

Prof. ÜMİT ALVER

Personal Information

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International Researcher IDs

ScholarID: xFwzKEIAAAAJ

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Publons / Web Of Science ResearcherID: Y-6329-2018

ScopusID: 15845070700

Yoksis Researcher ID: 41709

Education Information

1997 - 2001	Doctorate, Louisiana State University and Agricultural and Mechanical College, Fen Bilimleri, Fizik, United States Of America
1995 - 1997	Masters (Non-Thesis), Old Dominion University, Fen Bilimleri, Fizik, United States Of America
1991 - 1993	Postgraduate, Karadeniz Technical University, Fen Fakültesi, Fizik, Turkey
1985 - 1989	Undergraduate, Karadeniz Technical University, Fatih Eğitim Fakültesi, Fizik Öğretmenliği, Turkey

Foreign Languages

English, C1 Advanced

Dissertations

2001	De Haas van Alphen Effect Measurements on $Ce_{1-x}Mn_x$ ($M=Rh,Co,Ir$) Alloys , Louisiana State University, Graduate School, Physics and Astronomy , Doctorate
1997	Non thesis, Old Dominion University, Physics, Postgraduate
1993	Investigation of the change of A1 and A3 transformation temperatures with carbon ratio in iron-carbon alloys by dilatometric method , Karadeniz Technical University, Fen Fakültesi, Fizik, Postgraduate

Research Areas

Material science and engineering, Composites, Polymeric Materials, Nanomaterials, Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures

Academic Titles / Tasks

2014 - Continues	Professor, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
2014 - 2014	Professor, Kahramanmaraş Sutcu Imam University, Fen Edebiyat Fakültesi, Fizik

2007 - 2014	Associate Professor, Kahramanmaraş Sutcu Imam University, Fen Edebiyat Fakültesi, Fizik
2001 - 2007	Assistant Professor, Kahramanmaraş Sutcu Imam University, Fen Edebiyat Fakültesi, Fizik

Academic and Administrative Experience

2014 - 2021	Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği
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Courses

2020 - 2021	Surface Analysis Techniques, Postgraduate
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Advising Theses

2020	Alver Ü., Postgraduate, E.Tuzcu(Student), Supercapacitor Applications of Fluorine Doped ZnO, SnO ₂ , NiO Nanoparticles
2019	Alver Ü., Postgraduate, D.Can(Student), Investigation Of Electrochemical Corrosion Behaviour of Liquid Nitrided AISI 4140 Steel
2018	Alver Ü., Postgraduate, A.Sajjad(Student), Grain Refinement of Al ₄ CuTi Alloy with Zirconium, Scandium and Erbium
2018	Alver Ü., Postgraduate, M.Enes(Student), Production of PMMA Reinforced with α -Fe ₂ O ₃ , ZnO and Hybrid (α -Fe ₂ O ₃ / ZnO) Nano Particle Composite Material, Investigation Of Optical And Dielectric Properties
2015	Alver Ü., Doctorate, A.Tanrıverdi(Student), Hydrothermal Method Generated Reduced Graphene Oxide/Boron Doped ZnO Composite of Supercapacitor Performance
2015	Alver Ü., Postgraduate, Ö.Akgül(Student), Synthesize of Reduced Graphen Oxide /Nikel Oxide Composite Material And Supercapacitor Application
2015	Alver Ü., Postgraduate, G.Top(Student), Synthesize Of Reduced Graphen Oxide /Nikel Oxide Composite Material
2012	Alver Ü., Postgraduate, H.Yaykaşlı(Student), Measurement of Electrical and Optical Properties of Boron Doped NiO Thin Films Produced by Chemical Spray Pyrolysis Method
2012	Alver Ü., Doctorate, S.Kerli(Student), Fabrication and Physical Properties of Boron-Fluorine Doped ZnO Particles and Films
2010	Alver Ü., Postgraduate, A.Kudret(Student), Fabrication of ZnO based Dye Sensitized Solar Cell with Natural Dyes
2009	Alver Ü., Postgraduate, S.Tekerek(Student), Fabrication of TiO ₂ Based Dye Sensitized Solar Cell with Natural Dyes
2007	Alver Ü., Postgraduate, M.Kavgacı(Student), XRF measurements in XSe (X=Zn,Cu,Mn) thin films prepared by chemical bath deposition
2006	Alver Ü., Postgraduate, S.Kerli(Student), Investigation of Electrical and magnetic properties of Al-Yi-Ni Amorphous Alloys
2006	Alver Ü., Postgraduate, T.Kılınc(Student), Investigation of Physical Properties of Zn _{1-x} FexS Thin Films

Published journal articles indexed by SCI, SSCI, and AHCI

1. Fabrication and Radiation Shielding Properties of (HDPE/ Colemanite)-(HDPE/Bi₂O₃) Multi-Layer Composites

Uzun Duran S., Alver Ü., Demirköz M. B., Mucogllava B., Aslan M., Çava K., Dindar O.

POLYMERS FOR ADVANCED TECHNOLOGIES, vol.35, no.6640, pp.1-10, 2024 (SCI-Expanded)

