

## Assoc. Prof. Kader DAĞCI KIRANŞAN

### Personal Information

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### International Researcher IDs

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ScopusID: 36625314000

Yoksis Researcher ID: 46314

### Biography

#### PERSONAL INFORMATION

- Date of birth: 1985
- Place of birth: Erzurum

#### EDUCATION INFORMATION

- Ph.D., Atatürk University, Graduate School of Natural and Applied Sciences, Analytical Chemistry, 2010-2015  
Thesis title: PREPARATION AND CHARACTERIZATION OF POLY(PYRONIN Y) THIN FILMS AND FREE-STANDING GRAPHENE/POLY(PYRONIN Y)/SILVER NANOPARTICLE ELECTRODES AND THEIR APPLICATION FOR AMPEROMETRIC DETECTION OF NITRITE
- Master's Degree, Atatürk University, Graduate School of Natural and Applied Sciences, Analytical Chemistry, 2008-2010  
Thesis title: Electrochemical synthesis and characterization of methylene blue regular monolayer structures
- BA, Ataturk University, Faculty of Science, Department of Chemistry, 2003-2007
- BA, Ataturk University, Faculty of Engineering, Chemical Engineering Department, 2004-2008

#### EXPERIENCE

Ataturk University

- 2009- 2019, Research Assistant
- 2019- Assist. Prof. Dr.

Maria Curie Sklodowska University, Faculty of Chemistry, Lublin, POLAND

- 2012-2013, Erasmus Student (6 months)

#### AREAS OF EXPERTISE

- The Elektrokopolimerizasyo
- Graphene structures
- Graphene Oxide Synthesis
- Graphene Nano Layer
- Electrochemical Characterization
- Electrochemical Impedance Spectroscopy
- Electrochemical Sensors
- Graphene Based Composites
- Electrocatalysis
- Hydrogen formation reactions
- Biosensors
- Synthesis of semiconductors

- Hydrothermal reactions
- 3D graphene structures
- Electrochemical techniques (voltammetry, chronoamperometry, coulometry, etc.)
- Surface chemistry and thin film characterization
- Scanning probe microscopy (STM / AFM)
- UV-visible region and FT-IR spectroscopy
- Powder XRD
- Good English

## Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2010 - 2015

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2008 - 2010

Undergraduate, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2005 - 2008

Undergraduate, Ataturk University, Fen Fakültesi, Kimya, Turkey 2003 - 2007

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Training, 6. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Üniversite, 2023

Occupational Health and Safety, İş sağlığı ve güvenliği belgesi, Atatürk Üniversitesi, 2023

## Dissertations

Doctorate, POLİ(PYRONİN Y) İNCE FİLMLEİNİN ve MÜSTAKİL GRAFEN/POLİ(PYRONİN Y)/GÜMÜŞ NANOPARTİKÜL ELEKTROTLARIN HAZIRLANMASI, KARAKTERİZASYONU VE NİTRİTİN AMPEROMETRİK TAYİNİNDE KULLANILMASI , Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, 2015

Postgraduate, Metilen mavisi düzenli tek tabaka yapılarının elektrokimyasal sentezi ve karakterizasyonu / Electrochemical synthesis and characterization of well-ordered methylene blue monolayers, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2010

## Research Areas

Chemistry, Analytical Chemistry, Bioanalytical Methods, Electromagnetic Methods, Food Analysis, Sensors, Spectroscopical Methods, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Ataturk University, Fen Fakültesi, Kimya, 2021 - Continues

Assistant Professor, Ataturk University, Fen Fakültesi, Kimya, 2019 - 2020

Research Assistant PhD, Ataturk University, Fen Fakültesi, Kimya, 2009 - 2019

## Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Atatürk University, Fen Fakültesi, Kimya, 2022 - Continues  
Deputy Head of Department, Atatürk University, Fen Fakültesi, Kimya, 2022 - Continues  
Member of Department FEDEK Commission, Atatürk University, Fen Fakültesi, Kimya, 2021 - Continues  
Ölçme Değerlendirme Kurulu Üyesi, Atatürk University, Fen Fakültesi, Kimya, 2021 - Continues

