

## Assoc. Prof. Banu SÜNGÜ MISIRLIOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-5802-2020

ScopusID: 55555695400

Yoksis Researcher ID: 188507

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik Bölümü, Turkey 2000 - 2006

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik Bölümü, Turkey 1997 - 2000

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 1993 - 1997

### Research Areas

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

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Fizik Bölümü, 2017 - Continues

Research Assistant PhD, Yildiz Technical University, Fen Edebiyat Fakültesi, Fizik, 2006 - 2017

Research Assistant, Yildiz Technical University, Fen Edebiyat Fakültesi, Fizik Bölümü, 1998 - 2006

### Courses

UYGULAMALI KATIHAL FİZİĞİ 2, Doctorate, 2022 - 2023

Fizik 3, Undergraduate, 2022 - 2023

MODERN FİZİĞE GİRİŞ, Undergraduate, 2019 - 2020

Fizik 2 (Eğitim Fakültesi), Undergraduate, 2018 - 2019

Fizik2 (Hava Harp Okulu), Undergraduate, 2018 - 2019

KATIHAL FİZİĞİ II, Undergraduate, 2019 - 2020

Fizik 2 Grup 38, Undergraduate, 2018 - 2019

Fizik 1 Grup 40, Undergraduate, 2018 - 2019

Fizik 2 Grup 22, Undergraduate, 2017 - 2018

Fizik 2 Grup 37, Undergraduate, 2017 - 2018

Fizik 1 Grup 55, Undergraduate, 2018 - 2019

Fizik 1 Grup13, Undergraduate, 2018 - 2019

## Advising Theses

Süngü Mısırlıoğlu B., Bakır Ferrit Katkılı Biyopolimer Matrislerin Dielektrik Özelliklerinin İncelenmesi, Postgraduate, E.Bilgin(Student), Continues

Süngü Mısırlıoğlu B., Enerji Depolama Cihazlarına Yönelik Ferrit Nanoparçacıkların Sentezi Ve Dielektrik Özelliklerinin İncelenmesi, Postgraduate, C.Siret(Student), Continues

Süngü Mısırlıoğlu B., Çinko Ferrit Temelli Nanokompozitlerin Yapısal ve Dielektrik Özelliklerinin Geliştirilmesi, Postgraduate, K.DEMİRCİ(Student), Continues

Süngü Mısırlıoğlu B., Polimer Bazlı Nanokompozitlerin Dielektrik Özelliklerinin Geliştirilmesi, Postgraduate, E.GÜL(Student), 2024

Süngü Mısırlıoğlu B., Kobalt Ferrit Malzemelerin Manyetik Dielektrik ve Biyouyumluluk Özelliklerinin İncelenmesi, Postgraduate, V.KURT(Student), 2022

## Jury Memberships

Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, August, 2022

Post Graduate, Yüksek Lisans Jürisi, Namık Kemal Üniversitesi, June, 2019

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

- I. **Enhanced dielectric properties of copper substituted nickel ferrite nanoparticles for energy storage applications**  
SÜNGÜ MISIRLIOĞLU B., KAHYA N. D., Öztürk Z.  
Journal of Physics and Chemistry of Solids, vol.193, 2024 (SCI-Expanded)
- II. **Toxicity and energy storage properties of magnesium oxide doped cobalt ferrite nanocomposites for biomedical applications**  
Süngü Mısırlıoğlu B., Kurt V., Çalık H., Çakır Ö., Çakır Koç R.  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, vol.129, pp.1-9, 2023 (SCI-Expanded)
- III. **Investigation of magnetite concentrate utilization as reinforcement in aluminum matrix composites**  
Bırol B., Süngü Mısırlıoğlu B., Çakır Ö.  
JOURNAL OF COMPOSITE MATERIALS, vol.56, no.25, pp.3897-3910, 2022 (SCI-Expanded)
- IV. **Dielectric Response and Capacitance Measurements of Ag/ PVAc-Si /p-Si Structure**  
Süngü Mısırlıoğlu B., Gülşen D., Kuruoğlu F., Çalışkan M., Saraç Özkan A., Serin M.  
SILICON, vol.14, no.16, pp.10795-10805, 2022 (SCI-Expanded)
- V. **Assessment of structural and cytotoxic properties of cobalt ferrite nanoparticles for biomedical applications**  
SÜNGÜ MISIRLIOĞLU B., ÇAKIR Ö., ÇALIK H., Cakir-Koc R.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.52, no.1, pp.57-62, 2022 (SCI-Expanded)
- VI. **Dielectric and magnetic properties of CuFe<sub>2</sub>O<sub>4</sub>/ CuO nanocomposites**  
Kılıç M., Kahya N. D., Süngü Mısırlıoğlu B., Çakır Ö., Güven Özdemir Z.  
Ferroelectrics, vol.571, no.1, pp.183-189, 2021 (SCI-Expanded)
- VII. **A transition in the electrical conduction mechanism of CuO/CuFe<sub>2</sub>O<sub>4</sub> nanocomposites**  
Ozdemir Z. G., Kılıç M., Karabul Y., Misirlioglu B., Çakır Ö., Kahya N. D.  
JOURNAL OF ELECTROCERAMICS, vol.44, pp.1-15, 2020 (SCI-Expanded)
- VIII. **MWCNT induced negative real permittivity in a copolyester of BisphenolA with terephthalic and**

