

# Prof. İSHAK AFŞİN KARİPER

## Personal Information

**Email:** akariper@erciyes.edu.tr

**Web:** <https://avesis.erciyes.edu.tr/akariper/>

## International Researcher IDs

ScholarID: Q0ww3ssAAAAJ

ORCID: 0000-0001-9127-301X

ScopusID: 36082637200

Yoksis Researcher ID: 118588

## Education Information

Doctorate, Erciyes University, Fen Bilimleri, Kimya, Turkey 2008 - 2013

Postgraduate, Erciyes University, Fen Bilimleri, Kimya, Turkey 2006 - 2008

Undergraduate, Erciyes University, Fen Bilimleri, Kimya, Turkey 2001 - 2005

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Bazı Metal Ksantat İnce Filmlerin Kimyasal Depolama Yöntemi ile Eldesi ve İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2013

Postgraduate, katı faz ekstraksiyonu ile eser element zenginleştirilmesi, Erciyes Üniversitesi, Kimya, 2008

## Research Areas

Social Sciences and Humanities, Education, Education in Natural Sciences, Education in Chemistry, Basic Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Chemistry, Physical Chemistry, Spectroscopy, Surface Chemistry

## Academic Titles / Tasks

Associate Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2018 - Continues

Research Assistant PhD, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2013 - 2018

Research Assistant, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. Enhanced anticancer effect of newly synthesised albumin-bound Fe(III)-S-Methyl-

### **thiosemicarbazones on breast cancer cells**

Danışman-Kalındemirtaş F., Erdem-Kuruca S., Cilasun G. E., Sert E., Özerkan D., Demirci T. B., Ülküseven B., Kariper İ. A.

JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.18, no.1, pp.1-18, 2024 (SCI-Expanded)

### **II. Antiproliferative effects of 5FU-AgNPs on different breast cancer cells**

Danışman-Kalındemirtaş F., Kariper İ. A., Üstündağ H., Özsoy C., Erdem-Kuruca S.

JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.18, no.1, pp.1-12, 2024 (SCI-Expanded)

### **III. Resveratrol-Loaded Silver Nanoparticles as an Effective Strategy for Targeted Breast Cancer Therapy**

Topçu E., Hepokur C., Kariper İ. A., Emre Öksüz K., Yaylim İ.

CHEMISTRYSELECT, vol.9, no.41, pp.1-9, 2024 (SCI-Expanded)

### **IV. Molecular mechanisms of resveratrol and its silver nanoparticle conjugate in addressing sepsis-induced lung injury**

ÜSTÜNDAĞ H., Kara A., Doğanay S., KURT N., Erbaş E., Kalındemirtaş F. D., KARİPER İ. A.

Naunyn-Schmiedeberg's Archives of Pharmacology, vol.397, no.8, pp.6249-6261, 2024 (SCI-Expanded)

### **V. After-effects of a closed copper mine: detailed analysis of environmental impacts in soil and plant samples**

Konanc M. U., Değermenci G. D., Kariper İ. A., Yavuz E.

ENVIRONMENTAL EARTH SCIENCES, vol.83, no.13, pp.1-16, 2024 (SCI-Expanded)

### **VI. Hydrovoltaic energy**

Bolsu Kariper S., KARİPER İ. A.

Synthetic Metals, vol.305, 2024 (SCI-Expanded)

### **VII. Photosynthetic Energy Nanogenerators**

Kariper S. E. B., KARİPER İ. A.

ENERGY TECHNOLOGY, vol.12, no.7, 2024 (SCI-Expanded)

### **VIII. Shielding performance of nano palladium-coated stainless steels against electromagnetic interference in 5G networks**

Sorgucu U., Kariper İ. A.

WAVES IN RANDOM AND COMPLEX MEDIA, vol.1, no.1, pp.1-19, 2024 (SCI-Expanded)

### **IX. Pectin Supercapacitor Applications**

Usan H., Kariper S. E. B., KARİPER İ. A., Koc D. I.

NANO, vol.19, no.5, 2024 (SCI-Expanded)

### **X. Comparison of Selenic Acid and Pyruvic Acid-Loaded Silver Nanocarriers Impact on Colorectal Cancer Viability.**

Erdemir G., Danışman-Kalındemirtaş F., Kariper İ. A., Kuruca D. S., Özerkan D.

