

## Prof. VAGİF NEVRUZOĞLU

### Personal Information

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### Education Information

Doctorate, Azerbaycan Bilimler Akademisi, Fizik Enstitüsü, Alternatif Enerji Kaynakları, Azerbaycan 1985 - 1990

Undergraduate, Saratov State University, Türk Dili-Edebiyatı Araştırma-Uygulama M, Fizik Mühendisliği, Russia 1979 - 1984

### Foreign Languages

Russian, C1 Advanced

### Dissertations

Doctorate, Lazer Işıklarının ve Foto Uyarmalı Süreçlerin Cu<sub>2</sub>S-CdS Güneş Pillerine Etkisi, Azerbaycan Bilimler Akademisi, Fizik Enstitüsü, Alternatif Enerji Kaynakları, 1990

### Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences

### Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, ENERJİ SİSTEMLERİ MÜHENDİSLİĞİ, 2020 - Continues

Associate Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, ENERJİ SİSTEMLERİ MÜHENDİSLİĞİ, 2015 - 2020

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2013 - 2015

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2006 - 2013

Associate Professor, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, 1999 - 2006

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

- I. **Fabrication of Gold Thin Films on Cooled Glass Substrates**  
Manır M., Genç G., Nevruzoğlu V., Tomakin M., Çetin A. E.  
PLASMONICS, vol.19, no.2, pp.1-11, 2024 (SCI-Expanded)
- II. **Metal-Organic Frameworks (MOFs) as an Anti-Reflective Coating for Crystalline Silicon Solar Cells**  
Kanmaz İ., Demir S., Kiztanır G., Tomakin M., Nevruzoğlu V.  
Journal of Inorganic and Organometallic Polymers and Materials, 2024 (SCI-Expanded)
- III. **Investigation and mapping of natural and artificial radioactivity in sediment samples from Borcka Black Lake, Artvin-Turkey**  
Dizman S., Akdemir T., Yeşilkanat C. M., Nevruzoğlu V., Bal E., Keser R.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.104, no.9, pp.2165-2179, 2024 (SCI-Expanded)
- IV. **Enhancing Label-Free Biosensing With Cryogenic Temperature-Induced Plasmonic Structures**  
Nevruzoglu V., TOMAKIN M., Manır M., Demir S., Beris F., Cetin A.  
PLASMONICS, vol.18, no.6, pp.2437-2445, 2023 (SCI-Expanded)
- V. **Deposition and characterization of the Ag nanoparticles on absorbable surgical sutures at the cryogenic temperatures**  
