

Assoc. Prof. İSHAK AFŞİN KARİPER

Personal Information

Email: akariper@erciyes.edu.tr

Web: <http://aves.erciyes.edu.tr/akariper/>

Education Information

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

Post Graduate, Erciyes Üniversitesi, Fen Bilimleri, Kimya, Turkey 2006 - 2008

Under Graduate, Erciyes Üniversitesi, 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

Post Graduate, katı faz ekstraksiyonu ile eser element zenginleştirmesi, 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 Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2018 - Continues

Research Assistant PhD, Erciyes Üniversitesi, Eğitim Fakültesi, İlköğretim Bölümü, 2013 - 2018

Research Assistant, Erciyes Üniversitesi, Eğitim Fakültesi, İlköğretim Bölümü, 2005 - 2013

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

- **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 (Journal Indexed in SCI Expanded)
- **The synthesis of GO: SnSbS thin films and the analysis of its electrochemical performance**
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- **Aerogel based nanogenerators: Production methods, characterizations and applications**
Korkmaz S., KARİPER İ. A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 2020 (Journal Indexed in SCI)
- **A critical review: Electromagnetic shielding for pyrrole used textile materials**
Bicer N., Celik I. T. , KARİPER İ. A.
JOURNAL OF INDUSTRIAL TEXTILES, 2020 (Journal Indexed in SCI)
- **AMORPHOUS PbSe THIN FILM PRODUCED BY CHEMICAL BATH DEPOSITION AT pH OF 5-8**
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SURFACE REVIEW AND LETTERS, vol.27, 2020 (Journal Indexed in SCI)
- **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, 2020 (Journal Indexed in SCI)
- **A Novel Method for Producing Nano Structured CdSe Thin Film**
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Surface Review And Letters, vol.1, no.1, pp.1-5, 2020 (Journal Indexed in SCI Expanded)
- **Graphene and graphene oxide based aerogels: Synthesis, characteristics and supercapacitor applications**
Korkmaz S., KARİPER İ. A.
JOURNAL OF ENERGY STORAGE, vol.27, 2020 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Review of international programs fighting against drugs**
Göçmen A., Derin N., METİN A., ÖZTÜRK M. E. , KARİPER İ. A.
Journal of Substance Use, 2020 (Journal Indexed in SCI Expanded)
- **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 (Journal Indexed in SCI)
- **Fog harvesting against water shortage**
Korkmaz S., KARİPER İ. A.
ENVIRONMENTAL CHEMISTRY LETTERS, 2019 (Journal Indexed in SCI)
- **Evaluation of nanomanganese decorated typha tassel carbonaceous electrode: preparation, characterization, and simultaneous determination of Cd²⁺ and Pb²⁺**
Gulesen M., Erkal-Aytemur A., Yavuz S., Akbulut A., Kariper I. A. , Üstündağ İ.
CHEMICAL PAPERS, vol.73, no.1, pp.2869-2878, 2019 (Journal Indexed in SCI)
- **Ag-doped HfO₂ thin films via sol-gel dip coating method**
Pakma O., Kaval S., KARİPER İ. A.
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- **Structural and Optical Properties of Undoped and Silver, Lithium & Cobalt-doped ZnO thin films**
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- **Amorphous PbSe Thin Film with Chemical Bath Deposition at pH: 5-8**
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Surface Review And Letters, vol.1, no.1, pp.1-5, 2019 (Journal Indexed in SCI Expanded)
- **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, no.1, pp.338-345, 2019 (Journal Indexed in SCI)

● **Silver Nanoparticle/Capecitabine for Breast Cancer Cell Treatment**

Kariper I. A. , Hepokur C., Mısır S., Ay E. N. , Tunoğlu S., Zeybek Ü., Yaylım I.

● Toxicology In Vitro, vol.1, no.1, pp.1-5, 2019 (Journal Indexed in SCI)

● **The impact of pH on the structural, surface, electrical and optical properties of nanostructured PbSe thin films**

tezel n., Tezel F. M. , KARİPER I. A.

● MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)

● **UV region supercapacitor: Bi-doped natural MgO rock salt thin film**

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● CERAMICS INTERNATIONAL, vol.45, pp.9219-9224, 2019 (Journal Indexed in SCI)

● **Impact of Organic Acids on the Hardness of Silica Xerogels**

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● SILICON, vol.11, pp.1159-1163, 2019 (Journal Indexed in SCI)

● **Surface and electro-optical properties of amorphous Sb₂S₃ thin films**

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● **Crystalline TeO₂ thin film with chemical bath deposition**

KARİPER I. A.