Journal of fluorescence, vol.34, no.3, pp.1025-1037, 2024 (SCI-Expanded)

### **XI. Investigation of electromagnetic shielding effectiveness of nano silver coated stainless steels**

Sorgucu U., KARİPER İ. A.

Optical Materials, vol.149, 2024 (SCI-Expanded)

### **XII. Effect of acid catalysts on amorphous graphene oxide aerogel production Wirkung saurer Katalysatoren auf die Herstellung von amorphem Graphenoxid-Aerogel**

Kariper S., KARİPER İ. A., MERCAN S., Özden P.

Materialwissenschaft und Werkstofftechnik, vol.55, no.3, pp.330-336, 2024 (SCI-Expanded)

### **XIII. Pre service teachers' engagement with stem-based hands-on activities in online chemistry laboratory courses**

Coskun Karabulut H., ELCAN KAYNAK N., KARİPER İ. A.

RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.42, no.4, pp.1209-1229, 2024 (SSCI)

### **XIV. Implementation of discovery learning-based STEM education with hands-on activities in distance education**

Karabulut H., Gökçe H., KARİPER İ. A.

Innovations in Education and Teaching International, 2024 (SSCI)

- XV. **Synthesis and Characterization of Paclitaxel-Loaded Silver Nanoparticles: Evaluation of Cytotoxic Effects and Antimicrobial Activity**  
TUNÇ T., Hepokur C., KARİPER İ. A.  
Bioinorganic Chemistry and Applications, vol.2024, 2024 (SCI-Expanded)
- XVI. **Investigation of photodetector performance based on methylammonium lead halide perovskites/reduced graphene oxide heterostructure**  
Jaf H. A. O., Pakma O., Özden Ş., KARİPER İ. A., Korkmaz S., Güneşer M. T.  
Journal of Materials Science: Materials in Electronics, vol.34, no.34, 2023 (SCI-Expanded)
- XVII. **Uranium-anchored carbon nanotube-based hybrid nanostructure: A promising electrode material for high-performance ultracapacitors**  
KARİPER İ. A., KARAMAN O., KARAMAN C.  
CERAMICS INTERNATIONAL, vol.49, no.23, pp.37737-37745, 2023 (SCI-Expanded)
- XVIII. **Effect of silver doping on electrical characteristics of aluminum/HfO<sub>2</sub>/p-silicon metal-oxide-semiconductor devices**  
Demir A., Pakma O., Kariper İ. A., Özden Ş., Avcı N.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.38, no.12, pp.1-11, 2023 (SCI-Expanded)
- XIX. **Uranium-based electrode material for the high-performance supercapacitors**  
KARAMAN C., KARİPER İ. A., KARAMAN O.  
Journal of Energy Storage, vol.72, 2023 (SCI-Expanded)
- XX. **Aptamer-based impedimetric label-free detection of bisphenol A from water samples using a gold nanoparticle-modified electrochemical nanofilm platform**  
Saygılı-Canlıdınç R., ÇAĞLAYAN M. O., KARİPER İ. A., Üstündağ Z., ŞAHİN S.  
Journal of Applied Electrochemistry, vol.53, no.11, pp.2239-2248, 2023 (SCI-Expanded)
- XXI. **Enhanced Efficacy of Resveratrol Loaded Silver Nanoparticle in Attenuating Sepsis-Induced Acute Liver Injury: Modulation of Inflammation, Oxidative Stress, and SIRT1 Activation.**  
Üstündağ H., Danışman Kalındemirtaş F., Doğanay S., Demir Ö., Kurt N., Tahir Huyut M., Özgeriş B., Kariper İ. A.  
Shock (Augusta, Ga.), vol.60, pp.688-697, 2023 (SCI-Expanded)
- XXII. **Correction to: Comparison of Selenic Acid and Pyruvic Acid-Loaded Silver Nanocarriers Impact on Colorectal Cancer Viability**  
Erdemir G., Danışman-Kalındemirtaş F., Kariper İ. A., Kuruca D. S., Özerkan D.  
JOURNAL OF FLUORESCENCE, vol.1, no.1, pp.1-2, 2023 (SCI-Expanded)
- XXIII. **Electrical and photoresponse properties of metal-polymer-semiconductor device with TMPTA interface material**  
Pakma O., Özenç M. E., Özden P., Avcı N., Özden Ş., Kariper İ. A.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.34, no.27, pp.1-12, 2023 (SCI-Expanded)
- XXIV. **Preparation of CO<sub>2</sub> adsorbing polyester fabric by treating it with titanium isopropyl alcohol**  
KARİPER İ. A.  
Indian Journal of Fibre and Textile Research, vol.48, no.3, pp.302-309, 2023 (SCI-Expanded)
- XXV. **Molecular modeling study on the water-electrode surface interaction in hydrovoltaic energy**  
SERDAROĞLU G., KARİPER İ. A., Kariper S. E. B.  
Scientific reports, vol.13, no.1, pp.12803, 2023 (SCI-Expanded)
- XXVI. **Synthesis and Anticancerogenic Effect of New Generation Ruthenium-Based Nanoparticle from Homalothecium sericeum with Eco-Friendly Method**  
Samir N., Özerkan D., Danışman-Kalındemirtaş F., KARİPER İ. A., Bulut H., Kuruca D. S., Altuner E. M., Ulukaya E.  
Journal of Pharmaceutical Innovation, vol.18, no.2, pp.756-767, 2023 (SCI-Expanded)
- XXVII. **Tetracycline removal from aqueous solution by electrooxidation using ruthenium-coated graphite anode**  
Köktaş İ. Y., GÖKKUŞ Ö., KARİPER İ. A., Othmani A.  
Chemosphere, vol.315, 2023 (SCI-Expanded)
- XXVIII. **Propolis nanoparticles synthesis and characterization with cytotoxic and apoptotic effects on breast cancer cells**

