



Assist. Prof. Dr. AHMET MURAT ŞENİŞİK

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Master's Degree	Istanbul University	Health Physics (Master's) (with Thesis)	2017 - 2020
Doctoral Degree	Ege University	Nuclear Applications (Phd)	2009 - 2014
Master's Degree	University of Nine September	Fizik (Master's) (tezli)	2000 - 2003
Bachelor's Degree	Ege University	Department of Physics	1996 - 2000

RESEARCH AREAS

Medical Physics, Nuclear Physics

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Doctor Faculty Member	Altinbas University	Department of Medical Services and Techniques	2020 -
Teaching Assistant	Altinbas University	Department of Medical Services and Techniques	2016 - 2020
Teaching Assistant	University of Healing	Department of Medical Services and Techniques	2014 - 2016

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Program Chair	Altinbas University	2023 -
Commission Membership	Altinbas University	2022 -
Commission Membership	Altinbas University	2019 - 2020
Commission Membership	Altinbas University	2017 - 2020

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Turkish Medical Physics Association	Member	2018 -

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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BOOKS

50 soruda Kanser ve Radyoterapi
ŞENİŞİK AHMET MURAT, TUNÇMAN DUYGU, MUTLU EDA
Altınbaş Üniversitesi Yayınları, 9786052065815, 2022

ARTICLES

ARTICLES

One step synthesis of tryptophan-isatin carbon nano dots and bio-applications as multifunctional nanoplatforms

TOK KEREM, BARLAS FIRAT BARIŞ, BAYIR ECE, ŞENİŞİK AHMET MURAT, ZİHNİOĞLU FİGEN, TİMUR SUNA

Colloids and Surfaces B: Biointerfaces, 2025

National DOI: 10.1016/j.colsurfb.2025.114533

Enhancing Radiotherapy Tolerance With Papaya Seed-Derived Nanoemulsions

SIDDIQUI Muhammad Tariq, ÖLÇEROĞLU BİLGE, GÜMÜŞ ZİNAR PINAR, ŞENİŞİK AHMET MURAT, BARLAS FIRAT BARIŞ

Food Science & Nutrition, 2025

National DOI: 10.1002/fsn3.70145

Innovative Fluorescent Polymers in Niosomal Carriers: A Novel Approach to Enhancing Cancer Therapy and Imaging

Tornacı Selay, ERGİNER HASKÖYLÜ MERVE, BULUT UMUT, Şeer Beste, Persilioğlu Elifsu, KALAYCILAR İSMAİL BERGUTAY, GÜLER ÇELİK EMİNE, YARDİBİ HASRET, SİYAH PINAR, KARAKURT OĞUZHAN, ÇIRPAN ALİ, GÖKALSIN BARIŞ, ŞENİŞİK AHMET MURAT, BARLAS FIRAT BARIŞ

Macromolecular Bioscience, 2024

International DOI: 10.1002/mabi.202400343

A Study on the Evaluation of Image-Guided Treatment Use in Radiotherapy Centers in Türkiye

ŞENİŞİK AHMET MURAT

Gazi University Journal of Science Part A: Engineering and Innovation, 2024

National DOI: 10.54287/gujisa.1442069

THE IMPORTANCE OF PRACTICAL EDUCATION AND INTERNSHIP IN RADIOTHERAPY TECHNICIAN EDUCATION

ŞENİŞİK AHMET MURAT

Sağlık Bilimleri Dergisi, 2024

National DOI: 10.34108/eujhs.1333597

Reassessment of Radiation Exposure From Bone Scintigraphy.

