

## Assoc. Prof. BUKEM TANOREN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-1364-2019

### Biography

Dr. Bukem Tanoren received her undergraduate degree in 1998 from Department of Physics in Bogazici University. She received her master's degree from the same department in 2001 in the field of Solid State Physics. During her graduate studies, she also took part in the ATLAS experiment at the European Center for Nuclear Research (CERN). She received her PhD from the same department in 2007 with her research on Optical Sensor. Afterwards, she worked as a postdoctoral researcher at Department of Physics in Bogazici University, to develop an Optical Humidity Sensor. She started working at Dogus University in 2008 and gave support to the Turkish Accelerator Center Project. In 2010, she worked as a researcher in Department of Physics and Astronomy at University College London. After returning to Turkey, she worked at Yeditepe University and Piri Reis University. Returning to Department of Physics in Bogazici University as a postdoctoral researcher in 2016, she started working on the Multimodal Biomedical Microscopy Development Project supported by the Strategy and Budget Department of the Presidency of the Republic of Turkey. She came to Medical Engineering Department in Acibadem University in 2020 and later became the department head of the Department of Natural Sciences established in the Faculty of Engineering and Natural Sciences.

### Education Information

Doctorate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2001 - 2007

Postgraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1998 - 2001

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1993 - 1998

### Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

### Certificates, Courses and Trainings

Health&Medicine, Deneý Hayvanları Kullanım Eđitimi, Bođaziçi Üniversitesi, 2016

Vocational Training, Spring College on Science at the Nanoscale , The Abdus Salam International Centre for Theoretical Physics, 2004

Vocational Training, Summer School on Physics of Advanced Materials , Aristotle University of Thessaloniki, 2003

Vocational Training, Winter College on Ultrafast Non-linear Optics, The Abdus Salam International Centre for Theoretical Physics, 2002

Vocational Training, Winter School on Laser Spectroscopy and Applications, The Abdus Salam International Centre for Theoretical Physics, 2001

Vocational Training, ICFA Instrumentation School in Istanbul , International Committee for Future Accelerators (ICFA), Istanbul University, 1999

## **Dissertations**

Doctorate, Effects of Gases on Optical Properties of Polyethylene Glycol, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2007

Postgraduate, Conductivity Mechanisms in Metallic Glasses, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2001

## **Research Areas**

Radiation Oncology, 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, Biophysics

## **Academic Titles / Tasks**

Associate Professor, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2022 - Continues

Assistant Professor, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2020 - 2022

Expert PhD, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2016 - 2020

Assistant Professor, Yeditepe University, Faculty Of Arts And Sciences, Department Of Physics, 2012 - 2015

Assistant Professor, Piri Reis University, Faculty Of Arts And Sciences, 2011 - 2015

Expert PhD, University College London, 2010 - 2010

Assistant Professor, Dogus University, Faculty Of Arts And Sciences, Department Of Physics, 2008 - 2009

Expert PhD, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2007 - 2008

Research Assistant, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 1998 - 2007

Research Assistant, CERN, 1999 - 1999

## **Academic and Administrative Experience**

Head of Department, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2021 - Continues

Fakülte Kurulu Üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2021 - Continues

## Courses

Theranostic Nanoparticles , Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Medical Imaging, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Theranostic Nanoparticles, Postgraduate, 2024 - 2025  
Physics 2, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Advanced Theranostic Nanoparticles , Doctorate, 2024 - 2025, 2023 - 2024, 2021 - 2022  
Physics 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Electrical and Electronic Circuits, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Humanities of Science, Undergraduate, 2023 - 2024, 2022 - 2023  
Fizik 1, Undergraduate, 2023 - 2024, 2022 - 2023  
Medical Electronics, Undergraduate, 2021 - 2022  
Physics 2, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Physics 2, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Physics 1, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Calculus 1, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Calculus 1, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Physics 1, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Physics 2, Undergraduate, 2008 - 2009  
Physics 1, Undergraduate, 2008 - 2009  
Calculus 1, Undergraduate, 2008 - 2009