## Courses

Analitik Kimya, Undergraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020  
Öğretmenlik Uygulaması, Undergraduate, 2023 - 2024  
Analitik Kimya, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020  
Analitik Kimya Laboratuvarı II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019  
İleri Analitik Kimya II, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Kimya, Undergraduate, 2023 - 2024, 2020 - 2021  
Elektroanalitik Kimya, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Kimyada Ayırma Teknikleri, Undergraduate, 2023 - 2024  
ELEKTROKİMYADA TEMEL İLKELER, Postgraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020  
Kimya, Undergraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020  
Temel Kimya Laboratuvarı, Undergraduate, 2023 - 2024  
Proje-I, Undergraduate, 2023 - 2024, 2021 - 2022  
İleri Analitik Kimya I, Postgraduate, 2022 - 2023, 2021 - 2022  
Uzmanlık alan dersi, Postgraduate, 2022 - 2023  
Analitik Kimya Laboratuvarı I, Undergraduate, 2021 - 2022, 2018 - 2019  
Enstrümental Analiz, Undergraduate, 2021 - 2022  
Genel Kimya, Associate Degree, 2021 - 2022  
Enstrümental Analiz Laboratuvarı, Undergraduate, 2019 - 2020  
Kimya, Undergraduate, 2020 - 2021, 2019 - 2020  
Kimya, Undergraduate, 2020 - 2021, 2019 - 2020  
Kimya, Undergraduate, 2020 - 2021  
Kimya, Undergraduate, 2020 - 2021  
Kimya, Undergraduate, 2020 - 2021, 2019 - 2020  
Kimya, Undergraduate, 2020 - 2021  
Kimya, Undergraduate, 2020 - 2021  
Kimya, Undergraduate, 2019 - 2020

## Advising Theses

Dağcı Kıranşan K., NiCoP ile Modifiye Edilen Esnek Müstakıl İki ve Üç Boyutlu Elektrotların Hazırlanması,  
Karakterizasyonu ve Epinefrin ile Folikasitin Eş Zamanlı Tayininde Kullanılması, Doctorate, S.ERGEN(Student), Continues

## Jury Memberships

Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2023  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2023  
Doctorate, Doctorate, Atatürk Üniversitesi, August, 2023  
Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2023  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2023  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2023  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2023  
Post Graduate, Post Graduate, Atatürk Üniversitesi, February, 2023  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2022  
Doctorate, Doctorate, Atatürk Üniversitesi, August, 2022

## 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. **Paracetamol sensing with a flexible graphene paper electrode modified with MnCo2O4**  
Shafiyev M., Erçarıkçı E., Dağcı Kiranşan K., Topçu E.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.99, no.12, pp.2582-2591, 2024 (SCI-Expanded)
- III. **An effective material for solar steam generation applications: Gradient graphene sponge**  
Erçarıkçı E., Topçu E., Kudaş Z., Aksu Z., Alanyalıoğlu M., Dağcı Kiranşan K.  
Materials Today Sustainability, vol.26, no.26, pp.100701, 2024 (SCI-Expanded)
- IV. **Supramolecular Modification of Graphene Sponge with a Porphyrin Derivative Enhances the Photothermal Conversion Efficiency of a Solar Steam Generator**  
ERÇARIKCI E., Demirci Gültekin D., TOPÇU E., Kudaş Z., ALANYALIOĞLU M., DAĞCI KIRANŞAN K.  
ACS Applied Materials and Interfaces, 2024 (SCI-Expanded)
- V. **Three-dimensional FeNiP decorated graphene sponge: A novel flexible electrode for high-performance asymmetric supercapacitor**  
Erçarıkçı E., Topçu E., Dağcı Kiranşan 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 Kiranşan 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**  
Erçarıkçı 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**  
Erçarıkçı 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**  
Erçarıkçı 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. **REMOVAL OF SAFRANIN FROM THE ENVIRONMENT BY USING GRAPHENE OXIDE PAPER**  
Alanyaloğlu B., Dağcı Kiranşan K.  
Revue Roumaine De Chimie, vol.7, no.7, pp.66-70, 2021 (SCI-Expanded)
- XIV. **The Construction and Testing of an Amperometric Biosensor for Oxidized Glutathione with Glutathione Reductase Immobilized on Reduced Graphene Oxide Paper Modified with Cobalt Sulphur**  
Aksoy M., Kiransan K.  
CHEMISTRYSELECT, vol.5, no.44, pp.13925-13935, 2020 (SCI-Expanded)
- XV. **A novel polyphenol oxidase immobilized polyglycine/reduced graphene oxide composite electrode for sensitive determination of catechol**  
Dağcı Kiranşan K., Aksoy M.  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.50, no.8, pp.863-873, 2020 (SCI-Expanded)
- XVI. **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)
- XVII. **SnS<sub>2</sub>-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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **Preparation and Characterization of Highly Flexible, Free-Standing, Three-Dimensional and Rough NiMOF/rGO Composite Paper Electrode for Determination of Catechol**  
DAĞCI KIRANŞAN K.  
CHEMISTRYSELECT, vol.4, no.21, pp.6488-6495, 2019 (SCI-Expanded)
- XXII. **Flexible and freestanding catalase-Fe<sub>3</sub>O<sub>4</sub>/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)
- XXIII. **Flexible and Free-standing PtNLS-MoS<sub>2</sub>/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)
- XXIV. **Free-standing and Flexible MoS<sub>2</sub>/rGO Paper Electrode for Amperometric Detection of Folic Acid**  
Kiransan K., Topçu E.  
Electroanalysis, vol.30, no.5, pp.810-818, 2018 (SCI-Expanded)

