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Perylene diimide-derived supramolecules-modified graphene sponge as a high-efficiency solar steam generator**
ERÇARIKCI E., Demirci Gültekin D., TOPÇU E., Kudaş Z., ALANYALIOĞLU M., DAĞCI KIRANŞAN K.
Desalination, vol.593, 2025 (SCI-Expanded)
- II. **Supramolecular Modification of Graphene Sponge with a Porphyrin Derivative Enhances the Photothermal Conversion Efficiency of a Solar Steam Generator**
Erçarıkçı E., Demirci Gültekin D., Topçu E., Kudaş Z., Alanyahoğlu M., Dağcı Kıranşan K.
ACS Applied Materials and Interfaces, vol.16, no.45, pp.61910-61920, 2024 (SCI-Expanded)
- III. **Paracetamol sensing with a flexible graphene paper electrode modified with MnCo2O4**
Shafiyev M., Erçarıkçı E., Dağcı Kıranşan K., Topçu E.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.99, no.12, pp.2582-2591, 2024 (SCI-Expanded)
- IV. **An effective material for solar steam generation applications: Gradient graphene sponge**
Erçarıkçı E., Topçu E., Kudaş Z., Aksu Z., Alanyahoğlu M., Dağcı Kıranşan K.
Materials Today Sustainability, vol.26, no.26, pp.100701, 2024 (SCI-Expanded)
- V. **Three-dimensional FeNiP decorated graphene sponge: A novel flexible electrode for high-performance asymmetric supercapacitor**
Erçarıkçı E., Topçu E., Dağcı Kıranşan K.
Materials Research Bulletin, vol.165, 2023 (SCI-Expanded)
- VI. **Design and synthesis of a MnCo-MOF modified flexible 3D graphene sponge electrode for an asymmetric supercapacitor with high power and energy density**
Erçarıkçı E., Topçu E., Dağcı Kıranşan K.
JOURNAL OF MATERIALS CHEMISTRY C, vol.11, no.11, pp.9593-9601, 2023 (SCI-Expanded)
- VII. **A Flexible Graphene Paper Electrochemical Sensor With Electrodeposited Ag and Ni Nanoparticles for H2O2 Detection**

Erçarıkcı E., Kiransan K., Topçu E.

IEEE SENSORS JOURNAL, vol.23, no.7, pp.7087-7094, 2023 (SCI-Expanded)

- VIII. **Flexible supercapacitor electrodes based on modified binary metal phosphites on three dimensional graphene sponge**
Erçarıkcı E., Topçu E., Dağcı Kiranşan K.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.930, 2023 (SCI-Expanded)
- IX. **Design of metal phosphite decorated sponge materials for high-performance flexible battery-type supercapacitors**
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.15, pp.21661-21678, 2022 (SCI-Expanded)
- X. **Three-Dimensional ZnCo-MOF Modified Graphene Sponge: Flexible Electrode Material for Symmetric Supercapacitor**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
ENERGY & FUELS, vol.36, no.3, pp.1735-1745, 2022 (SCI-Expanded)
- XI. **Graphene paper with electrodeposited NiCo₂S₄ nanoparticles as a novel flexible sensor for simultaneous detection of folic acid and ascorbic acid**
ERÇARIKCI E., AKSU Z., DAĞCI KIRANŞAN K., TOPÇU E.
DIAMOND AND RELATED MATERIALS, vol.121, 2022 (SCI-Expanded)
- XII. **ZnS Nanoparticles-decorated Composite Graphene Paper: A Novel Flexible Electrochemical Sensor for Detection of Dopamine**
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
ELECTROANALYSIS, vol.34, no.1, pp.91-102, 2022 (SCI-Expanded)
- XIII. **SnS₂-gC(3)N(4)/rGO Composite Paper as an Electrode for High-Performance Flexible Symmetric Supercapacitors**
Dağcı Kiranşan K., Topçu E.
SYNTHETIC METALS, vol.264, 2020 (SCI-Expanded)
- XIV. **Conducting Polymer-Reduced Graphene Oxide Sponge Electrode for Electrochemical Detection Based on DNA Hybridization**
Dağcı Kiranşan K., Topçu E.
ACS APPLIED NANO MATERIALS, vol.3, no.6, pp.5449-5462, 2020 (SCI-Expanded)
- XV. **Electrochemical simultaneous sensing of melatonin and ascorbic acid at a novel flexible B-RGO composite paper electrode**
Topçu E., Dağcı Kiranşan K.
DIAMOND AND RELATED MATERIALS, vol.105, 2020 (SCI-Expanded)
- XVI. **Three-dimensional, free-standing, and flexible cobalt-based metal-organic frameworks/graphene composite paper: A novel electrochemical sensor for determination of resorcinol**
Topçu E.
MATERIALS RESEARCH BULLETIN, vol.121, 2020 (SCI-Expanded)
- XVII. **Graphene Paper with Sharp-edged Nanorods of Fe-CuMOF as an Excellent Electrode for the Simultaneous Detection of Catechol and Resorcinol**
Dağcı Kiranşan K., Topçu E.
ELECTROANALYSIS, vol.31, no.12, pp.2518-2529, 2019 (SCI-Expanded)
- XVIII. **Flexible gold nanoparticles/rGO and thin film/rGO papers: novel electrocatalysts for hydrogen evolution reaction**
Topçu E., Dağcı Kiranşan K.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.94, no.12, pp.3895-3904, 2019 (SCI-Expanded)
- XIX. **Flexible and freestanding catalase-Fe₃O₄/reduced graphene oxide paper: Enzymatic hydrogen peroxide sensor applications**
Kiransan K., Aksoy M., Topçu E.
Materials Research Bulletin, vol.106, pp.57-65, 2018 (SCI-Expanded)
- XX. **Flexible and Free-standing PtNLS-MoS₂/Reduced Graphene Oxide Composite Paper: A High-**