## Advising Theses

Tanoren B., Kazancı M., Characterization of polymer films , Doctorate, O.Aras(Student), Continues  
Tanoren B., Healing Effect of Carbon Quantum Dots, Postgraduate, F.Ataei(Student), Continues  
Tanoren B., Ünlü M. B., Acoustic Microscopy in Diagnosis, Doctorate, M.Parlak(Student), Continues  
Tanoren B., Güzelçimen F., Tez Adı Yüksek Vakum Ortamında Üretilen BaxMg1-xF2 Alaşımının Morfolojik Özelliklerine Atomik Konsantrasyonun Etkisinin İncelenmesi, Postgraduate, E.Bariş(Student), 2023  
Tanoren B., Güzelçimen F., Yüksek vakum ortamında üretilen BaxMg1-xF2 alaşımının morfolojik özelliklerine atomik konsantrasyonun etkisinin incelenmesi, Postgraduate, E.BARIŞ(Student), 2023

## Jury Memberships

Doctorate, Doctorate, Boğaziçi Üniversitesi, June, 2022  
Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, March, 2021

## Designed Lessons

Tanoren B., Bilimde beşeri yaklaşımlar, Undergraduate, 2022 - 2023  
Tanoren B., Bilimde beşeri yaklaşımlar, Undergraduate, 2022 - 2023  
Tanoren B., Akın A., Elektrik ve Elektronik Devreler, Undergraduate, 2021 - 2022  
Tanoren B., Advanced Theranostic Nanoparticles, Doctorate, 2021 - 2022  
Tanoren B., Akın A., Medikal Elektronik, Undergraduate, 2021 - 2022  
Tanoren B., Theranostic Nanoparticles, Postgraduate, 2021 - 2022  
Tanoren B., Fizik 1, Undergraduate, 2020 - 2021

Erdoğan S. B., Tanoren B., Medical Imaging, Undergraduate, 2020 - 2021

Tanoren B., Fizik 2, Undergraduate, 2019 - 2020

## Research Infrastructure Information

Tanoren B., BUKEM LAB & RESEARCH GROUP, January 2022

Tanoren B., Ünlü M. B., Scanning Acoustic Microscopy, July 2017

Tanoren B., Türk Hızlandırıcı Merkezi Teknik Tasarımı ve Test Laboratuvarları, January 2016