- XXV. **Surface-confined electropolymerization of pyronin Y in the graphene composite paper structure for the amperometric determination of dopamine**  
Kıranşan K., Topçu E., Alanyalıoğlu M.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.30, 2017 (SCI-Expanded)
- XXVI. **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)
- XXVII. **Electrochemical detection of nitrite on poly(pyronin Y)/graphene nanocomposites modified ITO substrate**  
Sinoforoğlu M., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., MERAL K.  
SUPERLATTICES AND MICROSTRUCTURES, vol.94, pp.231-236, 2016 (SCI-Expanded)
- XXVIII. **Preparation of Free-Standing and Flexible Graphene/Ag Nanoparticles/Poly(pyronin Y) Hybrid Paper Electrode for Amperometric Determination of Nitrite**  
DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
ACS APPLIED MATERIALS & INTERFACES, vol.8, no.4, pp.2713-2722, 2016 (SCI-Expanded)
- XXIX. **Electrochemical approaches for rearrangement of lead sulfide thin films prepared by SILAR method**  
Ust U. C., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.41, pp.270-276, 2016 (SCI-Expanded)
- XXX. **Fabrication of free-standing graphene paper decorated with flower-like PbSe<sub>0.5</sub>S<sub>0.5</sub> structures**  
Ust U. C., Demir S. B., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
RSC ADVANCES, vol.6, no.12, pp.9453-9460, 2016 (SCI-Expanded)
- XXXI. **High enzymatic activity preservation of malate dehydrogenase immobilized in a Langmuir-Blodgett film and its electrochemical biosensor application for malic acid detection**  
GÜR B., Isik M., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., BEYDEMİR Ş., MERAL K.  
RSC ADVANCES, vol.6, no.83, pp.79792-79797, 2016 (SCI-Expanded)
- XXXII. **Influence of N-octanoyl-N-methylglucamine and N-decanoyl-N-methylglucamine on the kinetics and mechanism of Zn<sup>2+</sup> ions electroreduction**  
Nieszporek J., Dağcı K.  
Electrochimica Acta, vol.125, pp.473-481, 2014 (SCI-Expanded)
- XXXIII. **Electrochemical preparation of poly(methylene blue)/graphene nanocomposite thin films**  
Erçarıkçı E., Dağcı K., Topçu E., Alanyalıoğlu M.  
Materials Research Bulletin, vol.55, pp.95-101, 2014 (SCI-Expanded)
- XXXIV. **Electrochemical preparation of polymeric films of pyronin Y and its electrocatalytic properties for amperometric detection of nitrite**  
DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.711, pp.17-24, 2013 (SCI-Expanded)
- XXXV. **Surface-Confined Electropolymerization of Methylene Blue on Gold Electrodes**  
DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
ELECTROANALYSIS, vol.23, no.3, pp.777-783, 2011 (SCI-Expanded)
- XXXVI. **Nucleation and Growth Mechanism of Electropolymerization of Methylene Blue: The Effect of Preparation Potential on Poly(methylene blue) Structure**  
Kaplan I. H., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.  
ELECTROANALYSIS, vol.22, no.22, pp.2694-2701, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Ag NPs-SnO<sub>2</sub>/İndirgenmiş Grafen Oksit Kağıt: Süperkapasitör için Esnek Elektrot Materyali Üretimi**  
Erçarıkçı E., Dağcı Kıranşan 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 Kıranşan 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 Kıranşan K.  
Turkish Journal of Analytical Chemistry, vol.2, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)
- IV. **Askorbik Asit'in Amperometrik Tayini için Esnek, Serbest Duran Nikel Sülfür Temelli Grafen Kağıt Elektrotun Geliştirilmesi**  
Dağcı Kıranşan K.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.60-75, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation and Characterization of MnCo<sub>2</sub>O<sub>4</sub> Modified Flexible Graphene Paper**  
Shafiyev M., Topçu E., Erçarıkçı E., Dağcı Kıranşan K.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.10-23
- II. **Fabrication of MOF-derived Fe<sub>2</sub>O<sub>3</sub> Nanoparticles-decorated Composite Reduced Graphene Oxide Paper Electrode**  
Erçarıkçı E., Dağcı Kıranşan K., Topçu E.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.40
- III. **Supramolecules Modified Gradient Graphene Sponge Material for Solar Steam Generators**  
Dağcı Kıranşan K., Erçarıkçı E., Topçu E.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.31
- IV. **A Flexible Graphene Paper with Ag and Ni Nanoparticles for H<sub>2</sub>O<sub>2</sub> Detection**  
Topçu E., Erçarıkçı E., Dağcı Kıranşan K.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.98-109
- V. **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
- VI. **Ni AND Ag NANOPARTICLES DECORATED FLEXIBLE GRAPHENE PAPERS: THE COMPARISON OF TWO ELECTRODES FOR ELECTROCHEMICAL DETERMINATION OF H<sub>2</sub>O<sub>2</sub>**  
Topçu E., Erçarıkçı E., Dağcı Kıranşan 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. **Production of FeCoP/Graphene Sponge for Flexible Asymmetric Supercapacitor Electrode Material**  
Erçarıkçı E., Dağcı Kıranşan K., Topçu E.  
4th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 28 - 30 September 2022, pp.307-312
- IX. **Fabrication of Flexible ZnP/Graphene Sponge Material**  
Aksu Z., Erçarıkçı E., Dağcı Kıranşan K., Topçu E.  
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.101-102