- II. **Synthesize and characterization of silver coated Ti powders from waste titanium chips by mechanical milling assisted electroless plating method**
AKÇAY S. B., VAROL T., GÜLER O., ALVER Ü.
Materials Chemistry and Physics, vol.323, 2024 (SCI-Expanded)
- III. **Production and Characterization of Zn_{1-x}Fe_xS Thin Films by Ultrasonic Chemical Spray Deposition Technique**
SOLAKYILDIRIM T., ALVER Ü.
Physics of the Solid State, vol.66, no.6, pp.169-175, 2024 (SCI-Expanded)
- IV. **Synthesis and characterizations of Ce-doped ZnO thin films for radiation shielding**
Soğuksu A. K., Kerli S., Kavun Y., ALVER Ü.
Optical Materials, vol.148, 2024 (SCI-Expanded)
- V. **Ulexite/HDPE-Bi₂O₃/HDPE layered composites for neutron and gamma radiation shielding**
ALVER Ü., UZUN DURAN S., DEMİRKÖZ M. B., Mucogllava B., ASLAN M., ÇAVA K., ÖZKALAYCI F., Dindar O.
APPLIED RADIATION AND ISOTOPES, vol.200, 2023 (SCI-Expanded)
- VI. **Physio-mechanical Characterization and Thermal Property Evaluation of Polylactic Acid/Waste Hazelnut Shell Flour Composite with Inorganic Additives**
Aslan M., Gananiar ., Büyükkaya K., Ezzatkhah A., Alver Ü., Sunderesan T. K.
JOURNAL OF TESTING AND EVALUATION, vol.51, no.5, pp.1-12, 2023 (SCI-Expanded)
- VII. **A comparative study of structural, magnetic, and thermal properties of Cu_xFe_{3-x}O₄ nanoparticles prepared in open and closed systems using solution combustion synthesis**
BİLGİN S., ALVER Ü.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.107, no.3, pp.810-820, 2023 (SCI-Expanded)
- VIII. **Effect of fuel type on pseudocapacitance behaviour of CuO nanoparticles synthesized by solution combustion method**
BİLGİN S., ALVER Ü., ERDEMİR F., ÇANAKÇI A.
BULLETIN OF MATERIALS SCIENCE, vol.45, no.4, 2022 (SCI-Expanded)
- IX. **Improved super capacitive performance of hydrothermally developed Mn and Ni oxides along with activated carbon as ternary nanocomposite**
Khalid F., Saleem M., Jabbar H., Tanvir M. G., Butt M. S., Baluch A. H., Ghaffar A., Ahsan M., Malik R. A., ALVER Ü., et al.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.161, 2022 (SCI-Expanded)
- X. **The wear and arc erosion behavior of novel copper based functionally graded electrical contact materials fabricated by hot pressing assisted electroless plating**
GÜLER O., VAROL T., ALVER Ü., BIYIK S.
Advanced Powder Technology, vol.32, pp.2873-2890, 2021 (SCI-Expanded)
- XI. **Microstructure and wear characterization of Al₂O₃ reinforced silver coated copper matrix composites by electroless plating and hot pressing methods**
GÜLER O., VAROL T., ALVER Ü., Kaya G., Yıldız F.
Materials Today Communications, vol.27, 2021 (SCI-Expanded)
- XII. **Influence of fluorine doping of zinc oxide on its electrochemical performance in supercapacitors**
ERDEMİR F., Tuzcu E., BİLGİN S., ALVER Ü., ÇANAKÇI A.
MATERIALS CHEMISTRY AND PHYSICS, vol.259, 2021 (SCI-Expanded)
- XIII. **Effect of TiN, TiAlCN, AlCrN, and AlTiN ceramic coatings on corrosion behavior of tungsten carbide tool**
Bilgin S., Güler O., Alver Ü., Erdemir F., Aslan M., Çanakçı A.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.1, pp.263-273, 2021 (SCI-Expanded)
- XIV. **Low-energy impact response of composite sandwich panels with thermoplastic honeycomb and reentrant cores**

- Özen İ., Çava K., Gedikli H., Alver Ü., Aslan M.
THIN-WALLED STRUCTURES, vol.156, 2020 (SCI-Expanded)
- XV. **Effect of Al₂O₃ content and milling time on the properties of silver coated Cu matrix composites fabricated by electroless plating and hot pressing**
Güler O., Varol T., Alver E., Çanakçı A.
MATERIALS TODAY COMMUNICATIONS, vol.24, 2020 (SCI-Expanded)
- XVI. **Fabrication and characterization of novel layered materials produced by electroless plating and hot pressing**
Güler O., Alver Ü., Varol T.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.835, 2020 (SCI-Expanded)
- XVII. **Investigation of the Electrical Properties of Al₈₅Y₉Ni₆ Metallic Glass and Formulation of the Results**
Kerli S., ALVER Ü., Gogebakan M.
GLASS PHYSICS AND CHEMISTRY, vol.46, no.2, pp.189-193, 2020 (SCI-Expanded)
- XVIII. **Mechanical and Vibrational Behavior of Twill Woven Carbon Fiber Reinforced Composites**
John K. M., Kumaran S. T., Kumar K. S., Kumar S. S., Aslan M., Alver U.
INTERNATIONAL POLYMER PROCESSING, vol.35, no.2, pp.203-210, 2020 (SCI-Expanded)
- XIX. **Effect of Ethanol on the Photovoltaic Performance of ZnO Based Dye Sensitized Solar Cells**
Alver U., Kudret A., Kerli S.
CRYSTALLOGRAPHY REPORTS, vol.64, no.7, pp.1159-1164, 2019 (SCI-Expanded)
- XX. **Optical and Dielectric Properties of PMMA/alpha-Fe₂O₃-ZnO Nanocomposite Films**
ALVER Ü., TASCIOGLU M. E., GÜLER O., ASLAN M., YAZGAN A., KAYA H., DURAN C., ÇUVALCI H., Bilgin S.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.29, no.5, pp.1514-1522, 2019 (SCI-Expanded)
- XXI. **The effect of flake-like morphology on the coating properties of silver coated copper particles fabricated by electroless plating**
GÜLER O., VAROL T., ALVER Ü., ÇANAKÇI A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.782, pp.679-688, 2019 (SCI-Expanded)
- XXII. **Structural and Morphological Properties of Boron Doped V₂O₅ Thin Films: Highly Efficient Photocatalytic Degradation of Methyl Blue**
Kerli S., ALVER Ü., Eskalen H., URUŞ S., Soguksu A. K.
RUSSIAN JOURNAL OF APPLIED CHEMISTRY, vol.92, no.2, pp.304-309, 2019 (SCI-Expanded)
- XXIII. **ELECTROCHEMICAL PROPERTIES AND PHOTOCATALYTIC ACTIVITY OF In₂O₃-Co₃O₄ THIN FILMS**
Kerli S., ALVER Ü., Eskalen H., Soguksu A. K.
COMPTEs RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.72, no.3, pp.327-332, 2019 (SCI-Expanded)
- XXIV. **EFFECT OF FIBRE CONTENT ON THE MECHANICAL PROPERTIES OF BASALT FIBRE REINFORCED POLYLACTIC ACID (PLA) COMPOSITES**
ASLAN M., KAYA M., GÜLER O., ALVER Ü.
TEKSTİL VE KONFEKSİYON, vol.28, no.1, pp.66-71, 2018 (SCI-Expanded)
- XXV. **Boron doped ZnO embedded into reduced graphene oxide for electrochemical supercapacitors**
Alver U., Tanriverdi A.
APPLIED SURFACE SCIENCE, vol.378, pp.368-374, 2016 (SCI-Expanded)
- XXVI. **Hydrothermal preparation of ZnO electrodes synthesized from different precursors for electrochemical supercapacitors**
Alver U., Tanriverdi A., Akgul O.
SYNTHETIC METALS, vol.211, pp.30-34, 2016 (SCI-Expanded)
- XXVII. **Structural and physical properties of boron doped ZnO films prepared by chemical spray pyrolysis method**
Kerli S., ALVER Ü., Tanriverdi A., Avar B.
CRYSTALLOGRAPHY REPORTS, vol.60, no.6, pp.946-950, 2015 (SCI-Expanded)
- XXVIII. **Effect of fluorine doping on the NO₂-sensing properties of ZnO thin films**
Sennik E., KERLİ S., ALVER Ü., ÖZTÜRK Z. Z.