Performance Rolled Paper Catalyst for Hydrogen Evolution Reaction

Topçu E., Kiransan K.

ChemistrySelect, vol.3, no.21, pp.5941-5949, 2018 (SCI-Expanded)

- XXI. **Free-standing and Flexible MoS₂/rGO Paper Electrode for Amperometric Detection of Folic Acid**
Kiransan K., Topçu E.
Electroanalysis, vol.30, no.5, pp.810-818, 2018 (SCI-Expanded)
- XXII. **Surface-confined electropolymerization of pyronin Y in the graphene composite paper structure for the amperometric determination of dopamine**
Kiransan K., Topçu E., Alanyalıoğlu M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.30, 2017 (SCI-Expanded)
- XXIII. **Free-standing Graphene/Poly(methylene blue)/AgNPs Composite Paper for Electrochemical Sensing of NADH**
Topçu E., Dağcı K., Alanyalıoğlu M.
Electroanalysis, vol.28, no.9, pp.2058-2069, 2016 (SCI-Expanded)
- XXIV. **Electrochemical Formation of Poly(thionine) Thin Films: The Effect of Amine Group on the Polymeric Film Formation of Phenothiazine Dyes**
TOPÇU E., ALANYALIOĞLU M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.1, 2014 (SCI-Expanded)
- XXV. **Electrochemical preparation of poly(methylene blue)/graphene nanocomposite thin films**
Erçarıkcı E., Dağcı K., Topçu E., Alanyalıoğlu M.
Materials Research Bulletin, vol.55, pp.95-101, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ag NPs-SnO₂/İndirgenmiş Grafen Oksit Kağıt: Süperkapasitör için Esnek Elektrot Materyali Üretimi**
Erçarıkcı E., Dağcı Kiransan K., Topçu E.
Avrupa Bilim ve Teknoloji Dergisi, vol.32, pp.721-727, 2021 (Peer-Reviewed Journal)
- II. **P-nitrofenol'ün elektrokimyasal yöntemle belirlenmesi için esnek ve müstakil PtCu ile modifiye edilmiş grafen esaslı kağıt**
Dağcı Kiransan K., Topçu E.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.147-160, 2021 (Peer-Reviewed Journal)
- III. **Preparation and characterization of self-standing and flexible CuS/rGO composite paper**
Topçu E., Dağcı Kiransan K.
Turkish Journal of Analytical Chemistry, vol.2, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)
- IV. **Serbest Duran ve Esnek MnO₂/Grafen Kağıt Elektrot: Dopamin Tayini İçin Yeni Tip Amperometrik Sensör**
Topçu E.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.22-34, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Supramolecules Modified Gradient Graphene Sponge Material for SolarSteam Generators**
Dağcı Kiransan K., Erçarıkcı E., Topçu E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.31
- II. **A Flexible Graphene Paper with Ag and Ni Nanoparticles for H₂O₂ Detection**
Topçu E., Erçarıkcı E., Dağcı Kiransan K.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.98-109