- Ay E. N., Caner A., Özsoy Hepokur C., DANIŞMAN KALINDEMİRTAŞ F., Özen Eroğlu G., KARİPER İ. A.  
Journal of Taibah University for Science, vol.17, no.1, 2023 (SCI-Expanded)
- XXIX. **The Novel 5-Fluorouracil Loaded Ruthenium-based Nanocarriers Enhanced Anticancer and Apoptotic Efficiency while Reducing Multidrug Resistance in Colorectal Cancer Cells**  
Danışman-Kalindemirtaş F., Özerkan D., KARİPER İ. A., Bulut H.  
Journal of Fluorescence, vol.33, 2023 (SCI-Expanded)
- XXX. **Engineering of GO/MWCNT/RuO<sub>2</sub> ternary aerogel for high-performance supercapacitor**  
Karimi F., Korkmaz S., KARAMAN C., KARAMAN O., KARİPER İ. A.  
Fuel, vol.329, 2022 (SCI-Expanded)
- XXXI. **A new method for synthesis of carbon nanoparticle and its applications**  
KARİPER İ. A., ÖZSOY C., DANIŞMAN KALINDEMİRTAŞ F., Kuruca S. E.  
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.16, no.1, pp.966-975, 2022 (SCI-Expanded)
- XXXII. **Evaluation of anticancer effects of carboplatin–gelatin nanoparticles in different sizes synthesized with newly self-assembly method by exposure to IR light**  
Danışman-Kalindemirtaş F., Kariper İ. A., Erdemir G., Sert E., Erdem-Kuruca S.  
SCIENTIFIC REPORTS, vol.12, no.1, pp.1-15, 2022 (SCI-Expanded)
- XXXIII. **Synthesis of MgO thin films: How heat treatment affects their structural, electro-optical, and surface properties**  
Meydaneri Tezel F., Veli U., Kariper İ. A.  
MATERIALS TODAY COMMUNICATIONS, vol.33, pp.1-10, 2022 (SCI-Expanded)
- XXXIV. **Irradiated rGO electrode-based high-performance supercapacitors: Boosting effect of GO/rGO mixed nanosheets on electrochemical performance**  
KARAMAN O., KARİPER İ. A., Korkmaz S., Karimi-Maleh H., Usta M., KARAMAN C.  
Fuel, vol.328, 2022 (SCI-Expanded)
- XXXV. **Production of diamond-like carbon powder in nano size**  
KARİPER İ. A.  
BULLETIN OF MATERIALS SCIENCE, vol.45, no.4, 2022 (SCI-Expanded)
- XXXVI. **Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material**  
Karimi-Maleh H., Kariper İ. A., Karaman C., Korkmaz S., Karaman O.  
FUEL, vol.325, pp.1-15, 2022 (SCI-Expanded)
- XXXVII. **The evaluation of anticancer activity by synthesizing 5FU loaded albumin nanoparticles by exposure to UV light.**  
Kalindemirtaş F. D., Kariper İ. A., Sert E., Okşak N., Kuruca S. E.  
Toxicology in vitro : an international journal published in association with BIBRA, vol.84, pp.105435, 2022 (SCI-Expanded)
- XXXVIII. **Structural, surface, optical, and antimicrobial characterization of I<sub>2</sub>/Polymethyl methacrylate and CuS/I<sub>2</sub>/polymethyl methacrylate thin films**  
Meydaneri Tezel F., Kariper İ. A., Kaan D., Bahar D.  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.99, no.11, pp.1-8, 2022 (SCI-Expanded)
- XXXIX. **The performance of a new electrolyte for organic supercapacitors: Poly(hydridarbyne)**  
Kariper İ. A.  
Journal of the Indian Chemical Society, vol.99, no.10, 2022 (SCI-Expanded)
- XL. **The electrical characterization of metal–insulator–semiconductor device with β-naphthol orange interface**  
Özerden E., Özden P., Afşin Kariper İ. A., Pakma O.  
Journal of Materials Science: Materials in Electronics, vol.33, no.26, pp.20900-20910, 2022 (SCI-Expanded)
- XLI. **Determination of the chemical composition and Raman characterization of barite samples from Denizli and Akdamadeni, Turkey, using Energy Dispersive X-ray fluorescence and Raman microscopy**  
KADIOĞLU Y. K., KARİPER İ. A., Üstündağ İ.  
Journal of the Indian Chemical Society, vol.99, no.9, 2022 (SCI-Expanded)