- SENSORS AND ACTUATORS B-CHEMICAL, vol.216, pp.49-56, 2015 (SCI-Expanded)
- XXIX. **Electro-Optical Properties of Liquid Crystals Composite with Zinc Oxide Nanoparticles**
Eskalen H., Ozgan S., ALVER Ü., Kerli S.
ACTA PHYSICA POLONICA A, vol.127, no.3, pp.756-760, 2015 (SCI-Expanded)
- XXX. **Synthesis of boron doped ZnO particles by hydrothermal method**
Alver U., Kerli S., Tanriverdi A., Yaykasli H.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.439-443, 2015 (SCI-Expanded)
- XXXI. **Effect of F-doping on structural, electrical, and optical properties of NiO thin films**
Kerli S., ALVER Ü.
CRYSTALLOGRAPHY REPORTS, vol.59, no.7, pp.1103-1106, 2014 (SCI-Expanded)
- XXXII. **Boron and fluorine doped ZnO films obtained from zinc chloride precursor via chemical spray pyrolysis**
Kerli S., ALVER Ü., Tanriverdi A., Avar B.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.50, no.6, pp.797-802, 2014 (SCI-Expanded)
- XXXIII. **Investigation of the properties of In doped NiO films**
Kerli S., Alver U., Yaykaşı H.
APPLIED SURFACE SCIENCE, vol.318, pp.164-167, 2014 (SCI-Expanded)
- XXXIV. **In-situ generation of ZnO on the textile surfaces by hydrothermal method**
Balci O., Alver U., Besen B. S., Tanriverdi A., Tutak M.
INDUSTRIA TEXTILA, vol.65, no.2, pp.80-84, 2014 (SCI-Expanded)
- XXXV. **Effect of boron addition on fluorine doped ZnO particles**
Kerli S., Alver U., Yaykasli H., Okumus M.
KOVOVE MATERIALY-METALLIC MATERIALS, vol.52, no.2, pp.93-98, 2014 (SCI-Expanded)
- XXXVI. **Synthesis and characterization of boron-doped NiO thin films produced by spray pyrolysis**
Alver U., Yaykaşı H., Kerli S., Tanriverdi A.
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.20, no.11, pp.1097-1101, 2013 (SCI-Expanded)
- XXXVII. **Synthesis of Fluorine Doped Zinc Oxide Particles by Hydrothermal Method**
Kerli S., Alver U., Yaykaşı H., Avar B., Tanriverdi A., KURSUN C.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.13, pp.7539-7542, 2013 (SCI-Expanded)
- XXXVIII. **Investigation on Zinc Selenide and Copper Selenide Thin Films Produced by Chemical Bath Deposition**
Durdu B. G., Alver U., Kucukonder A., Sogut O., Kavgaci M.
ACTA PHYSICA POLONICA A, vol.124, no.1, pp.41-45, 2013 (SCI-Expanded)
- XXXIX. **Effect of UV-Ozone Exposure on PCBM**
BELAY A. B., ZHOU W., KRUEGER R., DAVIS K. O., Alver U., SORLOAICA-HICKMAN N.
IEEE JOURNAL OF PHOTOVOLTAICS, vol.2, no.2, pp.148-153, 2012 (SCI-Expanded)
- XL. **Optical and structural properties of ZnO nanorods grown on graphene oxide and reduced graphene oxide film by hydrothermal method**
Alver U., ZHOU W., BELAY B., KRUEGER R., DAVIS K. O., HICKMAN N. S.
APPLIED SURFACE SCIENCE, vol.258, no.7, pp.3109-3114, 2012 (SCI-Expanded)
- XLI. **Influence of pH on structural, optical and morphological properties of ZnO rod arrays fabricated by hydrothermal method**
Alver U., KUDRET A., KERLI S.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.6, pp.107-109, 2012 (SCI-Expanded)
- XLII. **Dye-sensitized solar cells fabricated with black raspberry, black carrot and rosella juice**
Tekerek S., Kudret A., Alver U.
INDIAN JOURNAL OF PHYSICS, vol.85, no.10, pp.1469-1476, 2011 (SCI-Expanded)
- XLIII. **Spray pyrolysis deposition of ZnO thin films on FTO coated substrates from zinc acetate and zinc**

chloride precursor solution at different growth temperatures

Alver U., Kudret A., Tekerek S.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.72, no.6, pp.701-704, 2011 (SCI-Expanded)