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

- I. **Examination of annulus fibrosus and nucleus pulposus in cervical and lumbar intervertebral disc herniation patients by scanning acoustic microscopy, scanning electron microscopy and energy dispersive spectroscopy**  
TANOREN B., Dipcin B., Birdogan S., Unlu M. B., Ozdol C., Aghayev K.  
RSC ADVANCES, vol.14, no.4, pp.2603-2609, 2024 (SCI-Expanded)
- II. **Atrial fibrillation designation with micro-Raman spectroscopy and scanning acoustic microscope**  
Tanoren B., Parlatan U.  
SCIENTIFIC REPORTS, vol.12, pp.6461, 2022 (SCI-Expanded)
- III. **A novel practical approach for monitoring the crosslink density of an ethylene propylene diene monomer compound: Complementary scanning acoustic microscopy and FIB-SEM-EDS analyses**  
Yazici N., Opar E., KODAL M., TANOREN B., SEZEN M., Ozkoc G.  
POLYMERS & POLYMER COMPOSITES, vol.30, 2022 (SCI-Expanded)
- IV. **Aortic aneurysm evaluation by scanning acoustic microscopy and Raman spectroscopy**  
TANOREN B., Parlatan U., Parlak M., Kecoglu I., ÜNLÜ M. B., Oztas D. M., Ulukan M. O., Erkanli K., Ugurlucan M.  
ANALYTICAL METHODS, vol.13, pp.4683-4690, 2021 (SCI-Expanded)
- V. **Aortic Aneurysm Evaluation by Scanning Acoustic Microscopy and Raman Spectroscopy**  
Tanoren B.  
Analytical Methods, vol.13, pp.4683-4690, 2021 (SCI-Expanded)
- VI. **Determination of modifications in rat liver due to phthalate uptake by SAM, RS, and ICP-OES**  
TANOREN B., Parlatan U., Parlak M., Selcuk B., Ates Alkan F., Pastaci Ozsobaci N., Albeniz G., Turker Sener L., Albeniz I., ÜNLÜ M. B.  
ANALYTICAL METHODS, vol.13, pp.2926-2935, 2021 (SCI-Expanded)
- VII. **Scanning acoustic microscopy in examining cerebral aneurysm**  
Tanoren B.  
Applied Acoustics, vol.179, pp.108052, 2021 (SCI-Expanded)
- VIII. **The effect of thickness on surface structure of rf sputtered TiO<sub>2</sub> thin films by X-ray photoelectron spectroscopy, atomic force microscopy and scanning acoustic microscopy**  
Tanoren B.  
VACUUM, vol.182, pp.109766, 2020 (SCI-Expanded)
- IX. **Acoustic diagnosis of elastic properties of human tooth by 320 MHz scanning acoustic microscopy after radiotherapy treatment for head and neck cancer**  
Demirkan I., Yaprak G., Ceylan C., Algul E., Tomruk C. O., Bilen B., Unlu M. B.  
RADIATION ONCOLOGY, vol.15, 2020 (SCI-Expanded)
- X. **Determining sodium diffusion through acoustic impedance measurements using 80 MHz Scanning Acoustic Microscopy: Agarose phantom verification**  
Demirkan I., Unlu M. B., Bilen B.  
ULTRASONICS, vol.94, pp.10-19, 2019 (SCI-Expanded)
- XI. **Determination of Ultrastructural Properties of Human Carotid Atherosclerotic Plaques by Scanning**

**Acoustic Microscopy, Micro-Computer Tomography, Scanning Electron Microscopy and Energy Dispersive X-Ray Spectroscopy**

Bilen B., Sener L. T., Albeniz I., Sezen M., Unlu M. B., Ugurlucan M.

SCIENTIFIC REPORTS, vol.9, 2019 (SCI-Expanded)

