

## Doç. Dr. Yüksel Akınay

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Karabük Üniversitesi, Mühendislik Fakültesi/Metalurji Ve Malzeme Müh., Malzeme Bilimi, Türkiye 2015 - 2018

Lisans, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi/Metalurji Ve Malzeme Müh., Türkiye 2005 - 2010

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Radar soğurucu kompozit malzeme üretimi, Karabük Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Müh. / Malzeme Bilimi, 2018

Yüksek Lisans, Twip çeliklerinin mekanik ve mikroyapı özelliklerine alaşım elementlerinin etkisi, Karabük Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Müh. / Malzeme Bilimi, 2015

### Araştırma Alanları

Maden Mühendisliği ve Teknolojisi, Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Malzeme Testi ve Kontrolü, Kompozitler, Malzeme Karakterizasyonu, Nanomalzemeler, Üretim Metalurjisi, Demir-Çelik Üretimi, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Van Yüzüncü Yıl Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2018 - Devam Ediyor  
Araştırma Görevlisi, Karabük Üniversitesi, Mühendislik Fak., Metalurji Ve Malzeme Müh., 2013 - 2018

## AKADEMİK İDARI DENEYİM

Van Yüzüncü Yıl Üniversitesi, 2018 - Devam Ediyor

## Verdiği Dersler

Kompozit Malzemeler, Lisans, 2018 - 2019

Yer biliminde Malzemelerin Analitik Teknikleri ve Karakterizasyonu, Yüksek Lisans, 2018 - 2019

Yalıtım ve Kompozit Malzemeler, Yüksek Lisans, 2018 - 2019

## Jüri Üyelikleri

Tez Savunma (Yüksek Lisans), Tez Savunma Jürisi, Karabük Üniversitesi, Ocak, 2020

Tez Savunma (Yüksek Lisans), Tez Savunma Jürisi, Karabük Üniversitesi, Ocak, 2020

Tez Savunma (Yüksek Lisans), Tez Savunma Jürisi, Karabük Üniversitesi, Ocak, 2020

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Ti<sub>2</sub>N<sub>Tx</sub> MXene materials derived from Ti<sub>2</sub>AlN MAX phases: Their characterization and electrocatalytic activity toward hydrazine electrooxidation**  
Ulaş B., Çetin T., Topuz M., Aknay Y.  
International Journal of Hydrogen Energy, cilt.82, ss.892-900, 2024 (SCI-Expanded)
- II. **Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene-functionalized Hydroxyapatite/Halloysite nanotube filled poly- (lactic acid) coatings on magnesium: In vitro and antibacterial applications**  
Topuz M., Aknay Y., Karatas E., ÇETİN T.  
Journal of Magnesium and Alloys, cilt.12, sa.9, ss.3758-3771, 2024 (SCI-Expanded)
- III. **Chitosan-based pH-sensitive antibacterial bionanocomposites with laponite immobilized silver nanoparticles for delivery of sunitinib maleate to breast cancers**  
Labib P., Mahdavinia G. R., Dehghani A., Nobarzad R. S., Sayyar Z., Jafari H., Najafzadeh K., Aknay Y., Akbari A.  
Applied Organometallic Chemistry, cilt.38, sa.9, 2024 (SCI-Expanded)
- IV. **An Efficient Supported Cu(I) Catalyst for the Amination of Aryl Halides with Sodium Azide**  
Fekri S., Mansoori Y., Aknay Y., ÇETİN T., John M.  
ChemNanoMat, cilt.10, sa.6, 2024 (SCI-Expanded)
- V. **Novel Ti<sub>3</sub>C<sub>2</sub>X<sub>2</sub> MXene supported BaMnO<sub>3</sub> nanoparticles as hydrazine electrooxidation catalysts**  
Ulaş B., ÇETİN T., KAYA Ş., Aknay Y., DEMİR KIVRAK H.  
International Journal of Hydrogen Energy, cilt.58, ss.726-736, 2024 (SCI-Expanded)
- VI. **Binary CeO<sub>2-x</sub>/Ag<sub>4</sub>V<sub>2</sub>O<sub>7</sub> photocatalysts: Impressive performances in detoxification of organic and inorganic pollutants**  
Zohari-Moafi M., Habibi-Yangjeh A., Habibi M., Aknay Y.  
Molecular Catalysis, cilt.556, 2024 (SCI-Expanded)
- VII. **Facile synthesis of ZnO/CeO<sub>2</sub>/CeFeO<sub>3</sub> photocatalysts sensitive to visible light with tandem n-n heterojunctions and improved performance towards tetracycline and dye effluent removals**  
Andish-Lifshagerd F., Yangjeh A. H., Habibi M., Aknay Y.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, cilt.448, sa.115351, ss.1-11, 2024 (SCI-Expanded)
- VIII. **Anchoring modified g-C<sub>3</sub>N<sub>4</sub> with Bi<sub>5</sub>O<sub>7</sub>Br: S-scheme photocatalysts with boosted activities in elimination of inorganic and organic pollutants**  
Jalalat Z., Habibi-Yangjeh A., Hemmati-Eslamlu P., Aknay Y.  
Inorganic Chemistry Communications, cilt.158, 2023 (SCI-Expanded)
- IX. **Oxygen vacancy-rich CeO<sub>2</sub> decorated with Cu<sub>3</sub>BiS<sub>3</sub> nanoparticles: Outstanding visible-light**