- X. **Ultralight and Flexible FeZnP/Graphene Sponge**  
Erçarıkcı E., Dağcı Kıranşan K., Topçu E.  
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.99-100
- XI. **A Flexible Freestanding Ag Nanoparticles Decorated Graphene Paper Electrode for Electrochemical Determination of H<sub>2</sub>O<sub>2</sub>**  
TOPÇU E., ERÇARIKCI E., DAĞCI KIRANŞAN K.  
5. International Conference on Life and Engineering Sciences, 19 May 2022
- XII. **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
- XIII. **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
- XIV. **Binary Metal Phosphite/Graphene Sponge: 3D Flexible Electrode for High-Performance Asymmetric Supercapacitor**  
Erçarıkcı E., Dağcı Kıranşan K., Topçu E.  
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022, pp.1-3
- XV. **Ag NPs-SnO<sub>2</sub>/İndirgenmiş Grafen Oksit Kağıt: Süperkapasitör için Esnek Elektrot Materyali Üretimi**  
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.  
International Conference on Design, Research and Development, Turkey, 15 December 2021
- XVI. **Flexible and Ultralight CoZn-MOF/Reduced Graphene Oxide Sponge**  
Erçarıkcı E., Dağcı Kıranşan K., Topçu E.  
5th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE AGRICULTURE, Ağrı, Turkey, 21 - 23 September 2021, pp.228-235
- XVII. **ZnS Nanopartikül Katkılı Kompozit Grafen Kağıt: Seçici Dopamin Tayini İçin Yeni Bir Esnek Elektrokimyasal Sensör**  
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kıranşan K.  
33. Ulusal Kimya Kongresi, İstanbul, Turkey, 7 - 09 October 2021, pp.91
- XVIII. **PRODUCTION OF FLEXIBLE NiCo<sub>2</sub>S<sub>4</sub>/rGO NANOCOMPOSITE PAPER MATERIALS**  
Erçarıkcı E., Dağcı Kıranşan K., Topçu E., Aksu Z.  
International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 7 - 09 April 2021, pp.346-348
- XIX. **Üç Boyutlu ve Esnek PEDOT:PSS/rGO Sünger Materyalin Hazırlanması ve Karakterizasyonu**  
Dağcı Kıranşan K., Topçu E.  
32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020
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## **Tasks In Event Organizations**