- XII. **Scanning Acoustic Microscopy and Time-Resolved Fluorescence Spectroscopy for Characterization of Atherosclerotic Plaques**  
Bilen B., Gokbulut B., Kafa U., Heves E., Inci M. N., Unlu M. B.  
SCIENTIFIC REPORTS, vol.8, 2018 (SCI-Expanded)
- XIII. **Wavelength and coherence effects on the growth mechanism of silicon nanopillars and their use in the modification of spontaneous lifetime emission of BODIPY dye molecules**  
Acikgoz S., Bilen B., Saygili A. C., Aktas G., Sanyal A., Inci M. N.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.108, no.4, pp.801-807, 2012 (SCI-Expanded)
- XIV. **Use of polyethylene glycol coatings for optical fibre humidity sensing**  
Acikgoz S., Bilen B., Demir M. M., Menceloglu Y. Z., Skarlatos Y., Aktas G., Inci M. N.  
OPTICAL REVIEW, vol.15, no.2, pp.84-90, 2008 (SCI-Expanded)
- XV. **In situ measurement of humidity induced changes in the refractive index and thickness of polyethylene glycol thin films**  
Bilen B., Skarlatos Y., Aktas G., Inci M. N., Dispinar T., Kose M. M., Sanyal A.  
JOURNAL OF APPLIED PHYSICS, vol.102, no.7, 2007 (SCI-Expanded)
- XVI. **Frequency-dependent conductivity in unannealed thin films of As<sub>0.40</sub>Se<sub>0.40</sub>Te<sub>0.20</sub>**  
Bilen B., Skarlatos Y., Aktas G.  
THIN SOLID FILMS, vol.515, no.13, pp.5329-5333, 2007 (SCI-Expanded)
- XVII. **Effects of humidity and acetone on the optical and electrical properties of porous silicon nanostructures**  
Tanoren B.  
PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 14 NO 5, vol.4, no.2, pp.601-603, 2007 (SCI-Expanded)
- XVIII. **Frequency-dependent conductivity in AS(2)Se(3) and AS(2)Te(3) thin films**  
Bilen B., Skarlatos Y., Aktas G.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.351, pp.2153-2158, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Calibration of scanning acoustic microscopy for the differentiation between unstable and stable atherosclerotic plaques by X-ray fluorescence imaging.**  
Tanoren B.  
RADIATION PHYSICS AND CHEMISTRY, vol.224, pp.112058, 2024 (Peer-Reviewed Journal)
- II. **Determination of the significance of atomic concentration on surface properties of BaxMg1-xF2 alloy coatings via microscopic and spectroscopic techniques**  
Tanoren B.  
RSC ADVANCES, vol.14, pp.26043-26049, 2024 (Peer-Reviewed Journal)
- III. **Examination of Film Thickness Dependence on Acoustic Impedance of Gold and Chromium Thin Films by Scanning Acoustic Microscopy**  
Tanoren B.  
International Journal of Advances in Engineering and Pure Sciences, vol.33, no.3, pp.505-510, 2021 (Peer-Reviewed Journal)
- IV. **Carotid artery plaque structure in the context of symptomatic/asymptomatic nature of carotid artery stenosis**  
Oztas D. M., TANOREN B., Sener L. T., Beyaz M. O., Ulukan M. O., Unal O., ÜNLÜ M. B., Reis P. E. O., Ugurlucan M.  
COR ET VASA, vol.63, no.4, pp.459-465, 2021 (Peer-Reviewed Journal)

- V. **Examination of impact of Di(2-Ethylhexyl) Phthalate and Dibutyl Phthalate on Rat internal organs by scanning acoustic microscopy and inductively coupled plasma optical emission spectroscopy**  
Tanoren B.  
Medical Science and Discovery , vol.8, pp.275-282, 2021 (Peer-Reviewed Journal)
- VI. **Işıldayan Kuantum Noktacıklarla Ne Kazandık?**  
Tanoren B.  
Bilim ve Teknik Dergisi, no.641, pp.70-76, 2021 (Peer-Reviewed Journal)
- VII. **Analysis of atherosclerosis by inductively coupled plasma optical emission spectroscopy and scanning acoustic microscopy**  
Tanoren B., Ugurlucan M., Alkan F. A.  
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.6, 2020 (Peer-Reviewed Journal)
- VIII. **Scanning acoustic microscopy of quantum dot aggregates**  
Bilen B., Parlak M., Unlu M. B.  
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.5, 2019 (Peer-Reviewed Journal)
- IX. **Examination of metal mobilization from a gunshot by scanning acoustic microscopy, scanning electron microscopy, energy-dispersive X-ray spectroscopy, and inductively coupled plasma optical emission spectroscopy: a case report.**  
Bilen B., Ates Alkan F., Barutcu U. B., Sezen M., Unlu M. B., Aghayev K.  
Journal of medical case reports, vol.12, pp.391, 2018 (Peer-Reviewed Journal)
- X. **Visualization of human kidney embryonic cells by acoustic microscopy**  
Tanoren B., Pastacı Özsoğacı N., Ateş Alkan F., Ünlü M. B.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.14, no.4, pp.455-460, 2018 (Peer-Reviewed Journal)
- XI. **Characterization of Carotid Atherosclerotic Plaques by Measurement of Acoustic Impedance**  
Tanoren B., Kafa Ü., Ünlü M. B.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.14, no.3, pp.321-325, 2018 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Pathological Diagnosis with Scanning Acoustic Microscopy and Photoacoustic Microscopy**  
Tanoren B.  
in: Emerging Trends in Ultrasound Imaging, Dave Fornell, Editor, OpenAccess e Books, Nevada, pp.1-8, 2020
- II. **Designating Vulnerability of Atherosclerotic Plaques.**  
Tanoren B.  
in: Lipid Peroxidation Research, Mahmoud Ahmed Mansour, Editor, Intech Open, London, pp.101-115, 2019