- III. **Fabrication of MOF-derived Fe₂O₃ Nanoparticles-decorated Composite Reduced Graphene Oxide Paper Electrode**
Erçarıkcı E., Dağcı Kiranşan K., Topçu E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.40
- IV. **MOF-containing Graphene Sponge Design for Sustainable Water Purification System Applications**
KARAKAŞ A., DAĞCI KIRANŞAN K., ERÇARIKCI E., TOPÇU E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, 2 - 05 November 2023
- V. **Preparation and Characterization of MnCo₂O₄ Modified Flexible Graphene Paper**
Shafiyev M., Topçu E., Erçarıkcı E., Dağcı Kiranşan K.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.10-23
- VI. **Ni AND Ag NANOPARTICLES DECORATED FLEXIBLE GRAPHENE PAPERS: THE COMPARISON OF TWO ELECTRODES FOR ELECTROCHEMICAL DETERMINATION OF H₂O₂**
Topçu E., Erçarıkcı E., Dağcı Kiranşan K.
INTERNATIONAL AEGEAN CONFERENCES ON NATURAL & MEDICAL SCIENCES-V, İzmir, Turkey, 20 - 22 December 2022, pp.118-119
- VII. **Design of Ultralight FeCoP or FeZnP/Graphene Sponge Asymmetric Supercapacitor Electrodes**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
4th International Eurasian Conference on Science, Engineering and Technology, 14 December 2022
- VIII. **Fabrication of Flexible ZnP/Graphene Sponge Material**
Aksu Z., Erçarıkcı E., Dağcı Kiranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.101-102
- IX. **Ultralight and Flexible FeZnP/Graphene Sponge**
Erçarıkcı E., Dağcı Kiranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.99-100
- X. **A Flexible Freestanding Ag Nanoparticles Decorated Graphene Paper Electrode for Electrochemical Determination of H₂O₂**
TOPÇU E., ERÇARIKCI E., DAĞCI KIRANŞAN K.
5. International Conference on Life and Engineering Sciences, 19 May 2022
- XI. **Gradient Graphene Sponge Material Design for Solar Steam Generators**
DAĞCI KIRANŞAN K., ERÇARIKCI E., TOPÇU E., AKSU Z.
5. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, 19 May 2022
- XII. **Fabrication of Flexible FeP/Graphene Sponge Material for Asymmetric Supercapacitor**
AKSU Z., ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
5. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, 19 May 2022
- XIII. **Binary Metal Phosphite/Graphene Sponge: 3D Flexible Electrode for High-Performance Asymmetric Supercapacitor**
Erçarıkcı E., Dağcı Kiranşan K., Topçu E.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022, pp.1-3
- XIV. **Flexible and Ultralight CoZn-MOF/Reduced Graphene Oxide Sponge**
Erçarıkcı E., Dağcı Kiranşan K., Topçu E.
5th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE AGRICULTURE, Ağrı, Turkey, 21 - 23 September 2021, pp.228-235
- XV. **ZnS Nanopartikül Katkılı Kompozit Grafen Kağıt: Seçici Dopamin Tayini İçin Yeni Bir Esnek Elektrokimyasal Sensör**
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
33. Ulusal Kimya Kongresi, İstanbul, Turkey, 7 - 09 October 2021, pp.91
- XVI. **PRODUCTION OF FLEXIBLE NiCo₂S₄/rGO NANOCOMPOSITE PAPER MATERIALS**
Erçarıkcı E., Dağcı Kiranşan K., Topçu E., Aksu Z.