- XLII. **High energy supercapacitors based on functionalized carbon nanotubes: Effect of atomic oxygen doping via various radiation sources**  
KARİPER İ. A., Korkmaz S., KARAMAN C., KARAMAN O.  
FUEL, vol.324, 2022 (SCI-Expanded)
- XLIII. **Production and characterization of Cu-doped perovskite thin film electrodes for supercapacitors**  
Tezel M., Gueven F. N., KARİPER İ. A.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.143, 2022 (SCI-Expanded)
- XLIV. **MWCNT/Ruthenium hydroxide aerogel supercapacitor production and investigation of electrochemical performances.**  
Korkmaz S., Kariper İ. A., Karaman C., Karaman O.  
Scientific reports, vol.12, no.1, pp.12862, 2022 (SCI-Expanded)
- XLV. **Physical investigations of vanadium oxide thin films on p-Si substrate**  
Bilgen Y., Pakma O., KARİPER İ. A., Ozden S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.20, pp.16263-16271, 2022 (SCI-Expanded)
- XLVI. **A critical review: Electromagnetic shielding for pyrrole used textile materials**  
Bicer N., Celik I. T., KARİPER İ. A.  
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.1\_SUPPL, 2022 (SCI-Expanded)
- XLVII. **Influence of illumination intensity on the electrical properties of Al/NOA65/p-Si/Al heterojunction MPS device**  
Ozden S., Avci N., Pakma O., KARİPER İ. A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.16, pp.12796-12807, 2022 (SCI-Expanded)
- XLVIII. **Electroanalytical Determination of Sudan I Using Gold Nanoparticle/Graphene Nanoribbons-Modified Glassy Carbon Electrode**  
Asik I., Ustundag Z., KARİPER İ. A.  
ELECTROCATALYSIS, vol.13, no.3, pp.338-347, 2022 (SCI-Expanded)
- XLIX. **The role of deposition temperatures on supercapacitor evaluation of modified MWCNT/molybdenum oxide thin films**  
Tezel F. M., Tamer S., KARİPER İ. A.  
PHYSICA B-CONDENSED MATTER, vol.633, 2022 (SCI-Expanded)
- L. **Temperature Dependent Current Transport Mechanism of Photopolymer Based Al/NOA60/p-Si MPS Device**  
Ozden S., Avci N., Pakma O., KARİPER İ. A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, no.5, pp.1810-1818, 2022 (SCI-Expanded)
- LI. **PROJECT STAR (Midwestern Prevention Project): Overview**  
Göçmen A., Derin N., Metin A., Kariper İ. A.  
JOURNAL OF COMMUNITY PSYCHOLOGY, vol.50, no.3, pp.1361-1375, 2022 (SSCI)
- LII. **Conductive Ink Next Generation Materials: Silver Nanoparticle/Polyvinyl Alcohol/Polyaniline**  
KARİPER İ. A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, no.4, pp.1277-1286, 2022 (SCI-Expanded)
- LIII. **BaTiO<sub>3</sub>-based nanogenerators: fundamentals and current status**  
Korkmaz S., KARİPER İ. A.  
JOURNAL OF ELECTROCEAMICS, vol.48, no.1, pp.8-34, 2022 (SCI-Expanded)
- LIV. **Synthesis and characterization of RuO<sub>2</sub> thick film supercapacitor electrode: the effect of low temperature**  
KARİPER İ. A., Tezel F. M.  
BULLETIN OF MATERIALS SCIENCE, vol.44, no.4, 2021 (SCI-Expanded)
- LV. **NOA61 photopolymer as an interface for Al/NOA61/p-Si/Al heterojunction MPS device**