## **isophthalic acids**

Güven Özdemir Z., Şakar D., Kavak P., Pionteck J., Pötschke P., Voit B., Süngü Mısırlıoğlu B.  
MATERIALS RESEARCH EXPRESS, vol.7, no.1, pp.1-16, 2020 (SCI-Expanded)

- IX. **Improved Dielectric and Electrical Properties of PANI Achieved by Using Low Cost Mineral Additive**  
Kılıç M., Karabul Y., Ozdemir Z., Misirlioglu B., İçelli O.  
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.26, pp.300-307, 2019 (SCI-Expanded)
- X. **Structural analysis and dielectric relaxation mechanism of conducting polymer/volcanic basalt rock composites**  
Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Ozdemir Z., Erdonmez S., Misirlioglu B. S., Okutan M., İçelli O.  
Materials Science- Poland, 2019 (SCI-Expanded)
- XI. **Polyvinyl Alcohol/EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub> Composites: Dielectric and Mechanical Properties**  
Süngü Mısırlıoğlu B., Ozdemir Z., Aksakal B., Salt Y., Tırnakçı B., Denктаş C.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.28, pp.1968-1979, 2018 (SCI-Expanded)
- XII. **Synthesis and characterization of EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub>: The influence of temperature on dielectric properties and charge transport mechanism**  
Ozdemir Z., Kılıç M., Karabul Y., Misirlioglu B., Cataltepe O. A., İçelli O.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.63, pp.196-202, 2017 (SCI-Expanded)
- XIII. **Kinetic Studies of the Adsorption of Chlorinated Hydrocarbons Onto Phthalocyanine Thin Film**  
MISIRLIOGLU B., OZDEMIR O., ALTINDAL A.  
IEEE SENSORS JOURNAL, vol.17, no.1, pp.121-126, 2017 (SCI-Expanded)
- XIV. **Vacancy Induced Energy Band Gap Changes of Semiconducting Zigzag Single Walled Carbon Nanotubes**  
DERELİ G., Eyecioglu O., SÜNGÜ MISIRLIOĞLU B.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.3, pp.11-18, 2017 (SCI-Expanded)
- XV. **Optical Properties of Polyaniline Synthesized by Oxidative Polymerization and Electrical Characterization of Ag/PANI/PEDOT:PSS/Ag Structures**  
Misirlioglu B., SERİN M., Kuruoglu F., Dasdan D.  
JOURNAL OF NANO-ELECTRONICS AND OPTOELECTRONICS, vol.11, no.2, pp.219-224, 2016 (SCI-Expanded)
- XVI. **Dielectric relaxation in camphorsulfonic acid-doped polyaniline thin film**  
SÜNGÜ MISIRLIOĞLU B., KARAMAN F., UĞRAŞKAN V., SERİN M., YAZICI Ö.  
Journal Of Optoelectronics And Advanced Materials, vol.17, pp.1874-1879, 2015 (SCI-Expanded)
- XVII. **Strain modulated band gaps of semiconducting zigzag single walled carbon nanotubes**  
DERELİ G., EYECİOĞLU Ö., SÜNGÜ MISIRLIOĞLU B.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.918-924, 2015 (SCI-Expanded)
- XVIII. **A new lower limit for the bond breaking strains of defect-free carbon nanotubes: Tight binding MD simulation study**  
Dereli G., Misirlioglu B., Eyecioglu O., Vardar N.  
COMPUTATIONAL MATERIALS SCIENCE, vol.69, pp.234-242, 2013 (SCI-Expanded)
- XIX. **Thermal stability of metallic single-walled carbon nanotubes: an O(N) tight-binding molecular dynamics simulation study**  
Dereli G., Suengue B., Oezdogan C.  
NANOTECHNOLOGY, vol.18, no.24, 2007 (SCI-Expanded)
- XX. **Temperature dependence of the tensile properties of single-walled carbon nanotubes: O(N) tight-binding molecular-dynamics simulations**  