- International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 7 - 09 April 2021, pp.346-348
- XVII. **Üç Boyutlu ve Esnek PEDOT:PSS/rGO Sünger Materyalin Hazırlanması ve Karakterizasyonu**
Dağcı Kırınşan K., Topçu E.
32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020
- XVIII. **3D, Flexible, and Free-standing Sponge Electrode for Electrochemical Detection with Methylene Blue Indicator Based on Hybridization of DNA**
Dağcı Kırınşan K., Topçu E.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020
- XIX. **CONDUCTING PEDOT:PSS-REDUCED GRAPHENE OXIDE SPONGE ELECTRODE FOR ELECTROCHEMICAL DETECTION BASED ON DNA HYBRIDIZATION**
Dağcı Kırınşan K., Topçu E.
3rd International Conference on Physical Chemistry and Functional Materials (PCFM-2020), Malatya, Turkey, 22 - 24 September 2020
- XX. **NiCu/Graphene Oxide Paper for Removal of Safranin Dye from Aqueous Solutions by Adsorption: A Facile Green Approach**
TOPÇU E.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- XXI. **Hidrojen Evrim Reaksiyonları için Esnek bir Elektrokatalizör: Altın ince film kağıtlı rGO kağıt**
TOPÇU E., DAĞCI KIRANŞAN K.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- XXII. **Yüksek Mekanik, Elektronik ve Esneklik Özelliklerine Sahip AgNi Alaşım Filmi ile Modifiye Edilmiş rGO Kağıt Materyaller**
TOPÇU E.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- XXIII. **Flexible Gold Nanoparticles/Rgo Paper as Novel Electrocatalyst for Hydrogen Evolution Reaction**
Topçu E., Dağcı Kırınşan K.
2nd International Conference on Physical Chemistry and Functional Materials, Nevşehir, Turkey, 25 - 27 June 2019, pp.320-325
- XXIV. **FABRICATION AND CHARACTERIZATION OF ZINC NANOPARTICLES DECORATED REDUCED GRAPHENE OXIDE PAPER**
TOPÇU E.
International Conference on Physical Chemistry and Functional Materials (PCFM19), 25 - 27 June 2019
- XXV. **Characterization and Application of Composite Graphene Papers Prepared in Different Compositions**
DAĞCI KIRANŞAN K., TOPÇU E.
2nd International Congress on Semiconductor Materials and Devices, 28 - 30 August 2018
- XXVI. **Porous Gold Film Loaded on Flexible Reduced Graphene Oxide Paper Prepared by Electrodeposition**
TOPÇU E., DAĞCI KIRANŞAN K.
14th Nanoscience and Nanotechnology Conference of Turkey (NANOTR-14 www.nanotr14.org), Antalya, Turkey, 22 - 25 September 2018, pp.42
- XXVII. **Characterization and Applications of Composite Graphene Papers Prepared in Different Compositions**
DAĞCI KIRANŞAN K., TOPÇU E.
International Conference on Semiconductor Materials and Devices (ICSMD) and Functional Materials, Ardahan, Turkey, 28 - 30 August 2018, pp.42
- XXVIII. **Fabrication and Characterization of Gold Nanoparticles Decorated Reduced Graphene Oxide Paper**
TOPÇU E., DAĞCI KIRANŞAN K.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018
- XXIX. **Flexible and Free-Standing Graphene Oxide Paper Decorated with Metal Organic Frameworks**
DAĞCI KIRANŞAN K., TOPÇU E.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018