TANYILDIZI KÖKKÜLÜNK HANDAN, ŞENİŞİK AHMET MURAT, YÜKSEL MAHMUT

Current drug metabolism, 2023

International DOI: 10.2174/0113892002274982231211102127

A dosimetric comparison for SBRT plans of localized prostate cancer between Cyberknife and Varian Truebeam STX device

ŞENİŞİK AHMET MURAT, OKUTAN MURAT, ÇAKIR AYDIN, İRİBAŞ ÇELİK AYÇA, KAYTAN SAĞLAM ESRA, Çevikbaş Görkem, DEMİR BAYRAM

Applied Radiation and Isotopes, 2023

International DOI: 10.1016/j.apradiso.2022.110617

Re-Evaluation of Patient-Sourced Radiation Doses in PET/CT

ŞENİŞİK AHMET MURAT, TANYILDIZI KÖKKÜLÜNK HANDAN, YÜKSEL MAHMUT

Bentham Science Publishers Ltd., 2023

International DOI: 10.2174/1874471016666230102122554

Active matrix metalloproteinase-8 and interleukin-6 detect periodontal degeneration caused by radiotherapy of head and neck cancer: a pilot study

KESKİN MUTLU, Lähteenmäki Hanna, Rathnayake Nilminie, Räisänen Ismo T., Tervahartiala Taina, Pärnänen Pirjo, ŞENİŞİK AHMET MURAT, KARAÇETİN DİDEM, YENTEK BALKANAY AYBEN, Heikkilä Pia, Hagström Jaana, Rautavab Jaana, Haglund Caj, Gürsoy Ulvi Kahraman, Silbereisen Angelika, Bostancı Nagihan, Sorsa Timo

Expert Review Of Proteomics, 2021

International DOI: 10.1080/14789450.2020.1858056

Precautions Taken in Radiotherapy Clinics in Covid-19 Pandemic

ŞENİŞİK AHMET MURAT

Aurum Journal of Health Sciences, 2020

National

ARTICLES

Radyasyon Çalışanlarının Radyasyon Bilinci Anketi / Radiation Awareness Survey of Health Care Personnel in Radiation Environments

ŞENİŞİK AHMET MURAT, TUNÇMAN GENÇ DUYGU, MUTLU EDA

Online Türk Sağlık Bilimleri Dergisi, 2020

National DOI: 10.26453/otjhs.520471

Evaluation of New ^{99m}Tc(CO)₃ Radiolabeled Glycylglycine In Vivo

ŞENİŞİK AHMET MURAT, İÇHEDEF ÇİĞDEM, YURT KILÇAR AYFER, uçar eser, arı kadir, BİLGİN BEDRİYE ELVAN, TEKSÖZ SERAP

Anti-Cancer Agents in Medicinal Chemistry, 2019

International DOI: 10.2174/1871520619666190404154723

One-step conjugation of glycylglycine with [¹⁸F]FDG and a pilot PET imaging study

ŞENİŞİK AHMET MURAT, İÇHEDEF ÇİĞDEM, YURT KILÇAR AYFER, uçar eser, arı kadir, göksoy didem, parlak yasemin, BİLGİN BEDRİYE ELVAN, TEKSÖZ SERAP

Journal of Radioanalytical and Nuclear Chemistry, 2018

International DOI: 10.1007/s10967-018-5772-x

Poly p phenylene with Poly ethylene glycol Chains and Amino Groups as a Functional Platform for Controlled Drug Release and Radiotherapy

Güler Bahar, AKBULUT HÜSEYİN, Barlas Fırat Barış, GEYİK CANER, Demirkol Odacı Dilek, ŞENİŞİK AHMET MURAT, ARICAN HALİL ARMAĞAN, COŞKUNOL HAKAN, TİMUR SUNA, YAĞCI YUSUF

Macromolecular Bioscience, 2016

International DOI: 10.1002/mabi.201500384

Multimodal Theranostic Assemblings Double Encapsulation of Protoporphyrine IX Gd³⁺ in Niosomes