Dereli G., Sungu B.  
PHYSICAL REVIEW B, vol.75, no.18, 2007 (SCI-Expanded)
- XXI. **The effect of Ag photodiffusion on characteristics of Ag-CdS diode structures**  
Dzhafarov T., Serin M., Oren D., Sungu B., Sadigov M.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.32, no.5, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Vacancy Effect on the Thermal and Tensile Stability of (10,10) Single Walled Carbon Nanotube**  
SÜNGÜ MISIRLIOĞLU B., Eyecioğlu Ö.  
Balkan Physics Letters, vol.18, no.181023, pp.171-179, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Some Recent and Remarkable Applications of Carbon Nanotube and Graphene Based Materials**  
Süngü Mısırlıoğlu B., Güven Özdemir Z.  
in: Concept, Property and Application of Micro/Nanostructured Materials, Jinjin Li, Sen Du, Editor, NOVA Science Publishers Inc. , New-York, pp.21-65, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **ENHANCEMENT OF THE STRUCTURAL AND DIELECTRIC PROPERTIES OF ZINC FERRITE BASED NANOCOMPOSITES**  
Demirci K., Dosdoğru C. S., Süngü Mısırlıoğlu B.  
Turkish Physical Society 40th International Physics Congress, Muğla, Turkey, 2 - 06 September 2024, pp.370
- II. **SYNTHESIS AND DIELECTRIC PROPERTIES OF ZINC FERRITE NANOPARTICLES FOR ENERGY STORAGE DEVICES**  
Dosdoğru C. S., Demirci K., Süngü Mısırlıoğlu B.  
Turkish Physical Society 40th International Physics Congress, Muğla, Turkey, 2 - 06 September 2024, pp.365
- III. **The Effect of Mixed Spinel Ferrites on the Impedance Spectra of Chitosan Films**  
Berber H., Gül E., Oladıpo A. A., Gazi M., Süngü Mısırlıoğlu B.  
Turkish Physical Society 39th International Physics Congress, Muğla, Turkey, 31 August - 04 September 2023, pp.365
- IV. **THE EFFECT OF COBALT DOPING ON THE CYTOTOXICITY OF IRON OXIDE NANOPARTICLES ON FIBROBLAST AND GASTRIC CANCER CELLS**  
Çalık H., Çakır Koç R., Kahya N. D., Kurt V., Süngü Mısırlıoğlu B., Çakır Ö.  
TURKISH PHYSICAL SOCIETY 37TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 1 - 05 September 2021, pp.121
- V. **The Structural and Magnetization Analysis of Co substituted Iron Oxide Nanoparticles**  
Kurt V., Çakır Ö., Kahya N. D., Süngü Mısırlıoğlu B.  
8th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG-2021), Hatay, Turkey, 14 - 16 July 2021, pp.161
- VI. **A Comparison Study of Synthesis and Structural Analyses of Magnesium Oxide Doped Cobalt Ferrite Nanocomposites**  
Kurt V., Süngü Mısırlıoğlu B., Çakır Ö., Kahya N. D., Aşıkoğlu Bozkurt A.  
Turkish Physical Society 35rd International Physical Congress, Muğla, Turkey, 4 - 08 September 2019, pp.185-0
- VII. **Metal/Insulating Poly(vinyl acetate) Latex with Silicon Surfactant /Si MIS Structure**  
Çalışkan M., Kuruoğlu F., Süngü Mısırlıoğlu B., Serin M., Yılmaz M., Saraç Özkan A.  
Turkish Physical Society 35rd International Physical Congress, MUĞLA, Turkey, Muğla, Turkey, 4 - 08 September 2019, pp.344-0
- VIII. **Structural Flexibility of Zigzag Single Walled Carbon Nanotubes**  
Dereli G., Süngü Mısırlıoğlu B., Vardar N., Eyecioğlu Ö.  
21. İstatistiksel Fizik Günleri, Kayseri, Turkey, 19 - 21 June 2014, pp.32
- IX. **Complex Electrical Modulus Spectra Analysis of Multi Walled Carbon Nanotube Doped Ardel Composites**