Ozden S., Avci N., Pakma O., KARİPER İ. A.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.23, pp.27688-27697, 2021 (SCI-Expanded)

- LVI. **The production of rGO/ RuO<sub>2</sub> aerogel supercapacitor and analysis of its electrochemical performances**  
Korkmaz S., KARİPER İ. A., KARAMAN O., KARAMAN C.  
Ceramics International, vol.47, pp.34514-34520, 2021 (SCI-Expanded)
- LVII. **Reduced graphene oxide/molybdenum oxide thin films and its' capacitance properties: Different substrates effect**  
Korkmaz S., Tezel F. M., KARİPER İ. A.  
JOURNAL OF ENERGY STORAGE, vol.40, 2021 (SCI-Expanded)
- LVIII. **Effects of pH on the optical, structural and supercapacitive properties of BiTe thin films produced via CBD**  
Tezel N. S., Tezel F. M., KARİPER İ. A.  
BULLETIN OF MATERIALS SCIENCE, vol.44, no.2, 2021 (SCI-Expanded)
- LIX. **Pyroelectric nanogenerators (PyNGs) in converting thermal energy into electrical energy: Fundamentals and current status**  
Korkmaz S., KARİPER İ. A.  
NANO ENERGY, vol.84, 2021 (SCI-Expanded)
- LX. **Review of international programs fighting against drugs**  
Göçmen A., Derin N., METİN A., ÖZTÜRK M. E., KARİPER İ. A.  
Journal of Substance Use, vol.26, pp.228-233, 2021 (SSCI)
- LXI. **A low-cost, high-efficiency, new generation material for fog harvesting fumed silica-doped polypropylene**  
KARİPER İ. A.  
NPJ CLEAN WATER, vol.4, no.1, 2021 (SCI-Expanded)
- LXII. **A NEW APPROACH TO PREPARE POLYCRYSTALLINE PbTe-TeO THIN FILM, AND ITS OPTICAL, STRUCTURAL, SURFACE AND ELECTRICAL CHARACTERIZATION**  
Tezel F. M., KARİPER İ. A.  
SURFACE REVIEW AND LETTERS, vol.28, no.04, 2021 (SCI-Expanded)
- LXIII. **A sensitive spectrophotometric ellipsometry based Aptasensor for the vascular endothelial growth factor detection**  
KARİPER İ. A., Üstündağ Z., Caglayan M. O.  
Talanta, vol.225, 2021 (SCI-Expanded)
- LXIV. **Production and applications of flexible/wearable triboelectric nanogenerator (TEGNS)**  
Korkmaz S., KARİPER İ. A.  
Synthetic Metals, vol.273, 2021 (SCI-Expanded)
- LXV. **Selective cytotoxicity of paclitaxel bonded silver nanoparticle on different cancer cells**  
Danışman-Kalındemirtaş F., Kariper İ. A., HEPOKUR C., Erdem-Kuruca S.  
Journal of Drug Delivery Science and Technology, vol.61, 2021 (SCI-Expanded)
- LXVI. **Synthesize of WO<sub>3</sub> thin film supercapacitor and its characterization**  
KARİPER İ. A., Tezel F. M., GÖKKUŞ Ö.  
PHYSICS LETTERS A, vol.388, 2021 (SCI-Expanded)
- LXVII. **Effects of deposition temperatures on the supercapacitor cathode performances of GO:SnSbS/Si thin films**  
Korkmaz S., Tezel F. M., KARİPER İ. A., Serin A.  
JOURNAL OF ENERGY STORAGE, vol.33, 2021 (SCI-Expanded)
- LXVIII. **Synthesis and characterization of magnesium oxide / silver oxide electrode for supercapacitors by simple Sol-Gel process**  
KARİPER İ. A., MEYDANERİ TEZEL F.  
Journal of Energy Storage, vol.32, 2020 (SCI-Expanded)