- XLIV. **A study on electrodeposited Zn-Co alloys**
Karahan I. H., Karabulut O., Alver U.
PHYSICA SCRIPTA, vol.79, no.5, 2009 (SCI-Expanded)
- XLV. **High-field de Haas-van Alphen studies of the Fermi surfaces of LaMIn₅ (M=Co,Rh,Ir)**
HALL D., BALICAS L., FISK Z., GOODRICH R. G., Alver U., SARRAO J. L.
PHYSICAL REVIEW B, vol.79, no.3, 2009 (SCI-Expanded)
- XLVI. **Temperature dependence of ZnO rods produced by ultrasonic spray pyrolysis method**
Alver U., KILINC T., BACAŞIZ E., NEZİR S.
MATERIALS CHEMISTRY AND PHYSICS, vol.106, pp.227-230, 2007 (SCI-Expanded)
- XLVII. **Structure and optical properties of Zn_{1-x}Fe_xO thin films prepared by ultrasonic spray pyrolysis**
Alver U., Kılınç T., Bacaksiz E., Nezir S.
MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY, vol.138, no.1, pp.74-77, 2007 (SCI-Expanded)
- XLVIII. **Synthesis and characterization of spray pyrolysis Zinc Oxide microrods**
ALVER U., KILINC T., BACAŞIZ E., Kucukomeroglu T., NEZİR S., MUTLU I. H., ASLAN F.
THIN SOLID FILMS, vol.515, pp.3448-3451, 2007 (SCI-Expanded)
- XLIX. **Roughness analysis of CVD Cu films on different substrates by AFM imaging**
Alver U.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.11, no.6, pp.622-624, 2002 (SCI-Expanded)
- L. **The de Haas van Alphen effect in CeMIn₅ (where M = Rh and Co)**
HALL D., MURPHY T., PALM E., TOZER S., FISK Z., HARRISON N., GOODRICH R., Alver U., SARRAO J.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.16, pp.3004-3007, 2002 (SCI-Expanded)
- LI. **Fermi surface of the heavy-fermion superconductor CeCoIn₅: The de Haas-van Alphen effect in the normal state**
HALL D., PALM E., MURPHY T., TOZER S., FISK Z., Alver U., GOODRICH R., SARRAO J., PAGLIUSO P., EBHARA T.
PHYSICAL REVIEW B, vol.64, no.21, 2001 (SCI-Expanded)
- LII. **Localized f electrons in CexLa_{1-x}RhIn₅: de Haas-van Alphen measurements**
Alver U., GOODRICH R., HARRISON N., HALL D., PALM E., MURPHY T., TOZER S., PAGLIUSO P., MORENO N., SARRAO J., et al.
PHYSICAL REVIEW B, vol.64, no.18, 2001 (SCI-Expanded)
- LIII. **Electronic structure of CeRhIn₅: de Haas-van Alphen and energy band calculations**
HALL D., PALM E., MURPHY T., TOZER S., PETROVIC C., MILLER-RICCI E., PEABODY L., LI C., Alver U., GOODRICH R., et al.
PHYSICAL REVIEW B, vol.64, no.6, 2001 (SCI-Expanded)
- LIV. **DIFFUSION OF AG IN BI(PB)-SR-CA-CU-O SUPERCONDUCTORS**
DZHAFAROV T., COMERT H., ALTUNBAS M., ALVER U., KUCUKOMEROGLU T., KOPYA A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.221, pp.264-266, 1995 (SCI-Expanded)

Articles Published in Other Journals

- I. **Compression Properties of 3d Printed Honeycomb and Re-Entrant Sandwich Core Materials**
ÇAVA K., ASLAN M., ALVER Ü., GEDİKLİ H., Kalusuraman G.
SSRN Electronic Journal, 2020 (Peer-Reviewed Journal)
- II. **Investigation of The Effect of Annealing on Resistivity in Aluminum-based Amorphous Alloys**
Kerli S., Alver U., Gogebakan M.
PHYSICS AND CHEMISTRY OF SOLID STATE, vol.20, no.4, pp.391-395, 2019 (ESCI)
- III. **The investigation of the mechanical properties of sandwich panel composites with different surface**

and core materials

ASLAN M., GÜLER O., ALVER Ü.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.6, pp.1062-1068, 2018 (ESCI)

IV. Preparation and Characterisation of ZnO/NiO Nanocomposite Particles for Solar Cell Applications

Kerli S., Alver U.