KAVAK P., SÜNGÜ MISIRLIOĞLU B., GÜVEN ÖZDEMİR Z., ŞAKAR DAŞDAN D., Pionteck J., Pötschke P., Voit B.  
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), Kırklareli, Turkey, 20  
September 2018, pp.144

- X. **Complex Impedance and Ac Conductivity Analyze of Ceramic Doped Poly(Vinil Alcohol) Composites**  
Süngü Mısırlıoğlu B., Güven Özdemir Z., Salt Y., Tırnakçı B.  
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), Kırklareli, Turkey, 20 - 22  
September 2018, pp.155
- XI. **Temperature Dependent Magnetization and Dielectric Properties Of Copper Ferrite/Copper Oxide  
Nano Composites**  
Kılıç M., Güven Özdemir Z., Süngü Mısırlıoğlu B., Çakır Ö., Kahya N. D., Acet M.  
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), Kırklareli, Turkey, 20 - 22  
September 2018, pp.156
- XII. **Adjustable AC Conductivity in ARDEL/MWCNT Composites**  
Şakar Daşdan D., Süngü Mısırlıoğlu B., Güven Özdemir Z., Kavak P., Pionteck J., Pötschke P., Voit B.  
4th International Conference on New Trends in Chemistry, Sankt-Peterburg, Russia, 11 - 13 May 2018, pp.79
- XIII. **EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub> Ceramic Additive on Micro-Structural and Mechanical Properties of Polyvinil  
Alcohol (PVA)**  
Güven Özdemir Z., Süngü Mısırlıoğlu B., Aksakal B., Tırnakçı B., Salt Y., Denkdaş C.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey,  
11 - 13 October 2017, pp.49
- XIV. **Dielectric Spectra of Copper Ferrite/Copper Oxide Nano Composites**  
Güven Özdemir Z., Kılıç M., Süngü Mısırlıoğlu B., Çakır Ö., Kahya N. D.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey,  
11 - 13 October 2017, pp.125
- XV. **Impedance Spectrum of Poly(vinyl acetate) Latex with Silicon Surfactant**  
SÜNGÜ MISIRLIOĞLU B., Gülşen D., GÜVEN ÖZDEMİR Z., ÇALIŞKAN M., SARAÇ A., SERİN M.  
Turkish Physical Society 33rd International Physical Congress, 6 - 10 September 2017, pp.616
- XVI. **THE IMPACT OF DIFFERENT TYPE OF ZEOLITES ON DIELECTRIC SPECTRUM OF POLYVINYL ALCOHOL**  
DENKDAŞ C., GÜVEN ÖZDEMİR Z., SÜNGÜ MISIRLIOĞLU B., Yılmaz Baysoy D., SALT Y.  
2nd International Conference on Viable Energy Trends (InVenT-2017), Helsinki, Finland, 28 April 2017, pp.189-  
197
- XVII. **Temperature Dependence of Dielectric Properties and Electrical Conductivity of EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub>**  
Güven Özdemir Z., Kılıç M., Karabul Y., Süngü Mısırlıoğlu B., Aslan Çataltepe Ö., İçelli O.  
2nd International Congress on The World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey,  
28 September - 02 October 2016, pp.161
- XVIII. **Eu-Ba-Ca-Cu-O Perovskite Material as a Negative Temperature Coefficient Thermistor**  
Güven Özdemir Z., Kılıç M., Karabul Y., Süngü Mısırlıoğlu B., Aslan Çataltepe Ö., İçelli O.  
2nd International Congress on The World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey,  
28 September - 02 October 2016, pp.160
- XIX. **The Influence of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) doping on the Impedance  
Spectra of NiPc Thin Films**  
SÜNGÜ MISIRLIOĞLU B., Güven Özdemir Z., Altındal A.  
OEMT2016:2nd INTERNATIONAL ORGANIC ELECTRONIC MATERIAL TECHNOLOGIES CONFERENCE, 01 May 2016
- XX. **The Effect of Dipole Moment of Analytes on the Response of Phthalocyanine Thin Films**  
ÖZDEMİR O., MISIRLIOĞLU B., ALTINDAL A.  
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015,  
vol.1722
- XXI. **Tight Binding Molecular Dynamics Simulations of Vacancy Defected Single Walled Carbon Nanotubes**  
Dereli G., Ferman Gülmez C., Süngü Mısırlıoğlu B.  
19. Ulusal Sıvihal Fizigi Sempozyumu, İstanbul, Turkey, 19 December 2015, pp.22
- XXII. **Second-order kinetic model for the adsorption of chlorinated hydrocarbons on ball-type**

### **phthalocyanine thin film**

SÜNGÜ MISIRLIOĞLU B., Altındal A.