- LXIX. **Aerogel based nanogenerators: Production methods, characterizations and applications**  
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- LXX. **The synthesis of GO: SnSbS thin films and the analysis of its electrochemical performance**  
Tezel F. M., Korkmaz S., Serin A., KARİPER İ. A.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.838, 2020 (SCI-Expanded)
- LXXI. **Radioactive rays shielding film: coating on amorphous glass**  
KARİPER İ. A., MEYDANERİ TEZEL F., Usta M.  
OPTICAL AND QUANTUM ELECTRONICS, vol.52, no.10, 2020 (SCI-Expanded)
- LXXII. **A NOVEL METHOD FOR PRODUCING NANOSTRUCTURED CdSe THIN FILM**  
KARİPER İ. A.  
SURFACE REVIEW AND LETTERS, vol.27, no.7, 2020 (SCI-Expanded)
- LXXIII. **Effect of acids on thermal insulation of solid powder silica aerogels**  
Afşin Kariper İ. A.  
Ceramics International, vol.46, no.7, pp.8669-8674, 2020 (SCI-Expanded)
- LXXIV. **STRUCTURAL AND OPTICAL PROPERTIES OF UNDOPED AND SILVER, LITHIUM AND COBALT-DOPED ZnO THIN FILMS**  
MEYDANERİ TEZEL F., KARİPER İ. A.  
SURFACE REVIEW AND LETTERS, vol.27, no.4, 2020 (SCI-Expanded)
- LXXV. **AMORPHOUS PbSe THIN FILM PRODUCED BY CHEMICAL BATH DEPOSITION AT pH OF 5-8**  
Kariper İ. A.  
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- LXXVI. **Fog harvesting against water shortage**  
Korkmaz S., KARİPER İ. A.  
ENVIRONMENTAL CHEMISTRY LETTERS, vol.18, no.2, pp.361-375, 2020 (SCI-Expanded)
- LXXVII. **Facile synthesis and characterization of graphene oxide/tungsten oxide thin film supercapacitor for electrochemical energy storage**  
Korkmaz S., Tezel F. M., KARİPER İ. A.  
Physica E: Low-Dimensional Systems and Nanostructures, vol.116, 2020 (SCI-Expanded)
- LXXVIII. **Graphene and graphene oxide based aerogels: Synthesis, characteristics and supercapacitor applications**  
Korkmaz S., KARİPER İ. A.  
JOURNAL OF ENERGY STORAGE, vol.27, 2020 (SCI-Expanded)
- LXXIX. **Glass formation, production and superior properties of Zr-based thin film metallic glasses (TFMGs): A status review**  
Korkmaz S., KARİPER İ. A.  
Journal of Non-Crystalline Solids, vol.527, 2020 (SCI-Expanded)
- LXXX. **Silver nanoparticle/capecitabine for breast cancer cell treatment**  
ÖZSOY C., KARİPER İ. A., MISIR S., Ay E., Tunoglu S., Ersez M. S., ZEYBEK Ş. Ü., KURUCA D. S., YAYLIM İ.  
TOXICOLOGY IN VITRO, vol.61, 2019 (SCI-Expanded)
- LXXXI. **Evaluation of nanomanganese decorated typha tassel carbonaceous electrode: preparation, characterization, and simultaneous determination of Cd<sup>2+</sup> and Pb<sup>2+</sup>**  
Gulesen M., Erkal-Aytemur A., Yavuz S., Akbulut A., Kariper I. A., Üstündağ İ.  
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- LXXXII. **Ag-doped HfO<sub>2</sub> thin films via sol-gel dip coating method**  
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- LXXXIII. **Amorphous PbSe Thin Film with Chemical Bath Deposition at pH: 5-8**  
Kariper I. A.  
Surface Review And Letters, vol.1, no.1, pp.1-5, 2019 (SCI-Expanded)
- LXXXIV. **Elemental monitoring of street dusts in Konya in Turkey**