Altuntas M., Beris F. S., Nevruzoglu V., Karan Y., Kanat A., Tomakin M.  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, vol.129, pp.128-138, 2023 (SCI-Expanded)
- VI. **Radiometric mapping and radiation dose assessments in sediments from Savsat Black Lake, Turkey**  
DİZMAN S., AKDEMİR T., Yesilkanat C. M., NEVRUZOĞLU V., Bal E., Keser R.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.331, no.6, pp.2533-2544, 2022 (SCI-Expanded)
- VII. **The investigation of stability of n-CdS/p-Cu<sub>2</sub>S solar cells prepared by cold substrate method**  
Manır M., Nevruzoğlu V., Tomakin M.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.36, no.3, 2021 (SCI-Expanded)
- VIII. **Synthesis of new carbon material produced from human hair and its evaluation as electrochemical supercapacitor**  
Bal Altuntaş D., Aslan S., Akyol Y., Nevruzoğlu V.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.42, pp.2346-2356, 2020 (SCI-Expanded)
- IX. **Magneto-Impedance in Co<sub>35</sub>Fe<sub>65</sub>/Cu/Co<sub>35</sub>Fe<sub>65</sub> Single and Bi-layer Thin Films**  
Yuzuak G. D., Yuzuak E., Nevruzoglu V.  
ELECTRONIC MATERIALS LETTERS, vol.16, no.5, pp.473-480, 2020 (SCI-Expanded)
- X. **Synthesis and characterization of activated carbon produced from waste human hair mass using chemical activation**  
BAL ALTUNTAŞ D., NEVRUZOĞLU V., Dokumacı M., Cam Ş.  
Carbon Letters, vol.30, no.3, pp.307-313, 2020 (SCI-Expanded)
- XI. **Use of the Cold Substrate Method for Biomaterials: The Structural and Biological Properties of the Ag Layers Deposited on Ti-6Al-4V**  
Duymus Z., Novruzoglu V., Atos S. M., Yuzuak E., Tomakin M.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.29, no.5, pp.2909-2919, 2020 (SCI-Expanded)
- XII. **Investigation of the electrical properties of Ag/n-Si schottky diode obtained by two different methods**  
Nevruzoglu V., Manır M., Ozturk G.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.21, no.2, pp.256-262, 2020 (SCI-Expanded)
- XIII. **Cold substrate method to prepare plasmonic Ag nanoparticle: deposition, characterization, application in solar cell**  
NEVRUZOGLU V., BAL ALTUNTAS D., Tomakin M.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.4, 2020 (SCI-Expanded)
- XIV. **Role of low substrate temperature deposition on Co-Fe thin films**  
Yuzuak G. D., Yuzuak E., Nevruzoglu V., Dincer I.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.11, 2019 (SCI-Expanded)