JOURNAL OF NANOTECHNOLOGY, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **PRODUCTION OF CELESTITE POWDER ADDED POLYMER COMPOSITE FOR THYROID PROTECTIVE COLLAR DESIGN AND INVESTIGATION OF GAMMA RAY SHIELDING CHARACTERISTICS**
Özpinar İ., Çava K., Aslan M., Alver Ü., Apaydın G.
V. INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, İstanbul, Turkey, 15 - 16 January 2023, pp.1053-1062
- II. **The Effect of pH on the Plating Layer of Silver Plated Copper Powders by Electroless Plating Method**
VAROL T., AKÇAY S. B., GÜLER O., ALVER Ü.
5. International Conference on Material Science and Technology (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.60-64
- III. **CHARACTERIZATION OF CU-AG ALLOYS PRODUCED BY POWDER METALLURGY METHOD**
Varol T., Aksa H. C., Güler O., Alver Ü.
5. International Conference on Material Science and Technology (IMSTEC 2020), Nevşehir, Turkey, 16 - 18 October 2020, pp.74-77
- IV. **Wear Properties of Cu-Ag-Ni Composites Produced by Electroless Coating and Hot-Pressing**
Güler O., Varol T., Alver Ü., Akçay S. B.
2nd International May 19 Congress of Innovative Scientific Approaches - Applied Sciences, Samsun, Turkey, 27 December 2019, pp.198-207
- V. **Wear Properties of Cu-Ag-Ni Composites Produced by Electroless Coating and Hot-Pressing**
GÜLER O., VAROL T., ALVER Ü., AKÇAY S. B.
2. Uluslararası 19 Mayıs Yenilikçi Bilimsel Yaklaşımlar Kongresi Uygulamalı Bilimler, 27 - 29 December 2019
- VI. **PRODUCTION OF CU-AG-CR COMPOSITES FROM THE LAYERED METALLIC POWDERS**
Güler O., Varol T., Alver Ü., Akçay S. B.
2nd International May 19 Congress of Innovative Scientific Approaches - Applied Sciences, Samsun, Turkey, 27 - 29 December 2019, pp.190-197
- VII. **THE EFFECT OF MECHANICAL MILLING TIME AND SILVER COATING ON THE PROPERTIES OF THE SILVER COATED COPPER MATRIX COMPOSITES**
Güler O., Varol T., Alver Ü., Aksa H. C.
2nd International May 19 Congress of Innovative Scientific Approaches - Applied Sciences, Samsun, Turkey, 27 - 29 December 2019, pp.219-228
- VIII. **WEAR PROPERTIES OF CU-AG-NI COMPOSITES PRODUCED BY ELECTROLESS COATING AND HOT-PRESSING**
GÜLER O., VAROL T., ALVER Ü., AKÇAY S. B.
2. ULUSLARARASI 19 MAYIS YENİLİKÇİ BİLİMSEL YAKLAŞIMLAR KONGRESİ, Samsun, Turkey, 27 - 29 December 2019, pp.198-207
- IX. **THE EFFECT OF ALUMINA CONTENT AND ELECTROLESS SILVER COATING ON THE PROPERTIES OF THE SILVER COATED COPPER MATRIX COMPOSITES**
Güler O., Varol T., Alver Ü., Aksa H. C.
2nd International May 19 Congress of Innovative Scientific Approaches - Applied Sciences, Samsun, Turkey, 27 - 29 December 2019, pp.208-218
- X. **Investigation of Impact Behavior of Sandwich Materials with 3D Printed Auxetic and Cellular Core**

Geometries

Özen İ., Çava K., Gedikli H., Alver Ü., Aslan M.

INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2019, İstanbul, Turkey, 31 October - 01 November 2019

- XI. **Comparison of Mechanical Properties of 3D Printed Sandwich Materials in Cellular and Auxetic Pattern**
ASLAN M., ÇAVA K., ALVER Ü., GEDİKLİ H.
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2019, İstanbul, Turkey, 31 October - 01 November 2019
- XII. **Effect of Acetone Vapor on Surface and Mechanical Properties of 3D Printed ABS in Different Layer Thicknesses**
Çava K., Aslan M., Alver Ü.
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2019, İstanbul, Turkey, 31 October - 01 November 2019
- XIII. **Oxidation Resistance of Silver Coated Copper Powders with Different Morphologies**
GÜLER O., VAROL T., ALVER Ü., ÇANAĞCI A., ÇABUK M. A.
3rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, vol.25, pp.340-345
- XIV. **Fabrication of Cu-Ag-Ni Layered Bulk Samples by Electroless Plating and Powder Metallurgy Method**
GÜLER O., VAROL T., ALVER Ü., ÇANAĞCI A., ÇABUK M. A.
3rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, vol.25, pp.346-352
- XV. **The Investigation of the Mechanical and Physical Properties of Silver Coated Copper Fabricated by Electroless Coating**
GÜLER O., VAROL T., ALVER Ü., ÇANAĞCI A., ÇABUK M. A.
6th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, Ankara, Turkey, 13 - 15 June 2019, pp.197
- XVI. **The Effect of Milling Time On the Coating Thickness of Silver Coated Copper Particles**
GÜLER O., VAROL T., ALVER Ü., ÇANAĞCI A., ÇABUK M. A.
6th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, Ankara, Turkey, 13 - 15 June 2019, pp.195
- XVII. **COMPRESSION BEHAVIOR OF AUXETIC AND HONEYCOMB CORE MATERIALS MANUFACTURED BY FDM PRINTER**
ÇAVA K., ASLAN M., ALVER Ü., GEDİKLİ H.
4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019, Antalya, Turkey, 11 - 14 April 2019
- XVIII. **Mechanical behavior of nettle fiber filled polylactic acid composites**
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International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018
- XIX. **THE EFFECT OF BALL MILLING TIME ON THE PROPERTIES OF SILVER COATED COPPER MATERIALS PRODUCED BY POWDER METALLURGY**
VAROL T., ALVER Ü., GÜLER O., ERDEMİR F.
19TH International Metallurgy and Materials Congress, 25 - 27 October 2018
- XX. **The Investigation of the Effect of Nitrocarburizing on the Corrosion Resistance of AISI 4140 Steel**
GÜLER O., DEMİR D., ÇUVALCI H., ALVER Ü.
19th International Metallurgy and Materials Congress (IMMC), İstanbul, Turkey, 25 - 27 October 2018, pp.1194-1197
- XXI. **The Effect of Ball Milling Time on the Properties of Silver Coated Copper Materials Produced by Powder Metallurgy**
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International Tecnological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.448
- XXIII. **DIMENSIONAL ACCURACY AND PULL-OUT PERFORMANCE OF 3D PRINTED VERTEBRA MODELS**
ASLAN M., ÇAVA K., YERLİ H. K., YAZAR U., ALVER Ü.
International Symposium on 3D Printing in Medicine, Ankara, Turkey, 16 - 17 November 2018
- XXIV. **Preparation and Characterisation of Cobalt Oxide Thin Films Obtained From Different Precursor Salts**
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International Advanced Researches Engineering Congress, 16 - 18 November 2017, pp.668
- XXV. **TiO₂/DYE/CUI AND ZNO/DYE/CUI SENSITIZED SOLID-STATE SOLAR CELLS**
ALVER Ü., ÖZLÜ TORUN H., KERLİ S.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, BODRUM, Turkey, 6 - 10 September 2017, pp.381
- XXVI. **INVESTIGATION OF EFFECT OF LAYER THICKNESS AND FAN SPEED ON MECHANICAL, SURFACE AND MICROSCOPIC PROPERTIES OF 3D PRINTED ABS POLYMERS**
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- XXVII. **Mechanical Performance of Laminar and Tubular Carbon Epoxy Prepreg Composites by Vacuum Bag Oven Method**
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2nd International Defense Industry Symposium, 6 - 08 April 2017, pp.144
- XXVIII. **The effect of the reinforcement content on the mechanical and physical properties of the polyester based carbon and basalt fibers reinforced composites**
ASLAN M., Kaymaz E. G., GÜLER O., ALVER Ü.
2nd International Defence Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.146
- XXIX. **The Effect of the Reinforcement Content on the Mechanical and Physical Properties of the Polyester Based Carbon and Basalt Fibers Reinforced Composites**
ASLAN M., KAYMAZ E. G., GÜLER O., ALVER Ü.
2nd International Defense Industry Symposium, 6 - 08 April 2017, pp.146
- XXX. **An Investigation on Mechanical Properties of the Sandwich Panel Composites**
ASLAN M., GÜLER O., ÇAVA K., ALVER Ü., YÜCELOĞLU E.
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II. International Defense Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.602-610
- XXXII. **Mechanical Performance of Laminar and Tubular Carbon Epoxy Prepreg Composites by Vacuum Bag Oven Method**
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II. International Defense Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.611-620
- XXXIII. **The Effect of Basalt Fiber Content on the Physical-Mechanical Properties of the Basalt Fiber Reinforced Polylactic Acid (PLA) Composites**
Aslan M., Güler O., Kaya M., Alver Ü.
II. International Defense Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.621-626
- XXXIV. **The Effect of the Reinforcement Content on the Mechanical and Physical Properties of the Polyester Based Carbon and Basalt Fibers Reinforced Composites**
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2nd International Symposium on 3D Printing Technologies (3D-PTS2017), 3 - 04 April 2017