- XXX. **Free-Standing and Flexible MoS₂/rGO Paper Electrode for Amperometric Dedection of Folic Acid**
DAĞCI KIRANŞAN K., TOPÇU E.
13. Nanoscience and Nanotechnology Conference, 22 - 25 October 2017
- XXXI. **Characterization and Preparation Free-Standing and Flexible Pt-MoS₂/rGO Paper Electrode for Hydrogen Evolution Reaction**
DAĞCI KIRANŞAN K., TOPÇU E., Erçarıkçı e.
ANCON, 5 - 07 October 2017
- XXXII. **Free-standing Graphene-Based Papers for Electrochemical Sensor Applications**
DAĞCI KIRANŞAN K., TOPÇU E., AKSU Z., ALANYALIOĞLU M.
Matrafüred 2017, 11 - 16 June 2017
- XXXIII. **FLEXIBLE AND FREESTANDING CATALASE-Fe₃O₄/REDUCED GRAPHENE OXIDE HYBRIDE PAPER: ENZYMATIC HYDROGEN PEROXIDE SENSOR APPLICATIONS**
DAĞCI KIRANŞAN K., AKSOY M., TOPÇU E.
International DNA Day and Genom Congress, 24 - 28 April 2017
- XXXIV. **Flexible and Electrically Conductive Fe₃O₄ rGO Paper Electrode and Its Catalytical Application**
DAGCI K., TOPÇU E., AKSOY M., ALANYALIOĞLU M.
Graphene Turkey, 20 - 21 October 2016
- XXXV. **FABRICATION and AMPEROMETRIC SENSOR APPLICATION of FREE STANDING GRAPHENE PAPER ELECTRODES DECORATED with DYE POLYMERS**
DAĞCI KIRANŞAN K., TOPÇU E., ALANYALIOĞLU M.
INTERNATIONAL WORKSHOP ON SPECIALTOPICS ON POLYMERIC COMPOSITES, 24 - 26 February 2016
- XXXVI. **A sensitive NADH biosensor based on flexible and free standing graphene poly MB AgNPs paper**
TOPÇU E., ERÇARIKCI E., Bayındır O., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.
ICREA Workshop on Graphene Nanobiosensors, 25 March 2015
- XXXVII. **ROLE OF PREPARATION PROCEDURE OF GRAPHENE ON THE ELECTROCHEMICAL PERFORMANCE OF FREE STANDING GRAPHENE METHYLENE BLUE SILVER NANOPARTICLE COMPOSITE ELECTRODES**
TOPÇU E., Bayındır O., ERÇARIKCI E., DAĞCI KIRANŞAN K., Öztürk A., ALANYALIOĞLU M.
NANOCON 2014, Brno, Czech Republic, 5 - 07 November 2014, pp.102
- XXXVIII. **Preparation Of Highly Conductive, Flexible, And Free-standing Graphene Composite Paper**
TOPÇU E., DAĞCI KIRANŞAN K., ERÇARIKCI E., Öztürk A., ALANYALIOĞLU M.
Nanotr-10, 17 June 2014
- XXXIX. **Cooperative Effect Of Poly(methylene Blue) And Graphene On The Electrocatalytic Oxidation Of Nitrite**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E., Bayındır O., ALANYALIOĞLU M.
10th International Electrochemistry Meeting, 04 September 2013
- XL. **ELECTROCHEMICAL SYNTHESIS OF HIGHLY ORIENTED TERNARY SEMICONDUCTIVE PbSeS THIN FILMS**
Demir Ş. B., Üst Ü. Ç., DAĞCI K., TOPÇU E., Erçarıkçı E., ALANYALIOĞLU M.
NANO-TR 9, Erzurum, Turkey, 24 - 28 June 2013
- XLI. **Electrochemical Preparation Of Graphene/poly(methylene Blue) Nanocomposite Thin Films**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., Pastor N. C.
Nanotechitaly 2012, 21 November 2012
- XLII. **GRAFEN POLY(METİLEN MAVİSİ) NANOKOMPOZİT YAPILARININ ELEKTROKİMYASAL SENTEZİ**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.
6. ULUSAL ANALİTİK KİMYA KONGRESİ, Turkey, 3 - 07 September 2012
- XLIII. **Surface confined electropolymerization of methylene blue monolayers**
DAĞCI KIRANŞAN K., Kaplan İ. H., Kalyoncu E., TOPÇU E., ALANYALIOĞLU M.
25. Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011
- XLIV. **Investigation of nucleation and growth mechanism during formation of poly azure A**
Kalyoncu E., DAĞCI KIRANŞAN K., Kaplan İ. H., TOPÇU E., ALANYALIOĞLU M.
Nano-TR-6, 15 - 18 June 2010
- XLV. **Effect of surfactants on the formation of poly azure A thin films**

Supported Projects

- DAĞCI KIRANŞAN K., KUDAŞ Z., TOPÇU E., ERÇARIKCI E., AKSU Z., Project Supported by Higher Education Institutions, Gradient Yapıya Sahip Perilen Ve Porfirin Türevi Supramolekül Modifiye Grafen Esaslı Materyaller Kullanılarak Sürdürülebilir Su Arıtma Sistemi Uygulamaları, 2022 - Continues
- Dağcı Kiranşan K., Erçarıkçı E., Topçu E., Karakaş A., Project Supported by Higher Education Institutions, Sürdürülebilir Su Arıtma Sistemi Uygulamaları için MOF içerikli Grafen Sünger Tasarımı, 2024 - 2025
- Alanyahoğlu M., Dağcı Kiranşan K., Topçu E., Erçarıkçı E., Gültekin D., TUBITAK Project, Gradient yapıya sahip, perilen ve porfirin türevi supramolekül modifiye grafen esaslı materyaller kullanılarak sürdürülebilir su arıtma sistemi uygulamaları, 2021 - 2024
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TALANTA, Journal Indexed in SCI-E, November 2023

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CHEMICAL PAPERS, Journal Indexed in SCI-E, June 2023

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CHEMICAL PAPERS, Journal Indexed in SCI-E, May 2023