- XV. **Fabrication and characterization of Au/n-ZnO/p-Si/Al sandwich device with Sol-gel spin coating method**  
Keskenler E. F., KESKENLER M. F., Tomakin M., Nevruzoglu V.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.6, pp.6082-6087, 2019 (SCI-Expanded)
- XVI. **Effects of Na doping on CdS thin films and n-CdS/p-Si solar cells via chemical bath deposition method**  
NEVRUZOGLU V., Tomakin M., Keskenler E. F., Öztürk G.  
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.18, no.7, pp.494-500, 2017 (SCI-Expanded)
- XVII. **Improving the stability of solar cells using metal-organic frameworks**  
Nevruzoglu V., Demir S., Karaca G., Tomakin M., Bilgin N., Yilmaz F.  
JOURNAL OF MATERIALS CHEMISTRY A, vol.4, no.20, pp.7930-7935, 2016 (SCI-Expanded)
- XVIII. **Investigation of Cd<sub>1-x</sub>CoxS diluted magnetic semiconductor thin films fabricated by chemical bath deposition method**  
Tomakin M., Oncel Y., Keskenler E. F., Nevruzoglu V., Onuk Z., Gorur O.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.616, pp.166-172, 2014 (SCI-Expanded)
- XIX. **Light-assisted deposition of CdS thin films**  
BACAŞIZ E., Novruzov V., KARAL H., YANMAZ E., ALTUNBAS M., KOPYA A.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.34, no.21, pp.3109-3112, 2001 (SCI-Expanded)
- XX. **Formation of p-type CdS thin films by laser-stimulated copper diffusion**  
DZHAFAROV T., ALTUNBAS M., KOPYA A., Novruzov V., BACAŞIZ E.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.32, no.24, 1999 (SCI-Expanded)
- XXI. **EFFECT OF SODIUM IMPURITY ON THE PROPERTIES OF CD<sub>1-X</sub>ZNXS FILMS PREPARED BY ATOMIZATION**  
Bayramov A., Dzhafarov T., Nadzhafov K., NEVRUZOĞLU V., Rzakuliev N.  
INORGANIC MATERIALS, vol.28, no.12, pp.1976-1979, 1992 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Influence of Thermal Annealing on the Band-Gap of TiO<sub>2</sub> Thin Films Produced by the Sol-Gel Method**  
Kanmaz İ., Tomakin M., Aytemiz G., Manır M., Nevruzoğlu V.  
Recep Tayyip Erdoğan Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.5, no.1, pp.49-56, 2024 (Peer-Reviewed Journal)
- II. **Diode production and characterization by evaporation of silver on ZnO thin films by cold substrate method**  
MANIR M., Mando M., AYTEMİZ G., NEVRUZOĞLU V.  
Turkish Journal of Electromechanics and Energy, vol.8, no.1, pp.21-28, 2023 (Peer-Reviewed Journal)
- III. **Carbon Microrod Material Derived from Human Hair and Its Electrochemical Supercapacitor Application**  
BAL ALTUNTAŞ D., Aslan S., NEVRUZOĞLU V.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.3, pp.695-708, 2021 (ESCI)
- IV. **Evaluation of waste human hair as graphene oxide and examination of some characteristics properties**  
BAL ALTUNTAŞ D., NEVRUZOĞLU V.  
El-Cezerî Journal of Science and Engineering, vol.7, no.1, pp.104-110, 2020 (Scopus)
- V. **Influence of Substrate Type on Morphology and Photoluminescence Properties of ZnO Thin Films Prepared by Ultrasonic Spray Pyrolysis Method**  
BİNGÖL E., BOZALİ F., KESKENLER E. F., NEVRUZOĞLU V., TOMAKİN M.  
Turkish Journal of Materials, vol.1, no.1, pp.19-24, 2016 (Peer-Reviewed Journal)
- VI. **n-CdS / p-CdTe İnce Film Heteroekitlerin Elde Edilmesi**