- XXXVI. **SYNTHESIS, CHARACTERIZATION AND OPTICAL PROPERTIES OF THE PMMA BASED NANOCOMPOSITES**
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INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, Saray Bosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.126
- XXXVII. **Effects of Nitrocarburizing on the Corrosion Behavior of AISI 4140 Steel**
ALVER Ü., ÇUVALCI H., GÜLER O., ERDEMİR F., Demir D.
International Conference on Engineering Technology and Innovation, Saray Bosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.125
- XXXVIII. **TENSILE PROPERTIES OF CARBON/JUTE WOVEN FIBRE REINFORCED POLYESTER COMPOSITES**
ASLAN M., ALVER Ü., GÜLER O.
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, Saray Bosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.129
- XXXIX. **MECHANICAL CHARACTERISATION OF GLASS/FLAX WOVEN FIBRE REINFORCED HYBRID COMPOSITES**
ASLAN M., ALVER Ü., GÜLER O.
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, Saray Bosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.128
- XL. **ZNO PARTICLES FOR SUPERCAPACITOR ELECTRODES**
ALVER Ü., KERLİ S.
International Conference on Engineering and Natural Sciences (ICENS), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.758
- XLI. **PREPARATION AND SOLAR CELL APPLICATIONS OF ZNO NIO COMPOSITE PARTICLES**
KERLİ S., ALVER Ü.
International Conference on Engineering and Natural Sciences (ICENS), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.193
- XLII. **SUPERCAPACITOR BEHAVIOUR OF BORON DOPED COBALT OXIDE FILMS**
KERLİ S., ALVER Ü.
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- XLIII. **RGO NIO NANO COMPOSITE POWDER FOR SUPERCAPACITOR ELECTRODES**
ALVER Ü., KERLİ S.
International Conference on Engineering and Natural Sciences (ICENS), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016
- XLIV. **Production and Application of RGO ZnO TiO₂ Composite Material**
KERLİ S., ALVER Ü., Tanrıverdi A., Akgül Ö.
International physics conference at the anatolian peak, Erzurum, Turkey, 25 - 27 February 2016, pp.101
- XLV. **RGO ZnO Composite Materials Produced from Different Zinc Salts and Investigation of Their Super Capacitor Performance**
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International physics conference at the anatolian peak, Erzurum, Turkey, 25 - 27 February 2016
- XLVI. **ZnO Based Dyes Sensitized Solar Cell with Natural Dyes**
Tanrıverdi A., ALVER Ü., KERLİ S., Akgül Ö.
International physics conference at the anatolian peak, Erzurum, Turkey, 25 - 27 February 2016, pp.102
- XLVII. **Characterization of Graphene Oxide Produced by Hummers Method and its Supercapacitor Applications**
Akgul O., Alver U., Tanrıverdi A.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XLVIII. **ZnO/TiO₂ Particles And Their Solar Cell Application**

Kerli S., Akgul O., Alver U.

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XLIX. NiO Nanostructures For Supercapacitors

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L. Characterization Of Graphene Oxide Produced by Hummers Method and Its Supercapacitor Applications

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L.I. ZnO/TiO₂ Metal Oxide Particles and Their Solar Cell Application

Akgül Ö., Kerli S., TANRIVERDI A., ALVER Ü.

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L.II. RGO/ZnO Nanocomposite Material and Its Supercapacitor Performance

TANRIVERDI A., ALVER Ü., Akgül Ö.