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Investigation of development of atrial fibrillation after coronary artery bypass surgery by scanning acoustic microscopy**  
Tanoren B.  
6th International Zeugma Conference on Scientific Researches, Gaziantep, Turkey, 19 - 20 June 2021, pp.31-32
- II. **Pathological Diagnosis with Scanning Acoustic Microscope**  
Tanoren B.  
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 04 September 2019, pp.1-2
- III. **Nanostructured TiO<sub>2</sub> Layer Thickness Dependence of the Surface Morphology and Acoustic Impedance**  
Tanoren B.  
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 04 September 2019, pp.1-2
- IV. **Pathological Diagnosis with Scanning Acoustic Microscope**

- Tanoren B.  
24th National Congress of Electron Microscopy, Edirne, Turkey, 24 - 26 April 2019, pp.1-2
- V. **Scanning acoustic microscopy of quantum dots**  
Tanoren B.  
SPIE OPTO, California, United States Of America, 02 February 2019, pp.1-2
- VI. **Optical properties of water-based colloidal suspensions of graphene quantum dots**  
Tanoren B.  
SPIE OPTO, California, United States Of America, 2 - 07 February 2019, pp.10929
- VII. **Acoustic Impedance Measurement of Radiotherapy-Induced Effect on the Human Tooth by 320 MHz Scanning Acoustic Microscopy**  
Demirkan I., Yaprak G., Ceylan C., Algul E., Parlak M., Unlu M. B., Bilen B.  
Conference on Imaging, Manipulation, and Analysis of Biomolecules, Cells, and Tissues XVII, San-Francisco, Costa Rica, 4 - 06 February 2019, vol.10881
- VIII. **Characterization of Intermittent Hypoxia Effects on Bone Structure by Acoustic Impedance**  
Tanoren B.  
14th Greta Pifat Mrzljak International School of Biophysics. , Cheske-Budejovice, Czech Republic, 23 August 2018
- IX. **Development of a Tunable Fiber-Based MOPA Laser System for PAM and Design of a PDMS Microfluidics Device as a Phantom**  
Tanoren B.  
SPIE OPTO, California, United States Of America, 28 February 2017, pp.1-2
- X. **PA signal produced by PDMS phantoms with different concentrations of cells using a novel fiber laser.**  
Tanoren B.  
SPIE OPTO, California, United States Of America, 28 February 2017, pp.1-2
- XI. **The TAC IR FEL Oscillator Facility Project**  
Tanoren B.  
FEL09 Conference, Liverpool, United Kingdom, 23 August 2009, pp.1-2
- XII. **Optik Laboratuvarlar**  
Tanoren B.  
VII. THM Çalıştayı, Kayseri, Turkey, 18 June 2009
- XIII. **IR SEL KULLANILAN DENEYSEL TEKNİKLER**  
Tanoren B.  
Türk Hızlandırıcı Merkezi 1. Arama Konferansı , Ankara, Turkey, 06 June 2009
- XIV. **IR SEL KULLANIMI İÇİN SUM FREQUENCY GENERATION (SFG) VE PUMP-PROBE YÖNTEMLERİ**  
Tanoren B.  
Türk Hızlandırıcı Merkezi 6. Çalıştayı, Ankara, Turkey, 02 December 2008
- XV. **MATERIAL CHARACTERIZATION WITH TAC IR-FEL**  
Tanoren B.  
Türk Hızlandırıcı Merkezi 5. Çalıştayı, İstanbul, Turkey, 05 June 2008
- XVI. **In situ measurement of humidity induced changes in the refractive index and thickness of polyethylene glycol thin films**  
Bilen B., Skarlatos Y., Aktas G., Inci M. N., Dispinar T., Kose M. M., Sanyal A.  
6th International Conference on Photonics, Prague, Czech Republic, 27 - 29 August 2008, vol.7138
- XVII. **Decay rate measurement of perylene dye molecules attached to porous silicon nanostructures**  
Inci M. N., Bilen B., Acikgoz S.  
6th International Conference on Photonics, Prague, Czech Republic, 27 - 29 August 2008, vol.7138
- XVIII. **Frequency-dependent conductivity in AS<sub>2</sub>Se<sub>3</sub> and AS<sub>2</sub>Te<sub>3</sub> thin films.**  
Tanoren B.  
Turkish Physical Society 24th International Physics Congress, Malatya, Turkey, 28 September 2007, pp.1-2
- XIX. **Frequency-dependent conductivity in unannealed thin films of As<sub>0.40</sub>Se<sub>0.40</sub>Te<sub>0.20</sub>**  
Bilen B., Skarlatos Y., Aktas G.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.588