Bayramov A. I., Dzhafarov T. D., NEVRUZOĞLU V., Aliyeva L. A.

Journal Fizika, vol.2, pp.46-48, 2000 (Peer-Reviewed Journal)

VII. **Photoelectrical Properties of Cu<sub>2</sub>S-CdS and Cu<sub>2</sub>S-Cd<sub>1-x</sub>Zn<sub>x</sub>S (x=0.15) Solar Cell**

BAIRAMOV A. I., DZHAFAROV T. D., NADZHAFOV H. I., NEVRUZOĞLU V., RZAKULIEV N. A., AGAEV R. A.

TURKISH JOURNAL OF PHYSICS, vol.18, pp.103-109, 1993 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Photovoltaic Properties of n-CdS/p-Cu<sub>2</sub>S Solar Cells Produced by Three Different Methods**  
Manır M., Genç G., Tomakin M., Nevruzoğlu V.  
3 rd International World Energy Conference, Kayseri, Turkey, 4 - 05 December 2023, vol.1, pp.192-198
- II. **THE EFFECT OF THERMAL TREATMENT CONDITIONS ON THE BAND-GAP PROPERTIES OF TiO<sub>2</sub> THIN FILMS DEPOSITED ON QUARTZ GLASS**  
KANMAZ İ., TOMAKİN M., Aytemiz G., MANIR M., NEVRUZOĞLU V.  
3 rd International World Energy Conference, Kayseri, Turkey, 4 - 05 December 2023, vol.1, pp.47
- III. **The Effect of Thermal Treatment Conditions on the Band-Gap Properties of TiO<sub>2</sub> Thin Films Deposited on Quartz Glass**  
Kanmaz İ., Tomakin M., Aytemiz G., Manır M., Nevruzoğlu V.  
3. International World Energy Conference, Kayseri, Turkey, 4 - 05 December 2023, pp.47
- IV. **INVESTIGATION OF CHARACTERISTIC PROPERTIES OF AU NANOPARTICLES PRODUCED BY CRYOGENIC METHOD**  
GENÇ G., MANIR M., NEVRUZOĞLU V.  
XIV International Scientific Research Congress, Napoli, Italy, 14 - 15 September 2023, vol.1, pp.510-516
- V. **RECYCLING STUDIES IN Si-BASED SOLAR CELLS**  
FIRAT N., MANIR M., AYTEMİZ G., NEVRUZOĞLU V.  
4. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 16 April 2023
- VI. **CDS/CDTE GÜNEŞ PİLİ ÜRETİMİNDE KRİYOJENİK ETKİ UYGULAMALARI**  
Manır M., Genç G., Aytemiz G., Nevruzoğlu V.  
2. Uluslararası Malzeme Mühendisliği ve İleri İmalat Teknolojileri Kongresi (IMEAMTC'23), İstanbul, Turkey, 12 - 13 January 2023, pp.217
- VII. **DOUBLE AND INVESTIGATION OF TEA BUSH-BASED NANOMATERIALS WITH SILVER ATOMS AT CRYOGENIC TEMPERATURES**  
MANIR M., BAL ALTUNTAŞ D., Şeşen Z. K., Aytemiz G., NEVRUZOĞLU V., YILDIZBAKAN Z., YILDIZBAKAN Z.  
2. International World Energy Conference, Kayseri, Turkey, 09 December 2022, pp.47-55
- VIII. **Borçka Karagöl'den Alınan Su Örneklerinde Doğal Radyoaktivite Analizi**  
DİZMAN S., YEŞİLKANAT C. M., AKDEMİR T., NEVRUZOĞLU V., BAL E., KESER R.  
3. Uluslararası Katılımlı Radyasyondan Korunma Kongresi, Ankara, Turkey, 02 December 2022
- IX. **INVESTIGATION OF THE CHARACTERISTIC PROPERTIES OF BORON DOPED CDS THIN FILMS PRODUCED BY CHEMICAL SPRAY PYROLYSIS**  
Manır M., Nevruzoğlu V., Aytemiz G., Çetin M., Şeşen Z. K.  
INTERNATIONAL SYMPOSIUM ON ENERGY MANAGEMENT AND SUSTAINABILITY ISEMAS-2022 , İstanbul, Turkey, 5 - 07 April 2022, pp.138
- X. **RECYCLING APPLICATIONS IN Si BASED SOLAR CELL**  
Manır M., Genç G., Bal Altuntaş D., Tomakin M., Nevruzoğlu V.  
International World Energy Conference, Kayseri, Turkey, 3 - 04 December 2021, pp.183-188
- XI. **PRODUCTION OF p-CdTe FILMS USED IN SOLAR CELL PRODUCTION BY CRYOGENIC SUBSTRATE EFFECT**  
Manır M., Genç G., Tomakin M., İlık B., Nevruzoğlu V.  
International World Energy Conference, Kayseri, Turkey, 3 - 04 December 2021, pp.176-182