International Conference on Nanoscience and Nanotechnology For Next Generation-NANONG2015, 01 October 2015

- XXIII. **Vacancy induced energy band gap changes of semiconducting zigzag single walled carbon nanotubes**  
DERELİ G., SÜNGÜ MISIRLIOĞLU B., EYECİOĞLU Ö.  
International Conference on Diamond and Carbon Materials–DIAM2015, Bad Homburg, Germany, 6 - 10 September 2015
- XXIV. **Dye-sensitized solar cell based on ball type phthalocyanine dyes**  
Erdönmez S., Süngü Mısırlıoğlu B., Altındal A.  
9th International Physics Conference of the Balkan Physical Union – BPU9, İstanbul, Turkey, 24 - 27 August 2015, pp.518
- XXV. **Electrical Characterization of Ag/Polyaniline (Pedot:PSS)/ITO Structure**  
Süngü Mısırlıoğlu B., Serin M., Kuruoğlu F., Şakar Daşdan D.  
OEMT2015: First International Conference on Organic Electronic Material Technologies, Elazığ, Turkey, 25 - 28 March 2015, pp.226
- XXVI. **Heating Carbon Nanotubes: Tight Binding MD Simulations**  
Dereli G., Süngü Mısırlıoğlu B., Eyecioğlu Ö.  
Graphene and Related Technologies: from Laboratory to Industry - 2014, İstanbul, Turkey, 13 - 14 October 2014, pp.44
- XXVII. **Thermal Study of Carbon Nanotubes: Tight-Binding Molecular Dynamics Simulations**  
Dereli G., Süngü Mısırlıoğlu B., Özdoğan C.  
Türk Fizik Derneği 22. Fizik Kongresi, Muğla, Turkey, 14 - 17 September 2004, pp.161-168
- XXVIII. **Tensile Elongation Limits of Defect-free Single Walled Carbon Nanotubes**  
Dereli G., Süngü Mısırlıoğlu B., Eyecioğlu Ö., Vardar N.  
10th Nanoscience and Nanotechnology Conference NANOTR-10, İstanbul, Turkey, 21 - 24 July 2014, pp.333
- XXIX. **Correlations between structural change and the electronic behavior of Carbon Nanotubes**  
Dereli G., Vardar N., Eyecioğlu Ö., Süngü Mısırlıoğlu B.  
Türk Fizik Derneği 31.Uluslararası Fizik Kongresi, Muğla, Turkey, 21 - 24 July 2014, pp.154
- XXX. **Performance Analysis Of Parallel Algorithms Used In Simulations of (7,7) Metallic Single Wall Carbon Nanotubes**  
Dereli G., Eyecioğlu Ö., Vardar N., Süngü Mısırlıoğlu B., Arı I.  
17. Ulusal Sıvihal Fiziği Sempozyumu, İstanbul, Turkey, 13 - 14 December 2013, pp.1-2
- XXXI. **Strain Energy of the (12,0) and (14,0) Carbon Nanotubes**  
Dereli G., Eyecioğlu Ö., Süngü Mısırlıoğlu B., Vardar N.  
Türk Fizik Derneği 30.Uluslararası Fizik Kongresi, İstanbul, Turkey, 2 - 05 September 2013, pp.183
- XXXII. **Durability Simulations of (n,0) Zigzag SWCNTs by Tight-Binding Molecular Dynamics**  
Dereli G., Vardar N., Eyecioğlu Ö., Süngü Mısırlıoğlu B.  
Türk Fizik Derneği 30.Uluslararası Fizik Kongresi, İstanbul, Turkey, 2 - 05 September 2013, pp.192
- XXXIII. **Vacancy Depended Band Gap Modification of Carbon Nanotubes**  
Dereli G., Eyecioğlu Ö., Vardar N., Süngü Mısırlıoğlu B.  
9th Nanoscience and Nanotechnology Conference, Erzurum, Turkey, 24 - 28 June 2013, pp.230
- XXXIV. **How far can you stretch the seamless carbon nanotubes?**  
Dereli G., Süngü Mısırlıoğlu B., Eyecioğlu Ö., Vardar N.  
16. Ulusal Sıvihal Fiziği Sempozyumu, İstanbul, Turkey, 21 - 22 December 2012, pp.1
- XXXV. **Physical Characteristics of Carbon Nanotubes Under Tensile Elongations**  
DERELİ G., SÜNGÜ MISIRLIOĞLU B.  
Türk Fizik Derneği 29.Uluslararası Fizik Kongresi, Bodrum, Turkey, 5 - 08 September 2012
- XXXVI. **Breaking Strains of Defect-free Carbon Nanotubes: Tight Binding MD Simulation study**  
SÜNGÜ MISIRLIOĞLU B., Eyecioğlu Ö., Vardar N.  
19. İstanbul İstatistiksel Fizik Günleri, 01 June 2012