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Dağcı Kıranşan K., AKKÖSE A., 5. ULUSLARARASI PALANDÖKEN BİLİMSEL ÇALIŞMALAR KONGRESİ, Scientific Congress, Erzurum, Turkey, Mart 2023  
Dağcı Kıranşan K., III. INTERNATIONAL LIBERTY INTERDISCIPLINARY STUDIES CONFERENCE, Scientific Congress, United States Of America, Ocak 2023  
Tozsın G., Dağcı Kıranşan K., Akköse A., 2nd International Congress on Scientific Advances, Scientific Congress, Turkey, Aralık 2022  
Dağcı Kıranşan K., 2. INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Scientific Congress, Turkey, Aralık 2022  
Dağcı Kıranşan K., TOPÇU E., International Aegean Conferences on Natural & Medical Sciences-VI, Scientific Congress, Turkey, Aralık 2022

Dağcı Kırınşan K., Karaca S., Yeni Nesil Kimyasal Sensörler, Workshop Organization, Turkey, Aralık 2022  
Dağcı Kırınşan K., VI. International Icontech Conference on Innovative Surveys in Positive Sciences, Scientific Congress, Croatia, Aralık 2022  
Dağcı Kırınşan K., Topçu E., International Conference on Engineering Sciences, Scientific Congress, Azerbaijan, Kasım 2022  
Dağcı Kırınşan K., International Conference on Chemical and Biological Sciences (IENSCI-2022), Scientific Congress, Nigeria, Eylül 2022  
Dağcı Kırınşan K., Al –Farabi 4TH International Congress on Applied Sciences, Scientific Congress, Erzurum, Turkey, Ağustos 2022  
Dağcı Kırınşan K., II. INTERNATIONAL LIBERTY INTERDISCIPLINARY STUDIES CONFERENCE, Scientific Congress, United States Of America, Haziran 2022  
Koçyiğit R., Dağcı Kırınşan K., 5. ULUSLARARASI AVRUPA DİSİPLİNLERARASI ARAŞTIRMALAR KONGRESİ, Scientific Congress, Spain, Ocak 2022  
Dağcı Kırınşan K., I. INTERNATIONAL LIBERTY INTERDISCIPLINARY STUDIES CONFERENCE, Scientific Congress, United States Of America, Ocak 2022  
Dağcı Kırınşan K., 4TH International Conference on Physical Chemistry and Functional Materials (PCFM-2021), Scientific Congress, Turkey, Nisan 2021  
Dağcı Kırınşan K., Özyer B., INTERNATIONAL SYMPOSIUM ON APPLIED SCIENCES AND ENGINEERING (ISASE2021), Scientific Congress, Erzurum, Turkey, Nisan 2021  
Dağcı Kırınşan K., 3RD International Conference on Physical Chemistry and Functional Materials (PCFM-2020), Scientific Congress, Turkey, Aralık 2020  
Dağcı Kırınşan K., 2ND INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY & FUNCTIONAL MATERIALS, Scientific Congress, Turkey, Haziran 2019  
Güller P., Çakıcı M., DAĞCI KIRANŞAN K., 25. Ulusal Kimya Kongresi, Scientific Congress, Erzurum, Turkey, Temmuz 2011  
Kadioğlu Y., Demirkaya Miloğlu F., DAĞCI KIRANŞAN K., 5. Ulusal Analitik Kimya Kongresi, Scientific Congress, Erzurum, Turkey, Haziran 2010