Barlas Fırat Barış, DEMİR BİLAL, GÜLER EMİNE, ŞENİŞİK AHMET MURAT, ARICAN HALİL ARMAĞAN, ÜNAK PERİHAN, TİMUR SUNA

RSC Adv., 2016

International DOI: 10.1039/C5RA26737D

Herbal infusions of black seed and wheat germ oil: Their chemical profiles, in vitro bio-investigations and effective formulations as Phyto-Nanoemulsions

Gumus Pınar, GÜLER EMİNE, DEMİR BİLAL, Barlas F Baris, YAVUZ MURAT, Colpankan Dilara, ŞENİŞİK AHMET MURAT, TEKSÖZ SERAP, ÜNAK PERİHAN, COŞKUNOL HAKAN, TİMUR SUNA

Colloids and Surfaces B: Biointerfaces, 2015

International DOI: 10.1016/j.colsurfb.2015.05.044

PROCEEDINGS

Radyoterapi Teknikerliği Eğitiminde Staj

ŞENİŞİK AHMET MURAT

1. Ulusal Sağlık Hizmetleri ve Bilimleri Kongresi, 2023

National

Investigation of radiation doses emitted by patients injected with ¹⁸F-FDG in PET/CT.

ŞENİŞİK AHMET MURAT, TANYILDIZI KÖKKÜLÜNK HANDAN, YÜKSEL MAHMUT

The Eleventh International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology Congress, 2023

National

A Preliminary Study About Image-Guided Therapy in Radiotherapy Centers

ŞENİŞİK AHMET MURAT

3. International Mediterranean Congress, 2023

National

PROCEEDINGS

Investigation of Radiation-Induced Change of Metalloproteinase-8 Enzyme in Saliva of Head and Neck Cancer Patients Treated by VMAT

ŞENİŞİK AHMET MURAT, KESKİN MUTLU, KARAÇETİN DİDEM, YENTEK BALKANAY AYBEN
2. nd INTERNATIONAL ISTANBUL CONGRESS, 2022

National

COVID-19 Pandemisinde Radyoterapi Kliniklerinde Alınan Önlemler

ŞENİŞİK AHMET MURAT

I. Uluslararası Sağlık Bilimlerinde Multidisipliner Çalışmalar Kongresi, 2020

International

Lokalize Prostat Kanseri Hastalarında VMAT ve Cyberknife Tedavi Planlarının Dozimetrik Karşılaştırılması

ŞENİŞİK AHMET MURAT, OKUTAN MURAT, ÇELİK AYÇA İRİBAŞ

17. Medikal Fizik Kongresi, 2019

National

Radyofarmasötiklerin Medikal Görüntülemelerde Kullanımı

ŞENİŞİK AHMET MURAT

Medikal Görüntülemelerde Güncel Teknikler Çalıştayı, 2019

National

Ege Bölgesinde Kemoterapi Alan Hastaların İstatistiksel Analizi

ŞENİŞİK AHMET MURAT, TANYILDIZI HANDAN, SUGECİTİ SERKAN, ZIVALI MERVE, ÖZEL AGİT FERHAT

5th International Symposium on Multidisciplinary Studies (ISMS), 2018

International

Tüm Vücut Tomografide Farklı Yaş Grupları için Kritik Organ Dozlarının Belirlenmesi: Monte Carlo Çalışması

ZIVALI MERVE, ÖZEL AGİT FERHAT, ŞENİŞİK AHMET MURAT, TANYILDIZI HANDAN, SUGECİTİ SERKAN

5th International Symposium on Multidisciplinary Studies (ISMS), 2018

International

Hayvan Deneylerinde Etik: Hayvan Etik Yasaları Çerçevesinde Deney Hayvanlarının Kullanımına Alternatif Yöntemler