**photocatalytic performance towards tetracycline degradation**

Habibi M., Habibi-Yangjeh A., Akinay Y., Khataee A.

Chemosphere, cilt.340, 2023 (SCI-Expanded)

- X. **QDs-sized TiO<sub>2</sub>-x/Bi<sub>2</sub>O<sub>3</sub>/BiOCl photocatalysts with tandem n-n heterojunctions: Facile fabrication and impressive visible-light-induced photocatalytic performances**  
Jahed-Jaafargolikhanelo M., Habibi-Yangjeh A., Pournemati K., Akinay Y.  
Surfaces and Interfaces, cilt.41, 2023 (SCI-Expanded)
- XI. **Novel g-C<sub>3</sub>N<sub>4</sub> nanorods/Cu<sub>3</sub>BiS<sub>3</sub> nanocomposites: Outstanding photocatalysts with p-n heterojunction for impressively detoxification of water under visible light**  
Eslamlu P. H., Yangjeh A. H., Akinay Y., Çetin T.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, cilt.443, sa.114862, ss.1-12, 2023 (SCI-Expanded)
- XII. **Synthesis and characterization of Pd doped MXene for hydrogen production from the hydrolysis of methylamine borane: Effect of cryogenic treatment**  
Karataş ., Çetin T., Akinay Y., Gülcan M.  
Journal of the Energy Institute, cilt.109, 2023 (SCI-Expanded)
- XIII. **Synthesis and characterization of block copolymer: thermal and morphological properties of SiO<sub>2</sub>-filled block copolymer nanocomposites**  
Göktaş M., Aykac C., Akinay Y.  
POLYMER BULLETIN, cilt.80, sa.8, ss.8565-8584, 2023 (SCI-Expanded)
- XIV. **A critical mini-review on challenge of gaseous O<sub>3</sub> toward removal of viral bioaerosols from indoor air based on collision theory**  
Kakaei K., Padervand M., Akinay Y., Dawi E., Ashames A., Saleem L., Wang C.  
Environmental Science and Pollution Research, cilt.30, sa.36, ss.84918-84932, 2023 (SCI-Expanded)
- XV. **Enhancement of biogas production using SnO<sub>2</sub> nanoparticle-doped mica catalyst**  
Kaskun S., Çalhan R., Akinay Y.  
Biomass Conversion and Biorefinery, cilt.13, sa.8, ss.7239-7246, 2023 (SCI-Expanded)
- XVI. **The electromagnetic wave absorption properties of woven glass fiber composites filled with Sb<sub>2</sub>O<sub>3</sub> and SnO<sub>2</sub> nanoparticles doped mica pigments**  
Akinay Y., Colak B., TURAN M. E., Akkuş İ. N., Çelik Kazıcı H., Kizilcaç A. O.  
POLYMER COMPOSITES, cilt.43, sa.12, ss.8784-8794, 2022 (SCI-Expanded)
- XVII. **Rh (0) nanoparticles impregnated on two-dimensional transition metal carbides, MXene, as an effective nanocatalyst for ammonia-borane hydrolysis**  
Karatas Y., Cetin T., Akkus I. N., Akinay Y., Gülcan M.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.8, ss.11411-11423, 2022 (SCI-Expanded)
- XVIII. **Supramolecular Arrangement and DFT analysis of Zinc(II) Schiff Bases: An Insight towards the Influence of Compartmental Ligands on Binding Interaction with Protein**  
Chowdhury M. S., Gumus S., Dasgupta S., Majumder I., Bhattacharya A., Das D., Mukhopadhyay J., Bose D., Dasgupta S., Akinay Y., et al.  
CHEMISTRYOPEN, cilt.11, sa.6, ss.1-11, 2022 (SCI-Expanded)
- XIX. **Experimental investigation of the effects of aging and cryogenic treatments on the mechanical properties of superelastic nickel-titanium shape-memory alloys**  
Güven S., Altın Karataş M., Gökçaya H., Akinay Y.  
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, cilt.236, sa.12, ss.6752-6759, 2022 (SCI-Expanded)
- XX. **Finite element simulation and experimental investigation on the effect of temperature on pseudoelastic behavior of perforated Ni-Ti shape memory alloy strips**  
Altas E., Khosravi F., Gokkaya H., Arab Maleki V., Akinay Y., ÖZDEMİR O., BAYRAKTAR Ö., Kandas H.  
SMART MATERIALS AND STRUCTURES, cilt.31, sa.2, 2022 (SCI-Expanded)
- XXI. **Surface Integrity of NiTi Shape Memory Alloy in Milling with Cryogenic Heat Treated Cutting Tools under Different Cutting Conditions**