- XII. **Çinko oksit ince filmlerinesoğuk altlık metodu ile gümüş buharlaştırılarak diyot üretimi ve karakterizasyonu**  
MANIR M., MANDO M., NEVRUZOĞLU V.  
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi – Mühendislik, Ankara, Turkey, 7 - 10 November 2019, pp.275-283
- XIII. **Physical Origin of Soliton Model Thin Film Growth: CoFe/Cu/CoFe Single Cell**  
DURAK YÜZÜAK G., NEVRUZOĞLU V., YÜZÜAK E.  
Nano TR -15, Antalya, Turkey, 3 - 06 November 2019, pp.131
- XIV. **Graphene Oxide Synthesis with Active Carbon Obtained from Waste Human Hair and Its Characterization**  
Akyol Y., Ekmekçi M. C., NEVRUZOĞLU V., BAL ALTUNTAŞ D.  
NanoTR-15, Antalya, Turkey, 3 - 06 November 2019, vol.77
- XV. **Çinko Oksit İnce Filmlerine Soğuk Altılık Metodu ile Gümüş Buharlaştırılarak Diyot Üretimi ve Karakterizasyonu**  
MANIR M., MANDO M., NEVRUZOĞLU V.  
IV. International Scientific and Vocational Studies Congress – Engineering (BILMES EN 2019), Ankara, Turkey, 7 - 10 November 2019, pp.275-273
- XVI. **Synthesis and characterization of activated carbon produced from waste human hair mass using chemical activation**  
DOKUMACI M., CAM Ş., NEVRUZOĞLU V., BAL ALTUNTAŞ D.  
4th International Energy Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, pp.30-31
- XVII. **Optical properties of evaporated CoFe and Cu metal films at low substrate temperatures**  
Durak Yüzüak G., Nevruzoğlu V., Yüzüak E.  
Karadeniz 1. Uluslararası Multi Disipliner Çalışmalar Kongresi, Giresun, Turkey, 15 - 17 March 2019, pp.129
- XVIII. **The growth of silver based illuminated layer for solar cells with novel method.**  
NEVRUZOĞLU V., Aktepe S., ÖZTÜRK G., BAL ALTUNTAŞ D., TOMAKİN M.  
XI International Conference on Amorphous and Microcrystalline semiconductors, 19 - 21 November 2018
- XIX. **The Growth of Silver Based Illuminated Layer for Solar Cells with Novel Method**  
NEVRUZOĞLU V., Aktepe S., ÖZTÜRK G., BAL ALTUNTAŞ D., TOMAKİN M.  
XI International Conference on Amorphous and Microcrystalline Semiconductors, St Petersburg, Russia, 19 - 21 November 2018, pp.239
- XX. **TheGrowth of Silver Based Illuminated Layer for Solar Cells with Novel Method**  
NEVRUZOĞLU V., Sidar A., ÖZTÜRK G., BAL ALTUNTAŞ D., TOMAKİN M.  
XI International Conference on Amorphous and Microcrystalline Semiconductors, 19 - 21 November 2018, pp.239
- XXI. **The Growth of Silver Based Illuminated Layer for Solar Cells with Novel Method**  
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XI International Conference on Amorphous and Microcrystalline Semiconductors, St Petersburg, Russia, 19 - 21 November 2018, pp.239
- XXII. **Si- Based Solar Cell Recycling Study**  
BAL ALTUNTAŞ D., Aktepe S., TOMAKİN M., NEVRUZOĞLU V.  
International Conference on Energy Research (ENRES), Alanya, Turkey, 31 October - 02 November 2018
- XXIII. **A New Approach For Fighting With Global Warming**  
BAL ALTUNTAŞ D., NEVRUZOĞLU V.  
2nd International Conference on Innovations in Natural Science and Engineering, Kyiv ,Ukraine, Kiev, Ukraine, 7 - 10 September 2018
- XXIV. **Examination of the Biocompatibility of Nano-sized Ag Layer Prepared on Ti-6Al-4V by New Experimental Procedures**  
Yeşil Duymuş Z., Ates S. M., Nevruzoğlu V., Tomakin M., Yüzüak E., Hacıoğlu G., Yılmaz E. Ç., Süleyman F.  
13th Nanoscience and Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017
- XXV. **Examination of the Biocompatibility of Nano-sized Ag layer prepared on Ti-6Al-4V by New Experimental Procedures**