- Kariper I. A., Üstündağ İ., Deniz K., Mülazımoğlu İ. E., Erdoğan S., Kadioğlu Y. K.  
MICROCHEMICAL JOURNAL, vol.148, pp.338-345, 2019 (SCI-Expanded)
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- KARİPER İ. A., Other International Funding Programs, Farklı Kimyasallarla Rhombohedral Yapıda Silicon Carbide Sentezi, 2016 - Continues
- KARİPER İ. A., Other International Funding Programs, Benzanilit molibdat kapasitörlerin sentezi ve üretimi, 2016 - Continues
- KARİPER İ. A., Other International Funding Programs, Enzim immobilizasyonu için yeni akrilamid türevli GALL kompozitleri POLİMERLERİNİN üretimi, 2016 - Continues
- KARİPER İ. A., Industrial Thesis Project, Yapay Elmas Kaplama, 2015 - Continues
- Kariper İ. A., KOSGEB, Hint kenevirinden Nanoselüloz üretimi, 2023 - 2025
- KARİPER İ. A., ALTINIŞIK Y., Project Supported by Higher Education Institutions, 7 Sınıf Öğrencilerinin Fen Bilimleri Dersinde Kanserli Hücre ve Normal Hücre Bölünmesi Arasındaki Farkı Metaverse ile Deneyimlemelerine İlişkin Görüşleri, 2023 - 2024
- KARİPER İ. A., ÖZDEMİR F. N., Project Supported by Higher Education Institutions, 8 Sınıf öğrencilerinin asitler ve bazlar konusunda laboratuvar ortamında ve metaverse ortamındaki deneyimleri, 2023 - 2024
- Kariper İ. A., Erler M., Öztürk M. E., Aksu Ö., Erasmus Project, Ontwikkeling van transnationale samenwerking op het gebied van cultuursensitieve thuis- en ouderenzorg (OSC) / Developing Transnational Cooperation on the On-Site Care (OSC), 2023 - 2024
- KARİPER İ. A., TENKEKİGİL E., Project Supported by Higher Education Institutions, Fen Bilgisi Öğretmen Adaylarının Nanobilim ve Nanoteknoloji Hakkındaki Görüşlerinin Belirlenmesi ve Etkinliklerle Geliştirilmesi, 2023 - 2023
- Öztürk M. E., Metin A., Aksu Ö., Kariper İ. A., Culture and Tourism Ministry, Kültürel ve Yaratıcı Endüstriler (CCI) NEET Ekosistemi Geliştirme Projesi, 2022 - 2023
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- KARİPER İ. A., KORKMAZ S., Project Supported by Higher Education Institutions, Organik Süperkapasitör Üretimi, 2020 - 2021
- Kariper İ. A., Biçer N., TUBITAK Project, karbondioksit adsorpsiyonu sağlayarakuyku sürecinde solunum kalitesini desteklemeye yönelik örme yatak kumaşı geliştirilmesi , 2019 - 2020
- Kariper İ. A., Biçer N., Technopark, Elektromanyetik Kalkanlama Özelliğine Sahip Örme Yatak Kumaşlarının Üretimi , 2019 - 2020
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KARİPER İ. A., Plastik Silika Aerojellerin Üretimi ve Isı Yalıtımı (Başvuruldu), Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2018