- Altas E., Altin Karatas M., Gokkaya H., Akinay Y.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, cilt.30, sa.12, ss.9426-9439, 2021 (SCI-Expanded)
- XXII. **Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> nanoparticles-coated TiO<sub>2</sub> catalyst on the exhaust pollutants of a diesel engine**  
Kaskun Ergani S., Kocaman A., Akinay Y.  
Applied Nanoscience (Switzerland), cilt.11, ss.2759-2766, 2021 (SCI-Expanded)
- XXIII. **Wear resistance and tribological properties of GNPs and MWCNT reinforced AlSi18CuNiMg alloys produced by stir casting**  
Turan M. E., Aydin F., Sun Y., Zengin H., Akinay Y.  
Tribology International, cilt.164, 2021 (SCI-Expanded)
- XXIV. **Synthesis of 3D Sn doped Sb<sub>2</sub>O<sub>3</sub> catalysts with different morphologies and their effects on the electrocatalytic hydrogen evolution reaction in acidic medium**  
Akinay Y., Kazici H., Akkuş İ. N., Salman F.  
CERAMICS INTERNATIONAL, cilt.47, sa.20, ss.29515-29524, 2021 (SCI-Expanded)
- XXV. **Nanotube-Boramic Acid Derivative for Dopamine Sensing**  
Yigit A., Pınar P., Akinay Y., Alma M. H., Mengeş N.  
CHEMISTRYSELECT, cilt.6, sa.24, ss.6302-6313, 2021 (SCI-Expanded)
- XXVI. **Microstructure and Chemical Analysis in Pseudoexfoliation Syndrome**  
Yavuzer K., Akinay Y.  
CURRENT EYE RESEARCH, cilt.46, sa.4, ss.490-495, 2021 (SCI-Expanded)
- XXVII. **Poly(pyrrole-co-styrene sulfonate)-encapsulated MWCNT/Fe-Ni alloy/NiFe<sub>2</sub>O<sub>4</sub> nanocomposites for microwave absorption**  
Cao Y., Mohamed A. M., Mousavi M., Akinay Y.  
Materials Chemistry and Physics, cilt.259, 2021 (SCI-Expanded)
- XXVIII. **Improved hydrogen adsorption of ZnO doped multi-walled carbon nanotubes**  
Kaskun S., Akinay Y., Kayfeci M.  
International Journal of Hydrogen Energy, cilt.45, ss.34949-34955, 2020 (SCI-Expanded)
- XXIX. **Characterized nano-size curcumin and rosemary oil for the limitation microbial spoilage of rainbow trout fillets**  
Ceylan Z., Meral R., Köse Ş., Sengor G., Akinay Y., DURMUŞ M., UÇAR Y.  
LWT-FOOD SCIENCE AND TECHNOLOGY, cilt.134, 2020 (SCI-Expanded)
- XXX. **Preparation of nickel doped mesoporous carbon for enhanced microwave absorption performance**  
Song H., Chen J., Li H., Akinay Y.  
Journal of Magnetism and Magnetic Materials, cilt.513, 2020 (SCI-Expanded)
- XXXI. **PEDOT coated Cu-BTC metal-organic frameworks decorated with Fe<sub>3</sub>O<sub>4</sub> nanoparticles and their enhanced electromagnetic wave absorption**  
Niu H., Liu P., Qin F., Liu X., Akinay Y.  
Materials Chemistry and Physics, cilt.253, 2020 (SCI-Expanded)
- XXXII. **A novel approach to prepare polyaniline/Polypyrrole@Cu-BTC/NH<sub>2</sub>-MIL-101(Fe) MOFs for electromagnetic wave absorption**  
Zhou J., Liu D., Xiong Y., Akinay Y.  
Ceramics International, cilt.46, sa.12, ss.19758-19766, 2020 (SCI-Expanded)
- XXXIII. **Synthesis and characterization of the pearlescent pigments based on mica deposited with SiO<sub>2</sub>, AlN and TiO<sub>2</sub>: First report of its dielectric properties**  
Akinay Y., Nuri Akkuş İ. N.  
Ceramics International, cilt.46, sa.11, ss.17735-17740, 2020 (SCI-Expanded)
- XXXIV. **Synthesis of PPy@Ba<sub>0.5</sub>Sr<sub>0.5</sub>Fe<sub>12</sub>O<sub>19</sub>/CNFs by reverse in-situ polymerization method for microwave absorption applications**  
Guo T., Chang S., Akinay Y.  
Synthetic Metals, cilt.266, 2020 (SCI-Expanded)
- XXXV. **Equivalent analytical model of plain weave composite fabric for electromagnetic shielding applications**