**XX. Effects of humidity and acetone on the optical and electrical properties of porous silicon nanostructures**

Erdamar O., Bilen B., Skarlatos Y., Aktas G., Inci M. N.

International Conference on Superlattices, Nano-Structures and Nano-Devices, İstanbul, Turkey, 30 July - 04 August 2006, vol.4, pp.601-602

## Supported Projects

Tanoren B., Kocagöz Z. T., Kizilbey K., Gök Özatay Ö., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Farklı Kuantum Noktalarının Standart Mikroorganizma Suşu ve Laboratuvar Koleksiyon Suşlarında Antimikrobiyal Etkilerinin Araştırılması ve Suşların Floresan Mikroskopisi ile Görüntülenmesi, 2024 - 2026

Tanoren B., Kizilbey K., Keskin Toklu N., Gök Özatay Ö., Dipçin B., Project Supported by Other Official Institutions, Investigation of the Effect of PEGylation of Carbon Quantum Dots and Peptide Interactions on Cell Viability, Apoptosis and Cell Localization, 2024 - 2025

Tanoren B., Kizilbey K., Project Supported by Higher Education Institutions, Sıcak Baloncuk Metodu ile Karbon Kuantum Noktası Sentezlenmesi ve Karakterizasyonu, 2023 - 2024

Tanoren B., Gök Ö., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), TTR Geni Hedefli Nanoparçacıkların Oluşturulması ve Nanoparçacıkların Transtiretin Proteini Üretimi ile Hücre Canlılığına Etkisinin Araştırılmasıyla Hücre Lokalizasyonunun Konfokal Mikroskopla Gözlemlenmesi, 2023 - 2024

Tanoren B., Ünlü M. B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Multimodal Biyomedikal Mikroskop Geliştirme ve Moleküler Görüntüleme Laboratuvarı (3m-lab), 2016 - 2021

Tanoren B., Cacialli F., EU Supported Other Project, THREADMILL: Threaded Molecular Wires as Supramolecularly Engineered Multifunctional Materials, 2009 - 2011

Tanoren B., Cacialli F., FP1 Project, Marie Curie Research Training Network: THREADMILL: Threaded Molecular Wires as Supramolecularly Engineered Multifunctional Materials, 2010 - 2010

Tanoren B., İnci M. N., TUBITAK Project, Plastic Fiber Optic Gas Sensor, 2007 - 2009