KARİPER İ. A., Selenyum ve Silisyum kaynaklı ksantat kapasitörlerin sentezi ve üretimi (Başvuruldu), Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2016

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KARİPER İ. A., Enzim immobilizasyonu için yeni akrilamid türevli GALL kompozitleri polimerlerinin üretimi (Başvuruldu),

Patent, CHAPTER A Human Needs, Standard Registration, 2016

KARİPER I. A., Demir katkılı Tellur ksantat kapasitörlerin sentezi ve üretimi (Başvuruldu), Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2016

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KARİPER I. A., İlaç Salınımı için poly(nipam-akrilamid-maleik asit) ve poly(nipam-akrilamid-maleik asit-sepiyolit) krojojel polimerlerinin üretimi, Patent, CHAPTER A Human Needs, Standard Registration, 2015

## Activities in Scientific Journals

Journal of Turkish Applied Sciences and Engineering, Committee Member, 2016 - Continues

Materials Magazines, Editor, 2016 - Continues

Education (Science PG), Special Issue Editor, 2015 - Continues

Current Physical Chemistry, Special Issue Editor, 2014 - Continues

International Journal of Materials Science and Applications, Special Issue Editor, 2014 - Continues

Journal of European Education, Assistant Editor/Section Editor, 2012 - Continues

European Journal of Physics Education, Assistant Editor/Section Editor, 2012 - Continues

Current Physical Chemistry, Special Issue Editor, 2014 - 2014

Letters in Applied NanoBioScience, Special Issue Editor, 2014 - 2014

Journal of Chemistry Education, Evaluation Committee Member, 2010 - 2010

## Memberships / Tasks in Scientific Organizations

2016 Global Conference on Polymer and Composite Materials (PCM2016), Member, 2015 - 2015

2015 Global Conference on Polymer and Composite Materials (PCM 2015), Consultant, 2015 - 2015

## Scientific Refereeing

Journal of Basic and Applied Research international, SCI Journal, December 2015

Surface Review and Letters, SCI Journal, December 2015

AIP Advances, SCI Journal, December 2015

Electrocatalysis, SCI Journal, November 2015

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Acta Metallurgica Sinica, SCI Journal, April 2015

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Journal of Global Research in Education and Social Science, SCI Journal, February 2015

Materials Research Express, SCI Journal, February 2015

Journal of Scientific Research and Reports, Other Indexed Journal, February 2015

Int. J. of Bioinformatics Research and Applications, SCI Journal, December 2014

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Advances in Research, SCI Journal, April 2014

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Computers Education, SCI Journal, January 2013  
Journal of Hazardous, SCI Journal, February 2009  
Analytical Letters, SCI Journal, January 2009

## Scientific Consultations

2016 Global Conference on Polymer and Composite Materials (PCM2016), Other, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, Turkey, 2015 - 2015  
2015 Global Conference on Polymer and Composite Materials (PCM 2015), Other, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, Turkey, 2015 - 2015

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## Congress and Symposium Activities

3. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Attendee, ANTALYA, Turkey, 2015  
Turkish Physical Society 29. International Physics Conference, Attendee, İzmir, Turkey, 2012  
II. Eğitim Bilimleri Öğrenci Araştırmaları Kongresi, Attendee, Kayseri, Turkey, 2012  
VI. Ulusal Analitik Kimya Kongresi, Attendee, Hatay, Turkey, 2012  
X. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi, Attendee, Niğde, Turkey, 2012  
Türk Fizik Kongresi, Attendee, İzmir, Turkey, 2011  
I. Eğitim Bilimleri Öğrenci Sempozyumu, Attendee, Kayseri, Turkey, 2011  
II. Kimya Eğitimi Kongresi, Attendee, Erzurum, Turkey, 2011

## Awards

Karıper I. A., Katı Toz Silika Aerojellerin Isı Yalıtımına Asitlerin Etkisi, İkmib, April 2019  
Karıper I. A., Havayı Temizleyen Polyester, İkmib, April 2019  
Karıper I. A., Bor ve dekstrin katkılı emprenye boyalar, İkmib, April 2018  
Karıper I. A., Diamond Like Solid Powder Production, Türk Patent, March 2018  
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## Non Academic Experience