● INDIAN JOURNAL OF PURE & APPLIED PHYSICS, vol.57, pp.175-179, 2019 (Journal Indexed in SCI)

● **A novel method: Bio-chemical bath for producing vanadium oxide thin film**

KARİPER I. A. , Tezel F. M.

● JOURNAL OF ALLOYS AND COMPOUNDS, vol.771, pp.302-308, 2019 (Journal Indexed in SCI)

● **Production of cyclo-hafnium metal-organic thin film using a specific method**

KARİPER I. A.

● OPTICAL AND QUANTUM ELECTRONICS, vol.51, no.8, 2019 (Journal Indexed in SCI)

● **Effect of acids on thermal insulation of solid powder silica aerogels**

Afşin Kariper İ. A.

● Ceramics International, 2019 (Journal Indexed in SCI)

● **Release of Doxorubicin's Active Ingredient from the Hydrogels Derived from Acrylamide and their Biological Functions**

MISIR S., Hepokur C., Kariper I. A.

● INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.53, no.1, pp.171-177, 2019 (Journal Indexed in SCI)

● **Optical properties of selenium sulfide thin film produced via chemical dropping method**

KARİPER I. A. , özden ş., Tezel F. M.

● OPTICAL AND QUANTUM ELECTRONICS, vol.50, no.12, 2018 (Journal Indexed in SCI)

● **A New Process to Synthesize CrSe Thin Films with Nanosize by CBD Method**

KARİPER I. A. , meydaneri tezel f.

● MATERIALS RESEARCH EXPRESS, vol.35, no.1, pp.87-93, 2018 (Journal Indexed in SCI)

● **Electrocatalytic Effect of Nanowrinkled Layer Carbonaceous Electrode: Determination of Folic Acid by Differential Pulse Voltammetry**

aytemur a., KARİPER I. A. , çağlayan m. o. , üstündağ z.

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● **Optical, electrical, structural and magnetic properties of BiSe thin films produced by CBD on different substrates for optoelectronics applications**

Aydın F., meydaneri tezel f., KARİPER I. A.

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● **Producing MoO₃ Thin film Supercapacitor through Bio-chemical Bath Deposition**

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Isophthalic acid terminated graphene oxide modified glassy carbon nanosensor for Cd²⁺ and Bi³⁺
KARİPER I. A. , yavuz s., albayrak i., erkal a., üstündağ z.
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Effect of pH on Optic and Structural Characterization of Chemical Deposited AgI Thin Films
Tezel F. M. , KARİPER I. A.
- MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, vol.20, pp.1563-1570, 2017 (Journal Indexed in SCI)
Effect of Complexing Agent on the Structural, Optical and Electrical Properties of Polycrystalline Indium Sulfide Thin Films Deposited by Chemical Bath Deposition
Gode F., KARİPER İ. A. , GÜNERİ E., Unlu S.
- ACTA PHYSICA POLONICA A, vol.132, pp.527-530, 2017 (Journal Indexed in SCI)
The Production of UV Absorber Amorphous Cerium Sulfide Thin Film
KARİPER I. A.
- MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, vol.20, no.5, pp.1345-1349, 2017 (Journal Indexed in SCI)
Influence of pH on the Structural and Optical Properties of Polycrystalline MnTe₂ Thin Films Produced by Chemical Bath Deposition Method
KARİPER I. A. , Gode F.
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- INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.51, no.3, pp.401-406, 2017 (Journal Indexed in SCI)
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● **Synthesis and characterization of CrSe thin film produced via chemical bath deposition**

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● **Preparation of Iodine and Silver Coated Thin Film on Poly(methylmethacrylate) Substrate and their Antifungal, Antibacterial and Mechanistic Properties**

Erkan Kariper S., Hepokur C., Kariper İ. A. , Üstündağ İ., Kaan D.

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● **Physical Interaction Between Water-Soluble Poly(Acrylamide/Itaconic Acid) with Acriflavine and Procainamide Hydrochloride.**

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● **THE INTERACTION OF CLARITHROMYCIN WITH A NEW POLYMER BASED NIPAM- SEPIOLITE**

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LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, pp.301-307, 2016 (Journal Indexed in SCI Expanded)

● **The Effects of pH on Structural and Optical Characterization of Iron Oxide Thin Films**

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● **Electrical energy deposition on mitochondria and the different substrates**

Hepokur C., KARİPER I. A. , Kariper S. E.

JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.8, no.6, 2016 (Journal Indexed in SCI)

● **Synthesis, Surface Tension, Optical and Dielectric Properties of Bismuth Oxide Thin Film**

KARİPER I. A. , Meydaneri Tezel F.

MATERIALS SCIENCE-POLAND, vol.35, pp.87-93, 2016 (Journal Indexed in SCI Expanded)

● **Production and characterization of Telx (x: 2, 4) thin films: Optical, structural properties and effect of porosity**

Kariper I. A.

MATERIALS & DESIGN, vol.106, pp.170-176, 2016 (Journal Indexed in SCI)

● **CuI film produced by chemical extraction method in different media**

KARİPER I. A.

Materials Research, vol.19, pp.991-998, 2016 (Journal Indexed in SCI)

● **Wet chemical methods for producing mixing crystalline phase ZrO₂ thin film**

pakma O., özdemir C., KARİPER I. A. , özaydın C., güllü Ö.

Applied Surface Science, vol.377, pp.159-166, 2016 (Journal Indexed in SCI)

● **Optical and structural properties of chromium telluride (Cr₂Te₃) thin film produced via chemical bath deposition**

Kariper I. A.

OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.10, pp.541-546, 2016 (Journal Indexed in SCI)

● **Synthesis and characterization Bi₂O₂S thin film via chemical bath deposition at low pH.**

Kariper I. A.

Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy, vol.163, pp.102-7, 2016 (Journal Indexed in SCI Expanded)

● **Optical and structural properties of PbI₂ thin film produced via chemical dipping method**

Kariper I. A.

OPTICAL REVIEW, vol.23, pp.401-408, 2016 (Journal Indexed in SCI)

● **CRITICAL SURFACE TENSION, CRITICAL SURFACE ENERGY AND PARACHOR OF MnSO₃ THIN FILM**

Kariper I. A.

SURFACE REVIEW AND LETTERS, vol.23, 2016 (Journal Indexed in SCI)

● **Pb-Ag/I Thin Film by Co-Precipitation Method**

Kariper I. A.

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.40, pp.137-143, 2016 (Journal Indexed in SCI)

● **Optical and Structural Properties of Bi/Ag-I Thin Film by Co-precipitation Method**

KARİPER I. A.

ASIAN JOURNAL OF CHEMISTRY, vol.28, no.10, pp.2241-2245, 2016 (Journal Indexed in SCI Expanded)

● **Carbonaceous Materials-12: a Novel Highly Sensitive Graphene Oxide-Based Carbon Electrode: Preparation, Characterization, and Heavy Metal Analysis in Food Samples**

Yavuz S., Erkal A., KARİPER I. A. , SOLAK A. O. , JEON S., Mulazimoglu I. E. , Ustundag Z.

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● **Biosensor Application of Carbonaceous Nanocoil Material: Preparation, Characterization, and Determination of Dopamine and Uric Acid in the Presence of Ascorbic Acid**

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● **Synthesis and Characterization of Macroporous Poly(Acrylamide-Methacrylic Acid) Cryogel and its Interaction with Clarithromycin**

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● **Optical and Structural Properties and Surface Tension of Uranium Oxide Thin Film**

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INTERNATIONAL JOURNAL OF SURFACE SCIENCE AND ENGINEERING, vol.10, no.5, pp.432-443, 2015 (Journal Indexed in SCI Expanded)

● **Hardness of Mn₂V₂O₇ thin films and its influential factors**

Kariper I. A.

INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.22, pp.987-991, 2015 (Journal Indexed in SCI)

● **Fabrication and Optical Characterization of CdSe Thin Films Grown by Chemical Bath Deposition**

KARİPER I. A. , Baglayan O., Gode F.

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● **Preparation and Characterization of Nanocrystalline PbS Thin Films Produced by Chemical Bath Deposition**

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● **Production of HfO₂ thin films using different methods: chemical bath deposition, SILAR and sol-gel**

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● **A new inorganic azo dye and its thin film: MoO₄N₄H₆**

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Activities in Scientific Journals

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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, 2012 - Continues
European Journal of Physics Educaiton, Assistant 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

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

Scientific Refereeing

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