## Memberships / Tasks in Scientific Organizations

Türk Elektron Mikroskopi Derneği, Member, 2021 - Continues, Turkey

Türk Biyofizik Derneği, Member, 2020 - Continues, Turkey

Türk Fizik Derneği, Member, 2016 - Continues, Turkey

SPIE, Member, 2016 - Continues, United States Of America

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, December 2023

SCIENTIFIC REPORTS, Journal Indexed in SSCI, February 2023

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, February 2023

Project Supported by Higher Education Institutions, BAP Research Project, Yıldız Technical University, Turkey, March 2021

## Scientific Consultations

Siegen Üniversitesi, Project Consultancy, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, Turkey, 2021 - Continues

Boğaziçi Üniversitesi, Project Consultancy, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics,

Turkey, 2016 - Continues

## Tasks In Event Organizations

Tanoren B., Türk Fizik Derneği 38. Uluslararası Fizik Kongresi, Scientific Congress, Turkey, Eylül 2022

Tanoren B., Türk Fizik Derneği 37. Uluslararası Fizik Kongresi, Scientific Congress, Muğla, Turkey, Eylül 2021

Tanoren B., Akkuş B., Turkish Physical Society 36 th International Physics Congress, Scientific Congress, Muğla, Turkey, Eylül 2020

## Scientific Research / Working Group Memberships

Adalab, Acibadem Mehmet Ali Aydınlar University, Turkey, <https://avesis.acibadem.edu.tr/arastirma-grubu/adalab>, 2024 - Continues

Bukem Lab, Acibadem Mehmet Ali Aydınlar University, Turkey, <https://www.bukemlab.com>, 2022 - Continues

Bumilab, Bogazici University, Turkey, <https://bumilab.boun.edu.tr>, 2016 - Continues

## Metrics

Publication: 52

Citation (WoS): 84

Citation (Scopus): 92

H-Index (WoS): 6

H-Index (Scopus): 5

## Congress and Symposium Activities

Türk Fizik Derneği 35. Uluslararası Kongresi, Invited Speaker, Muğla, Turkey, 2019

24. Ulusal Elektron Mikroskopisi Kongresi, Invited Speaker, Edirne, Turkey, 2019

## Invited Talks

Bir fizikçi ne yapar?, Seminar, İstek Vakfı Özel Kaşgarlı Mahmut Lisesi, Turkey, March 2024

Biraz fizik bilesek fena olmaz mı?, Seminar, Küçükyalı Mesleki Ve Teknik Anadolu Lisesi, Turkey, November 2023

Biraz fizik bilesek iyi olmaz mı?, Seminar, Şehit Binbaşı Bedir Karabıyık Çok Programlı Anadolu Lisesi, Turkey, November 2023

MEDİKAL GÖRÜNTÜLEME İLE NE MÜMKÜN?, Seminar, Yıldız Teknik Üniversitesi, Turkey, December 2022

Biraz fizik bilesek fena olmaz mı?, Seminar, Özel Işık Fen Lisesi, Turkey, September 2022

Medikal Fizikçi Ne Yapar?, Seminar, Notre Dame De Sion Lisesi, Turkey, May 2022

Fizik ve Spor, Seminar, İstanbul Üniversitesi, Turkey, May 2021

Taramalı Akustik Mikroskop ile Patolojik Diyagnoz, Seminar, 23. Sıvı Hal Sempozyumu , Turkey, December 2019

TARAMALI AKUSTİK MİKROSKOPLA PATOLOJİK DİYAGNOZ, Seminar, İstanbul Teknik Üniversitesi, Turkey, March 2019

## Scholarships

Research in Marie Curie Research Training Network, European Commission, 2010 - 2010

Polimer Nem Sensörü, TUBITAK, 2007 - 2008

## **Artworks**

Tanoren B., Türk Eğitim Gönüllüleri Vakfı Bale Resitali, Choreography, Original Performing Arts, June 2002

## **Artistic Activity**

Tanoren B., Boğaziçi Mezunlar Korosu Konseri, Other, May 2022

Tanoren B., Kalamış Sanat Merkezi Bale Resitali, Other, June 2003