- Kızılçay A. O., Akinay Y.  
Journal of Microwave Power and Electromagnetic Energy, cilt.54, ss.245-253, 2020 (SCI-Expanded)
- XXXVI. **The influence of MWCNTs on microwave absorption properties of Co/C and Ba-Hexaferrite hybrid nanocomposites**  
Peibo L., Yize S., Akinay Y.  
Synthetic Metals, cilt.263, 2020 (SCI-Expanded)
- XXXVII. **Computation and modeling of microwave absorbing CuO/graphene nanocomposites**  
Akinay Y., Kızılçay A. O.  
Polymer Composites, cilt.41, ss.227-232, 2020 (SCI-Expanded)
- XXXVIII. **Absorbing properties and structural design of PVB/Fe<sub>3</sub>O<sub>4</sub> nanocomposite**  
Akinay Y., Hayat F., Colak B.  
Materials Chemistry and Physics, cilt.229, ss.460-466, 2019 (SCI-Expanded)
- XXXIX. **Synthesis and microwave absorption enhancement of BaTiO<sub>3</sub> nanoparticle/polyvinylbutyral composites**  
Akinay Y., Hayat F.  
JOURNAL OF COMPOSITE MATERIALS, cilt.53, ss.593-601, 2019 (SCI-Expanded)
- XL. **Comparison of microwave absorption properties between BaTiO<sub>3</sub>/Epoxy and NiFe<sub>2</sub>O<sub>4</sub>/Epoxy composites**  
Akinay Y., Hayat F., Kanbur Y., Gökkaya H., Polat S.  
Polymer Composites, cilt.39, 2018 (SCI-Expanded)
- XLI. **Magnetic and microwave absorption properties of PVB/Fe<sub>3</sub>O<sub>4</sub> and PVB/NiFe<sub>2</sub>O<sub>4</sub> composites**  
Akinay Y., Hayat F., Çakır M., Akın E.  
Polymer Composites, cilt.39, sa.10, ss.3418-3423, 2018 (SCI-Expanded)
- XLII. **Effect of Ni on the mechanical behavior of a high-Mn austenitic TWIP steel**  
Akinay Y., Hayat F.  
Materialpruefung/Materials Testing, cilt.58, sa.5, ss.413-417, 2016 (SCI-Expanded)
- XLIII. **The influence of the heat treatment on mechanical and microstructure properties of Fe-Mn-C high-manganese steel**  
Akinay Y., Hayat F.  
KOVOLVE MATERIALY-METALLIC MATERIALS, cilt.54, sa.2, ss.91-96, 2016 (SCI-Expanded)
- XLIV. **Investigation of resistance spot welds between dp450 steel and aluminum alloys**  
Akinay Y., Hayat F.  
Materialpruefung/Materials Testing, cilt.58, sa.5, ss.408-412, 2016 (SCI-Expanded)
- XLV. **Mechanical Properties of Pattern Welded 1075-15N20 Steels**  
OZKAN F., KIRDAN H., KARA I. H., HUSEM F., OZCELIK S., Akinay Y., CUG H., SUN Y., AHLATCI H.  
MATERIALS TESTING, cilt.56, sa.10, ss.897-900, 2014 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Recent progress of electromagnetic wave absorbers: A systematic review and bibliometric approach**  
Akinay Y., Güneş Ü., Çolak B., Çetin T.  
Elsevier BV, cilt.2, sa.3, ss.197-206, 2023 (Scopus)
- II. **The Theoretical Description for Psilocin Electrochemical Determination over Cobalt Oxyhydroxide**  
Tkach V. V., Kucher M. M., Kushnir M. V., Ivanushko Y. G., Akinay Y., Karakoyun N., Yagodynets P. I., Kormosh Z. O.  
Orbital, cilt.15, sa.1, ss.27-30, 2023 (ESCI)
- III. **Süperelastik NiTi Şekil Hafızalı Alaşımların Mekanik Özelliklerine Yüksek Sıcaklık ve Yaşlandırma Isıl İşleminin Etkisi**  
GÜVEN S., ALTIN KARATAŞ M., GÖKKAYA H., AKINAY Y.  
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, cilt.13, sa.1, ss.27-34, 2022 (Hakemli Dergi)
- IV. **Design, Synthesis and Antimicrobial Activities of New Carbon Nanotubes Derivatives**