## Metrics

Publication: 104

Citation (WoS): 606

Citation (Scopus): 605

H-Index (WoS): 15

H-Index (Scopus): 16

## Congress and Symposium Activities

6. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Attendee, Antalya, Turkey, 2023  
33. Genel Kimya Kongresi, Attendee, Tekirdağ, Turkey, 2021  
33. Ulusal Kimya Kongresi, Session Moderator, Tekirdağ, Turkey, 2021  
5th International Conference on ADVANCES IN NATURAL & APPLIED SCIENCES, Attendee, Ağrı, Turkey, 2021  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Attendee, Gaziantep, Turkey, 2020  
3rd International Conference on Physical Chemistry and Functional Materials (PCFM'20) September 22-24, 2020  
Malatya Turgut Özal University, Malatya-Turkey, Attendee, Malatya, Turkey, 2020  
32. Ulusal Kimya Kongresi, Attendee, Eskişehir, Turkey, 2020  
3. international Conference and Advanced Engineering Technologies, Attendee, Bayburt, Turkey, 2019  
31. Ulusal Kimya Kongresi, Attendee, İstanbul, Turkey, 2019  
31. Ulusal Kimya Kongresi, Attendee, İstanbul, Turkey, 2019



2ND INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY & FUNCTIONAL MATERIALS, Attendee, Nevşehir, Turkey, 2019

2ND INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY & FUNCTIONAL MATERIALS, Attendee, Nevşehir, Turkey, 2019

Characterization of Electrochemical Synthesized Graphene Oxide-CoMOFs on Graphene Paper” Ulusal Nanobilim ve Nanoteknoloji Konferansı, NanoTR14, Attendee, Turkey, 2018

Porous Gold Film Loaded on Flexible Reduced Graphene Oxide Paper Prepared by Electrodeposition” Ulusal Nanobilim ve Nanoteknoloji Konferansı, NanoTR14., Attendee, Turkey, 2018

Radiation Attenuation Of Graphene Oxide (Go) Modified Poly(Methylene Blue) Nanocomposite Thin Films” International Conference on Semiconductor Materials and Devices (ICSMD) and Functional Materials, Attendee, Ardahan, Turkey, 2018

Characterization and Applications of Composite Graphene Papers Prepared in Different Compositions” International Conference on Semiconductor Materials and Devices (ICSMD) and Functional Materials, Attendee, Turkey, 2018

Fabrication and Characterization of Gold Nanoparticles Decorated Reduced Graphene Oxide Paper” International Conference on Physical Chemistry and Functional Materials, Attendee, Elazığ, Turkey, 2018

Flexible and Free-Standing Graphene Oxide Paper Decorated with Metal Organic Frameworks” International Conference on Physical Chemistry and Functional Materials, Attendee, Turkey, 2018

Electrochemical Crystallization of Ternary Semiconductor Thin Films on Free-standing and Flexible Graphene Paper”, Italian Crystal Growth, Attendee, --Seçiniz--, Italy, 2017

Ulusal Nanobilim ve Nanoteknoloji Konferansı, NanoTR13, Free-Standing and Flexible MoS<sub>2</sub>/rGO Paper Electrode for Amperometric Dedection of Folic Acid, Attendee, Antalya, Turkey, 2017

Characterization and Preparation Free-Standing and Flexible Pt-MoS<sub>2</sub>/rGO Paper Electrode for Hydrogen Evolution Reaction”International Congress on Chemisrty and Materials Science (ANCON), Attendee, Ankara, Turkey, 2017

Biosensors Application of Enzyme Immobilized to Cationic Octadecylamine By Langmuir- Blodgett Techniques” International Conference on Semiconductor Materials and Devices (ICSMD) and Functional Materials, Attendee, Turkey, 2017

Free-standing Graphene-based Papers For Electrochemical Sensor Applications”, Poster Sunumu, Matrafured 2017- International Conference On Electrochemical Sensors, Attendee, Hungary, 2017

INTERNATIONAL DNA DAY AND GENOME CONGRESS/Flexible and Freestanding Catalase-Fe<sub>3</sub>O<sub>4</sub>/Reduced Graphene Oxide Hybride Paper: Enzymatic Hydrogen Peroxide Sensor Applications, Attendee, Kırşehir, Turkey, 2017

2nd INTERNATIONAL TURKIC WORLD CONFRANCE ON CHEMICAL SCIENCES AND TECHNOLOGIES/Immobilization of Malate Dehydrogenase Enzyme by Langmuir Blodgett Techniqueand Its Biosensor Applications” II International Turkic Word Conference on Chemical Sciences and Tecnologies, Attendee, Macedonia, 2016