- YEŞİL DUYMUŞ Z., ATEŞ S. M., NEVRUZOĞLU V., TOMAKİN M., YÜZÜAK E., HACIOĞLU G., YILMAZ E. Ç., SÜLEYMAN F.  
Nanoscience and Nanotechnology Conference of Turkey NanoTr13, 22 - 25 October 2017
- XXVI. **Investigation of Characteristic Properties of Ag coated Ti-based Material by Cold Substrate Method**  
NEVRUZOĞLU V., YEŞİL DUYMUŞ Z., TOMAKİN M., YÜZÜAK E., ATEŞ S. M., Buldu İ., YILMAZ E. Ç., SÜLEYMAN F.  
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017
- XXVII. **Examination of the Biocompatibility of Nano-sized Ag Layer Prepared on Ti-6Al-4V by New Experimental Procedures**  
YEŞİL DUYMUŞ Z., ATEŞ S. M., NEVRUZOĞLU V., TOMAKİN M., YÜZÜAK E., Hacioğlu G., Yılmaz E. Ç., Süleyman F.  
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- XXVIII. **Examination of the Biocompatibility of Nano-sized Ag Layer Prepared on Ti-6Al-4V by New Experimental Procedures**  
Yeşil Duymuş Z., Ateş S. M., Nevruzoğlu V., Tomakin M., Yüzüak E., Hacioğlu G., Yılmaz E. Ç., Süleyman F.  
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- XXX. **Investigation of Characteristic Properties of Ag coated Ti-based Material by Cold Substrate Method**  
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- XXXI. **Investigation of Characteristic Properties of Ag coated Ti-based Material by Cold Substrate Method**  
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- XXXII. **Investigation of Characteristic Properties of Ag coated Ti-based Material by Cold Substrate Method**  
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- XXXIII. **Au/n-ZnO/p-Si/Al Heterojunction Diode by Sol-Gel Method**  
KESKENLER E. F., Öztürk G., TOMAKİN M., NEVRUZOĞLU V.  
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.207
- XXXIV. **Effects of High Boron Doping on CdS Thin Films Prepared by Chemical Bath Deposition Method**  
Bozali F., TOMAKİN M., NEVRUZOĞLU V., ONUK Z., KESKENLER E. F.  
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.194
- XXXV. **Effects of High Boron Doping on CdS Thin Films Prepared by Chemical Bath Method**  
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International Physics Conference at the Anatolian Peak, 25 - 27 February 2016
- XXXVI. **Na Doped n CdS p Si Solar Cell**  
ÖZTÜRK G., NEVRUZOĞLU V., KESKENLER E. F., TOMAKİN M.  
International Physics Conference at the Anatolian Peak, 25 - 27 February 2016, pp.69
- XXXVII. **Na Doped n-CdS/p-Si Solar Cell**  
Öztürk G., NEVRUZOĞLU V., KESKENLER E. F., TOMAKİN M.  
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.69
- XXXVIII. **Au n ZnO p Si Al Heterojunction Diode by Sol gel Method**  
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- XXXIX. **Investigation of Some Physical Properties of Boron Doped CdS Thin Films Irradiated with Cs 137**  
Bozali F., TOMAKİN M., KESKENLER E. F., BAYAZIT T., NEVRUZOĞLU V.  
International Physics Conference at the Anatolian Peak, 25 - 27 February 2016
- XL. **Investigation of Some Physical Properties of Boron Doped CdS Thin Films Irradiated with Cs-137**  
Bozali F., TOMAKİN M., KESKENLER E. F., Bayazit T., NEVRUZOĞLU V.  
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.195
- XLI. **Structural and Optical Properties of ZnO Thin Films Prepared on Different Substrates by Ultrasonic**

### **Spray Pyrolysis Method**

Bingöl E., TOMAKİN M., KESKENLER E. F., Bozali F., NEVRUZOĞLU V.

1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.196

**XLII. Influence of Precursor Solution on Structural and Optical Properties of ZnO Thin Films Prepared by Ultrasonic Spray Pyrolysis Method**

Bingöl E., TOMAKİN M., NEVRUZOĞLU V., Bozali F., KESKENLER E. F.

1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.197

**XLIII. Au/n-ZnO/p-Si/Al Heterojunction Diode by Sol-Gel Method**

KESKENLER E. F., Öztürk G., TOMAKİN M., NEVRUZOĞLU V.

1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.207

**XLIV. Metal-Organic Frameworks Improve the Stability of Solar Cells**

NEVRUZOĞLU V., DEMİR S., Karaca G., TOMAKİN M., Bilgin N., YILMAZ F.

Physical-Chemical Problems of Renewable Energy, 11 International Conference, St Petersburg, Russia, 16 - 18 November 2015, pp.199-200

**XLV. Effects of Co Doping and Annealing on CdS Thin Films Deposited Chemical Bath Method.**

ONCEL Y., TOMAKİN M., KESKENLER E. F., NEVRUZOĞLU V., ONUK Z.

31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.407

**XLVI. Synthesis and Characterization of Na-doped CdS Films**

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International Semiconductor Science & Technology Conference, İstanbul, Turkey, 13 - 15 January 2014, pp.106

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