ATA-KİMYA DERGİSİ, National Scientific Refreed Journal, May 2023

Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yil University, Turkey, May 2023

MICROCHEMICAL JOURNAL, Journal Indexed in SCI-E, March 2023

Hittite Journal of Science and Engineering, National Scientific Refreed Journal, March 2023

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İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2022

Dergipark-Uluslararası Doğu Anadolu Fen Mühendislik ve Tasarım Dergisi, National Scientific Refreed Journal, July 2022

MICROMACHINES, Journal Indexed in SCI-E, June 2022

Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, June 2022

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ELECTROCHIMICA ACTA, Journal Indexed in SCI-E, February 2022

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Microchemical Journal, Journal Indexed in SCI-E, September 2020

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Tasks In Event Organizations

Dağcı Kıranşan K., TOPÇU E., International Aegean Conferences on Natural & Medical Sciences-VI, Scientific Congress, Turkey, Aralık 2022

Öznülüer Özer T., Şenkuytu E., Kışalı N., Sevim M., Tanrıverdi Eçik E., Atmaca U., Çepni E., Bayrakçeken Nişancı F., Topçu E., Kılıç H., et al., KİMYADAN GÜZELLİĞE:KOZMETİK, Workshop Organization, Erzurum, Turkey, Kasım 2022

Dağcı Kıranşan K., Topçu E., International Conference on Engineering Sciences, Scientific Congress, Azerbaijan, Kasım 2022

İleritürk M., Aktaş Şenocak E., Akköse A., Gedikli S., Topçu E., Açıslı Ö., AL-FARABI 4th INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Scientific Congress, Erzurum, Turkey, Ağustos 2022

Sağsöz M. E., Bayrakçeken H., Nişancı B., Erkayman B., Dağcı Kıranşan K., Nadaroğlu H., Usanmaz B., Bozkurt F., Gür E., Dal D., et al., 2nd International Symposium on Applied Sciences and Engineering (ISASE2021), Scientific Congress, Erzurum, Turkey, Nisan 2021

Metrics

Publication: 78

Citation (WoS): 432

Citation (Scopus): 500

H-Index (WoS): 14

H-Index (Scopus): 16

Congress and Symposium Activities

6th International Conference on Life and Engineering Sciences (ICOLES 2023), Attendee, Antalya, Turkey, 2023

1. Ulusal Elektrokimya ve Biyosensör Uygulamaları Çalıştayı, Attendee, Bilecik, Turkey, 2021

33. Ulusal Kimya Kongresi, Session Moderator, Tekirdağ, Turkey, 2021

2nd International Symposium on Applied Sciences and Engineering (ISASE2021), Attendee, Erzurum, Turkey, 2021

2nd International Conference on Physical Chemistry & Functional Materials PCFM'19, Attendee, Nevşehir, Turkey, 2019

NanoTR14, Attendee, İzmir, Turkey, 2018

International Conference on Physical Chemistry and Functional Materials, Elazığ, Attendee, Elazığ, Turkey, 2018

ANCON, Attendee, Ankara, Turkey, 2017

Nano-TR-13, Attendee, Antalya, Turkey, 2017

Matrafured 2017-International Conference On Electrochemical Sensors, Attendee, Hungary, 2017

International DNA Day and Genom Congress (IDDGC), Attendee, Kırşehir, Turkey, 2017

Graphene Turkey, Attendee, İstanbul, Turkey, 2016

Fabrication and amperometric sensor application of free-standing graphene paper electrodes decorated with dye polymers, Attendee, İzmir, Turkey, 2016

ICREA Workshop on Graphene Nanobiosensors, Attendee, Barcelona, Spain, 2015

NANOCON 2014, Attendee, Czech Republic, 2014

NanoTR-10, Attendee, İstanbul, Turkey, 2014

10. ULUSLARARASI ELEKTROKİMYA KONGRESİ, Attendee, Konya, Turkey, 2013

NANO-TR 9, Attendee, Erzurum, Turkey, 2013

NanotechItaly 2012, Attendee, Italy, 2012

6. ULUSAL ANALİTİK KİMYA KONGRESİ, Attendee, Hatay, Turkey, 2012
9. ELECTROCHEMISTRY CONGRESS, Attendee, İzmir, Turkey, 2011
25. ULUSAL KİMYA KONGRESİ, Attendee, Turkey, 2011
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- NANO-TR 6, Attendee, İzmir, Turkey, 2010