Yiğit A., Almalı M. N., Aknay Y., Mengeş N.

Journal of the Institute of Science and Technology, cilt.11, sa.2, ss.1420-1429, 2021 (Hakemli Dergi)

- V. **Theoretical aspects of the electropolymerization of some hydroquinonic derivatives**  
Tkach V. V., Kushnir M., De Oliveira S. C., Lystvan V. V., Dytynchenko I. M., Da Silva A. O., Aknay Y., Luganska O., Yagodynets P., Kormosh Z. O.  
Biointerface Research in Applied Chemistry, cilt.11, sa.1, ss.7994-8000, 2021 (Scopus)
- VI. **Synthesis and Dielectric Properties of Magnesium Silicate Hydrate Deposited With SnO<sub>2</sub>**  
Aknay Y.  
Sakarya University Journal of Science (SAUJS), cilt.24, sa.3, ss.455-459, 2020 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **15 - Ceramic-based functional electrode materials for application in solid oxide cell-based electrochemical devices**  
Dey S., Bose ., Aknay Y., Mukhopadhyay ., Sharma A. D., Mukhopadhyay J.  
Surface Modification and Functionalization of Ceramic Composites, Rajan Jose, Fabian Ezema, Editör, Elsevier Science, Oxford/Amsterdam , Amsterdam, ss.255-288, 2023
- II. **Scope and Challenges for Green Synthesis of Functional Nanoparticles**  
Chatterjee R., Sarkar S., Dutta A. K., Aknay Y., Dasgupta S., Mukhopadhyay M.  
Novel Applications of Carbon Based Nano-materials, Swamini CHOPRA, Editör, CRC, New York , New York, ss.274-311, 2023
- III. **Microwave-Heating Mechanism and Theory of Material-Microwave Interaction**  
Aknay Y.  
Nanoscale Networking and Communications Handbook, John R Vacca, Editör, CRC, New York , New-York, ss.411-425, 2019

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Blok Kopolimer Sentezi ve Karakterizasyonu ve SiO<sub>2</sub> Katkılı Blok Kopolimer Nanokompozitlerin Özelliklerinin Araştırılması**  
Göktaş M., Aykaç C., Aknay Y.  
34. Ulusal Kimya Kongresi, Yalova, Türkiye, 1 - 06 Eylül 2022, ss.175
- II. **Porous Cryo-Dried MXene Supported Pd (0) Nanoparticles for The Methylamine-Borane Hidrolysis as An Effective and Stable Catalyst**  
Karataş Y., Gülcan M., Aknay Y., Çetin T.  
16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, Ankara, Türkiye, 5 - 08 Eylül 2022, ss.242
- III. **Novel Sb<sub>2</sub>O<sub>3</sub> and SnO<sub>2</sub> Nanoparticles Decorated Talc Pigments for Broadband Electromagnetic Wave Absorption**  
AKINAY Y., AKKUŞ İ. N.  
2022 IEEE 12th International Conference "Nanomaterials: Applications & Properties" (IEEE NAP-2022), Krakow, Polonya, 11 - 16 Eylül 2022
- IV. **Porous Cryo-Dried MXene Supported Pd (0) Nanoparticles for The Methylamine-Borane Hidrolysis as An Effective and Stable Catalyst**  
Karataş ., Gülcan M., Aknay Y., Çetin T.  
16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, Ankara, Türkiye, 5 - 08 Eylül 2022, ss.242
- V. **KOMPOZİT MALZEMELERİN X BANT FREKANS BÖLGESİNDE RADAR SOĞURUCU ÖZELLİKLERİNİN İNCELENMESİ**  
KIZILÇAY A. O., AKINAY Y., ŞAHİN E.  
8th INTERNATIONAL APPLIED SCIENCES CONGRESS, Diyarbakır, Türkiye, 25 Aralık 2021