9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 28 August 2015, pp.526

L.III. MEASUREMENT OF THE VACANCY TRANSITION PROBABILITIES FROM K TO L SHELLS IN BORON-DOPED NiO THIN FILMS

Dedeoğlu F., SOGUT O., APAYDIN G., ALVER Ü.

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L.IV. Fabrication of Dye-Sensitized Solar Cell (DSSC) with Boron Doped ZnO Nanoparticles

TANRIVERDI A., Yaykaşlı H., ALVER Ü., Kerli S.

9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 28 August 2015, pp.526

L.V. Synthesis and Characterization Zinc Oxide-Reduced Graphene Oxide Composite

Akgül Ö., Kerli S., TANRIVERDI A., ALVER Ü.

9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 28 August 2015, pp.402

L.VI. Effect of F-doping on Structural, Electrical and Optical Properties of NiO Thin film

Kerli S., ALVER Ü., Yaykaşlı H.

International Semiconductor Science and Technology Conference, İstanbul, Turkey, 20 - 22 August 2014, pp.111

L.VII. Optical and Electrical Properties of Undoped and Boron Doped Cobalt Oxide Thin Films

Akgül Ö., ALVER Ü., Kerli S.

10th Nanoscience and Nanotechnology Conference (NanoTr10), İstanbul, Turkey, 17 - 21 June 2014, pp.399

L.VIII. Synthesis of Reduced Graphene Oxide (RGO) / ZnO:B Nano-Composite Powders

TANRIVERDI A., ALVER Ü., Akgül Ö., Kerli S.

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L.IX. Synthesis of RGO / NiO Nano Composite Powder

Top G., ALVER Ü., TANRIVERDI A., Akgül Ö., Kerli S.

10th Nanoscience and Nanotechnology Conference (NanoTR10), İstanbul, Turkey, 17 - 21 June 2014, pp.408

L.X. Synthesis of RGO at different temperatures by hydrothermal method

Akgül Ö., ALVER Ü., TANRIVERDI A., Kerli S.

10th Nanoscience and Nanotechnology Conference (NanoTr10), İstanbul, Turkey, 17 - 21 June 2014, pp.407

L.XI. Doğal Boyar Maddeli Güneş Pili Yapımı

TEKEREK S., KUDRET A., ALVER Ü.

Turkish Physical Society, 26 th International Physical Congress, Bodrum-Turkey, Turkey, 2 - 04 September 2009, pp.164

L.XII. Electrical resistivity and magnetic properties of amorphous Al Y Ni alloys

ALVER Ü., KERLİ S., GÖĞEBAKAN M.

6th International Conference of the Balkan Physical Union, İstanbul, Turkey, 4 - 08 September 2006, pp.781

L.XIII. The Fermi surface of CexLa1-xRhIn5 Alloys

ALVER Ü., Goodrich ., HALL D., PALM E., MURPHY T., Tozer S.

American Physical Society, Seattle-Washington, United States Of America, 22 March 2001, pp.246

Supported Projects

2024 - Continues	IoMT için Manyetodielektrik Alt Tabaka Üzerinde 5G Yama Anteni, Project Supported by Higher Education Institutions
2024 - Continues	Radar kesit alanı azaltma için yeni bir ultra geniş bantlı mikrodalga soğurucu tasarımı ve analizi, Project Supported by Higher Education Institutions
2024 - Continues	Akımsız Kaplama Yöntemiyle Titanyum Esaslı Katmanlı Metalik Tozların Sentezlenmesi, Project Supported by Higher Education Institutions
2023 - Continues	NANOPARÇACIK NANOTEL VE NANOMALZEMELERİN TOPOGRAFİK VE KOMPOZİSYON ANALİZLERİNİN ALAN ETKİLİ TARAMALI ELEKTRON MİKROSKOBU İLE İNCELENMESİ, Project Supported by Higher Education Institutions
2023 - Continues	1B Nanofiber Yüksek Entropili Oksitlerin Liyon Bataryalar ve Süperkapasitörlerde Kullanımının Enerji Depolama Verimliliği Üzerindeki Etkilerinin Araştırılması ve Geliştirilmesi, Project Supported by Higher Education Institutions
2023 - Continues	Yüksek Entropili Alaşımların Tasarımı Elektrokimyasal ve Manyetik Özelliklerinin Geliştirilmesi, Project Supported by Higher Education Institutions
2022 - Continues	Geri dönüşüm plastiklerinden 3B yazıcı filamenti ile farklı disiplinlerde öğretim materyali tasarımı ve üretimi, Project Supported by Higher Education Institutions
2019 - Continues	Seçici Lazer Ergitme Yöntemiyle Bütünleşik ve Kendi Kendini Onaran Yeni Nesil Elektrik Kontak Malzemelerinin Geliştirilmesi, TUBITAK Project
Continues	FDM tipi 3 boyutlu yazıcı ile termoplastik petek/oksetik çekirdek malzeme tasarımı, üretimi ve sandviç kompozitlerde kullanım özelliklerinin araştırılması, TUBITAK Project
2024 - 2027	Fabrication and Characterization of Acoustic Metamaterials for Effective Sound Control and Noise Reduction, Project Supported by Higher Education Institutions
2024 - 2027	Sürdürülebilir Yüksek Performanslı Fonksiyonel Derecelendirilmiş Kompozitler. Elektrik Uygulamaları İçin Parçacık Takviyeli Cu/SiC'Nin İleri Üretimi, TÜBİTAK International Multi-Cooperation Project
2024 - 2026	Düşünme Tasarlama Üretim Teknolojilerinin Geliştirilmesini Sağlayacak Araştırma ve Geliştirme Atölyesinin Kurulması, Project Supported by Higher Education Institutions
2023 - 2026	Li-Bataryalar Ve Süperkapasitörler İçin Enerji Verimliliği Yüksek Nanofiber Formunda Yüksek Entropili Oksitlerin Tasarımı Ve Özelliklerinin Geliştirilmesi, TUBITAK Project
2023 - 2025	Düğme Tipi Demir-Kobalt Vanadat/Pani Süperkapasitör Hücresinin Üretimi, TUBITAK Project
2023 - 2024	WS2 Parçacıklarının Üretimi ve Tribolojik Özelliklerinin Belirlenmesi, Project Supported by Higher Education Institutions
2023 - 2024	Bor katkılı Ultra Yüksek Moleküler Ağırlıklı Polietilen(UHMWPE) kompozit malzemesinin nötron soğurma özelliğinin araştırılması, Project Supported by Higher Education Institutions
2023 - 2024	4140 Çeliği Üzerine Akımsız NikelBor Kaplama, Project Supported by Higher Education Institutions
2023 - 2024	Çevreci Üretim Yöntemi Kullanarak Farklı Özelliklerdeki Geçiş Elementi İyonlarının Hekzaferrit Sürekli Miknatısların Manyetik Özellikleri Üzerindeki Etkisinin Araştırılması, Project Supported by Higher Education Institutions
2022 - 2024	MetalGenleştirilmiş GrafitKarbonize edilmiş Polimer Köpük Kompozit Faz Değiştiren Malzemelerinin Isıl Enerji Depolama Amaçlı Geliştirilmesi, Project Supported by Higher Education Institutions
2021 - 2023	TPU-PLA/Kenevir Elyaf Kompozit Malzemesinin Enjeksiyon Kalıplama ve 3B Baskı Teknolojisi ile Mekanik Özelliklerinin İncelenmesi, Project Supported by Higher Education Institutions
2021 - 2023	KTÜ'nde Geliştirilen Küp Uydunun Elektronik Kartlarının Uzay Radyasyonuna Karşı Kalifiye Edilmesi, Project Supported by Higher Education Institutions
2021 - 2023	Bakır-Gümüş Alaşımlarının Akımsız Kaplama ve Sıcak Presleme Yöntemi ile Üretimi ve Karakterizasyonu, Project Supported by Higher Education Institutions
2020 - 2023	Biyomedikal ve İleri Mühendislik Malzemelerinin Seçici Lazer Ergitme Yöntemi İle Üretimi, Project Supported by Higher Education Institutions