3. Emerging 2D Materials and Graphene Conference/Flexible and Electrically Conductive Fe<sub>3</sub>O<sub>4</sub> rGO Paper Electrode and Its Catalytical Application, Attendee, Turkey, 2016

11. International Conference on Protein Stabilisation/ In Situ Synthesized rGO Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanocomposites for Immobilization of Carbonic Anhydrase, Attendee, Turkey, 2016

International Workshop on Special Topics on Polymer Composites /Fabrication and amperometric sensor application of free-standing graphene paper electrodes decorated with dye polymers, Attendee, Turkey, 2016

5. Physical Chemistry Congress/Praparation of graphene/Ag nanoparticle/poly(pyronin Y) hybride paper electrodes and their application for amperometric detection of nitrite, Attendee, Turkey, 2015

ICREA Workshop on Graphene Biosensors/A sensitive NADH biosensor based on flexible and free-standing graphene/poly(MB)/AgNPs paper” ICREA Workshop on Graphene Biosensors, Attendee, Spain, 2015

Nanocon2014/Role of preparation procedure of graphene on the electrochemical performance of free-standing graphene/methylene blue/silver nanoparticle composite electrodes, Attendee, Czech Republic, 2014

” Nano-TR-10/Preparation of Highly Conductive, Flexible, and Free-standing Graphene Composite Paper, Attendee, Turkey, 2014

10th International Electrochemistry Meeting/Cooperative effect of poly(methylene blue) and graphene on the electrocatalytic oxidation of nitrite, Attendee, Turkey, 2013

10th International Electrochemistry Meeting/Effect of The Temperature on Zn<sup>2+</sup> Ion Electroreduction in the Presence of n-Octanoyl-n-Methylglucamine, Attendee, Turkey, 2013

Nano-TR-9/Electrochemical Synthesis of Highly-Oriented Ternary Semiconductive PbSe(1-x)Sx Thin Films, Attendee, Turkey, 2013

NanotechItaly2012/Electrochemical preparation of graphene/poly(methylene blue) nanocomposite thin films, Attendee, Italy, 2012

6. National Analytical Chemistry Congress/Electrochemical preparation and characterization of graphene/poly(methylene blue) nanocomposite thin films, Attendee, Turkey, 2012

6. National Analytical Chemistry Congress/ Amperometric determination of nitrite by polymeric pyronin Y thin films, Attendee, Turkey, 2012

9. International Electrochemistry Meeting/Electrochemical preparation of pyronine Y thin films, Attendee, İzmir, Turkey, 2011

25. National Chemistry Congress with international participation/ Surface-confined electropolymerization of methylene blue monolayers, Attendee, Turkey, 2011

5. Analytical Chemistry Congress /Effect of surfactants on the formation of poly(azure A) thin films, Attendee, Turkey, 2010

Nano-TR-VI /Investigation of nucleation and growth mechanism during formation of poly(azure A), Attendee, Turkey, 2010

8. International Electrochemistry Meeting/Electrochemical synthesis of highly oriented methylene blue monolayers", Attendee, Antalya, Turkey, 2009

Nano-TR-V /Effect of electrooxidation potential on thin film structure of poly(methylene blue), Attendee, Turkey, 2009

## Scholarships

Yurt içi doktora burs programı, TÜBİTAK, 2011 - 2015

Yurt içi yüksek lisans burs programı, TÜBİTAK, 2009 - 2011

## Awards

Dağcı Kıranşan K., Bilimsel Teşvik Ödülü, Atatürk Üniversitesi, May 2022

Dağcı Kıranşan K., Bilimsel Teşvik Ödülü, Atatürk Üniversitesi, April 2022

Dağcı Kıranşan K., 2020-2021 Bilimsel Proje ve Patent Ödül Töreni, Atatürk Üniversitesi, November 2021

Dağcı Kıranşan K., 2021-2021 Bilimsel Proje ve Patent Ödül Töreni, Atatürk Üniversitesi, November 2021

Dağcı Kıranşan K., TÜBİTAK proje ödülü, Atatürk Üniversitesi, June 2020

DAĞCI KIRANŞAN K., Tez makalesi ödülü, Atatürk Üniversitesi, September 2012

## Non Academic Experience

Marie Curie Sklodowska Üniversitesi /Polonya