- VI. **Efficiency of ZnO doped pyrite for COD removal from mixed dye solutions by heterogeneous Fenton process**  
Aknay Y., Öztürk D., Özgüven A.  
World Congress on Applied Nanotechnology (W-CAN), 24 - 26 Kasım 2021, ss.1
- VII. **Enhanced Mechanical Properties of polystyrene coated Surface Modified Quartz based proppants**  
Akkuş İ. N., Zengin A., Aknay Y.  
2nd Graphene Summit, Oregon, Amerika Birleşik Devletleri, 15 - 16 Kasım 2021, cilt.2, ss.1
- VIII. **Synthesis of BaO Modified MXene catalyst for the hydrogen evolution reaction**  
ÇETİN T., AKINAY Y.  
Global Virtual Summit on Carbon, Graphene, 0D, 1D, and 2D materials, Amerika Birleşik Devletleri, 22 Temmuz 2021
- IX. **Synthesis of Sn doped Sb<sub>2</sub>O<sub>5</sub> particles and their optical and electrochemical properties**  
AKINAY Y., AKKUŞ İ. N., Salman F., ÇELİK KAZICI H.  
2nd Global Virtual Summit on Advances in Materials, Physics & Chemistry Science, İngiltere, 18 Şubat 2021
- X. **Photocatalytic CO<sub>2</sub> Reduction and Thermal Properties of Alumina/Silica Coated TiO<sub>2</sub> Nanoparticles**  
Aknay Y., Akkuş İ. N.  
Materials Chemistry and Physics (Materials Chemistry 2020), London, Birleşik Krallık, 11 - 12 Eylül 2020, cilt.2, ss.47
- XI. **The optic and dielectric properties of CuO deposited barite pigments**  
Aknay Y., Akkuş İ. N.  
INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Şanlıurfa, Türkiye, 22 - 24 Kasım 2019, ss.1325-1330
- XII. **Preparation and characterization of CuO/Muscovite flakes pearlescent pigment with UV absorption and high NIR reflectance**  
Aknay Y., Akkuş İ. N.  
3rd International Symposium on Natural Hazards and Disaster Management, Van, Türkiye, 25 - 27 Ekim 2019, ss.265-270
- XIII. **COATING OF SILICON ACRYLATE NANOCOMPOSITE CONTAINING FLUORINE CHAINS AND SILICA ON LOW CARBON STEEL BY UV CURING METHOD**  
ÇAKIR M., AKIN E., AKINAY Y.  
The International Aluminium-Themed Engineering And Natural Sciences Conference, 4 - 06 Ekim 2019
- XIV. **EPOKSI-/BaFe<sub>2</sub>O<sub>4</sub> EPOKSI-/PANI KAPLI- BAF<sub>2</sub>O<sub>4</sub> C, I-FT KATMANLI HI-BRİ-D KOMPOZİTLERİNİN KRODALGA ABSORBLAMA ÖZELLİKLERİNİN İNCELENMESİ**  
Aknay Y.  
13. ULUSAL KI-MYA MÜHENDİSLİĞİ KONGRESİ (UKMK-2018), Van, Türkiye, 3 - 06 Eylül 2019, ss.7236-7240
- XV. **Thermal Properties of Graphene Reinforced Fe-Cr- Ni-Cu Alloys Produced by Powder Metallurgy**  
Aknay Y., TURAN M. E.  
Fourth International Iron and Steel Symposium, Karabük, Türkiye, 4 - 06 Nisan 2019, ss.370-373
- XVI. **Complex permittivity, complex permeability and microwave absorption properties of BaTiO<sub>3</sub>/PVB composites**  
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Yayın: 84

Atıf (WoS): 164

Atıf (Scopus): 772

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## **Akademi Dışı Deneyim**

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Teknik Alüminyum