2020 - 2022	BOR İÇERİKLİ NÖTRON ZIRHLAMA MALZEMELERİNİN GELİŞTİRİLMESİ, TUBITAK Project
2019 - 2022	Fe-Co-Cu- Oksit Nanoparçacıklarının Çözelti Yanma Senteziyle Üretimi ve Süperkapasitör Uygulamaları, Project Supported by Higher Education Institutions
2020 - 2021	Hidroksiapatit Tozu HAp Katkılı Polilaktikasit Kompozit Filamentler Kullanılarak Elde Edilmiş 3 Boyutlu (3B) Katı Omur Modellerinin Geliştirilmesi, Project Supported by Higher Education Institutions
2019 - 2020	CTP Esaslı Sürgülü Vana Üretimi ve Özelliklerinin İncelenmesi, Project Supported by Other Official Institutions
2019 - 2020	Flor Katkılı ZnO SnO ₂ ve NiO Nanoparçacıkların Süperkapasitör Uygulamaları, Project Supported by Higher Education Institutions
2019 - 2020	Akımsız Kaplama ve Toz Metalürjisi Yöntemi ile Üretilen Yeni Tür Elektrik Kontak Malzemelerinin Korozyon Davranışlarının İncelenmesi, Project Supported by Higher Education Institutions
2018 - 2020	Polimer Matrisli Nano Parçacık Takviyeli Kompozit Malzemelerin Üretilmesi ve Optik ve Termal Özelliklerinin İncelenmesi, Project Supported by Higher Education Institutions
2017 - 2019	FDM tipi 3 boyutlu yazıcı ile termoplastik petek/oksetik çekirdek malzeme tasarımı, üretimi ve sandviçkompozitlerde kullanım özelliklerinin araştırılması, TUBITAK Project
2015 - 2016	ZIRHLI YELEKLER İÇİN FONKSİYONEL DERECELENDİRİLMİŞ HİBRİT NANOKOMPOZİT MALZEMELERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, Project Supported by Higher Education Institutions
2015 - 2016	ZA27/B4C(nanoparçacık)-Grafen(nanolevha) Hibrit Nanokompozit Yatak Malzemelerinin Üretimi ve Tribolojik Özelliklerinin İncelenmesi, Project Supported by Higher Education Institutions
2013 - 2015	Süperkondansatörler için Grafın/ZnO:B nanokompozit elektrot yapımı, TUBITAK Project
2005 - 2007	Fabrication of Solar cell and light emitting Diode by Polianilin-Carbon Nanotubse Composite , TUBITAK Project
2005 - 2007	Tiofen Grubu İçeren Tri- ve Tetraaza Makrosiklik Ligandlar İle Geçiş Metal Komplekslerinin Sentezi, Elektrokimyasal ve Kimyasal Polimerizasyonu İle Fiziksel Özelliklerinin Araştırılması, TUBITAK Project
2003 - 2005	Production of Cu-based shape memory, Fe- and Al-based quasicrystalline, nanocrystalline ve amorphous alloys by rapid solidification and mechanical alloying techniques and investigation of their electrical, magnetic, structural and thermal properties, CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi

Patent

2023	Ipek H., Aslan M., Çuvalcı H., Sezer R., Alver Ü., Çava K., ÜÇ YÖNLÜ PERİYODİK MİNİMAL YÜZEY (ÜPMY) DESENİ ÇEKİRDEK YAPIYA SAHİP HİBRİT SANDVIÇ KOMPOZİT PANEL, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 2021 014024 , Standard Registration, 2023
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Metrics

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H-Index (WoS): 21
H-Index (Scopus): 20

Non Academic Experience

2012 - 2013	International University of Sarajevo
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