- XXXVII. **Tensile Stability of Topologically Defective Armchair and Zigzag Nanotubes**  
Dereli G., Süngü Mısırhoğlu B., Eyecioğlu Ö.  
Turkish Physical Society 28th International Physics Congress, Bodrum-TURKEY, Muğla, Turkey, 6 - 09 September 2011, pp.267
- XXXVIII. **Karbon Nanotüp Simülasyon Laboratuvarı 2003**  
Dereli G., Süngü Mısırhoğlu B., Eyecioğlu Ö., Eyecioğlu N.  
Fikirler Pazarı, İstanbul, Turkey, 24 - 25 May 2011, pp.55
- XXXIX. **The Effect of Vacancy Density on the Fracture of an Armchaired Carbon Nanotube**  
SÜNGÜ MISIRLIOĞLU B., Eyecioğlu Ö.  
Türk Fizik Derneği 27.Uluslararası Fizik Kongresi, 01 September 2010
- XL. **Diameter Effect on the Tensile Properties of Defected Armchair Single Walled Carbon Nanotubes**  
SÜNGÜ MISIRLIOĞLU B., Eyecioğlu Ö.  
17. İstanbul İstatistiksel Fizik Günleri, 01 July 2010
- XLI. **The Effect of Vacancies on the Mechanical Properties of (10,10) Single Walled Carbon Nanotubes**  
Dereli G., Süngü B., Eyecioğlu Ö.  
6. Nanobilim ve Nanoteknoloji Konferansı (NanoTR-VI), İzmir, Turkey, 15 - 18 June 2010, pp.399
- XLII. **Vacancy Effect On The Thermal Stability of 10 10 Single Walled Carbon Nanotubes**  
DERELİ G., SÜNGÜ B.  
Türk Fizik Derneği 26.Uluslararası Fizik Kongresi, bodrum, 24 - 27 September 2009
- XLIII. **Low Temperature Thermal Behaviour of Armchair Single Walled Carbon Nanotubes**  
DERELİ G., SÜNGÜ B.  
16. İstanbul İstatistiksel Fizik Günleri, Turkey, 25 - 27 June 2009
- XLIV. **Diameter and Chirality Effect on the Thermal Expansion of Single Walled Carbon Nanotubes**  
DERELİ G., SÜNGÜ B.  
5.Ulusal Nanobilim ve Nanoteknoloji Konferansı (NanoTR-V), Turkey, 8 - 12 June 2009
- XLV. **A Molecular Dynamics Study of the Young Modulus of Single Walled Carbon Nanotubes with Respect to Tube Radius**  
DERELİ G., SÜNGÜ B.  
12. Ulusal Sıvihal Fiziği Sempozyumu, Turkey, 31 October - 02 November 2008
- XLVI. **Tensile Strength of Thermally Deformed Carbon Nanotubes**  
DERELİ G., SÜNGÜ B.  
Turkish Physical Society 25th International Physical Congress, bodrum, Turkey, 25 - 29 September 2008
- XLVII. **Chirality Dependence of the Tensile Properties of Carbon Nanotubes**  
DERELİ G., SÜNGÜ B.  
15. İstanbul İstatistiksel Fizik Günleri, Turkey, 19 - 21 June 2008
- XLVIII. **High Temperature Chirality Effects on the Mechanical Properties of Single Walled Carbon Nanotubes**  
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## **Metrics**

Publication: 82  
Citation (WoS): 131  
Citation (Scopus): 293  
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## **Non Academic Experience**

HAVA HARP OKULU