ÖZEL AGİT FERHAT, ZIVALI MERVE, ŞENİŞİK AHMET MURAT, TANYILDIZI HANDAN, SUGECİTİ SERKAN, KILIÇ BÜŞRA

V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), 2018

National

DETERMINATION OF CRITICAL ORGAN DOSE FOR DIFFERENT AGE GROUPS IN WHOLE BODY COMPUTED TOMOGRAPHY: A MONTE CARLO STUDY

TANYILDIZI HANDAN, SUGECİTİ SERKAN, ŞENİŞİK AHMET MURAT, ZIVALI MERVE, ÖZEL AGİT FERHAT

V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), 2018

International

Assessment Of Radiation Awareness Of Health Personnel Working In Radiation Area"

ŞENİŞİK AHMET MURAT, TUNÇMAN GENÇ DUYGU, MUTLU EDA

Turkish Physical Society 34rd Physics Congress – TFD 34, 2018

International

Evaluation Of Radiation Awareness of Health Personnel Working in Radiation Environment

ŞENİŞİK AHMET MURAT, MUTLU EDA, TUNÇMAN GENÇ DUYGU

2. Uluslararası Katılımlı Radyasyondan Korunma Kongresi, 2017

International

Glisilglisin'in [18F]FDG ile Radyoışaretlenmesi ve In-vivo Görüntüleme Çalışması

ŞENİŞİK AHMET MURAT

XI. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, 2016

National

PROCEEDINGS

Comporison Of The Biological Behavior Of Radiolabeled [18F]FDG-Glycylglycine and 99mTC(CO)3-Glycylglycine

ŞENİŞİK AHMET MURAT,TEKSÖZ SERAP,İÇHEDEF ÇİĞDEM,YURT KILÇAR AYFER,uçar eser,arı kadir,parlak yasemin,BİLGİN BEDRİYE ELVAN

Fourth International Conference on Radiation and Aplications in Various Fields of Research, 2016

International

Synthesis and Properties of Radiolabeled Glycylglycine with 18F FDG

ŞENİŞİK AHMET MURAT,TEKSÖZ SERAP,İÇHEDEF ÇİĞDEM,YURT KILÇAR AYFER,Uçar Eser,Arı Kadir,Parlak Yasemin,BİLGİN BEDRİYE ELVAN

International Conference on Clinical PET-CT and Molecular Imaging (IPET 2015): PET-CT in the Era of Multimodality Imaging and Image-Guided Theraphy, IAEA, 2015

International

Multimodal Theranostic Assemblings Double Encapsulation of Protoporphyrine IX Gd3 in Niosomes

Barlas Fırat Barış,DEMİR BİLAL,GÜLER EMİNE,ÜNAK PERİHAN,ŞENİŞİK AHMET MURAT,ARICAN HALİL ARMAĞAN,TİMUR SUNA

Turkey Symposium Series: Catalysis and Sensing For Health, 2015

International

Synthesis and Properties Radiolabeled Glycylglycine With 99mTc CO 3 Core

ŞENİŞİK AHMET MURAT,TEKSÖZ SERAP,İÇHEDEF ÇİĞDEM,YURT KILÇAR AYFER,Ucar Eser,Arı Kadir,Parlak Yasemin,BİLGİN BEDRİYE ELVAN

Third International Conference on Radiation and Aplications in Various Fields of Research, 2015

International

Monoklonal Antikorlar İle Konjuge Edilmiş Manyetik Nanoparçacıkların 99mTc İle İşaretlenmesi

Demir İlknur,YURT KILÇAR AYFER,ŞENİŞİK AHMET MURAT,Durmuş Funda,Ada Gülcan Ünak,Kara Altan,Altıparmak Burcu,Yılmaz Tayfun,MEDİNE EMİN İLKER,BİBER MÜFTÜLER FAZİLET ZÜMRÜT

24. Ulusal Kimya Kongresi, 2010

National

IMRT Uygulamaları ve Doz Doğrulaması

ŞENİŞİK AHMET MURAT,Işın ersun,ARICAN HALİL ARMAĞAN,olacak ibrahim

7. Ulusal Radyasyon Onkolojisi Kongresi, 2006

National

National

National

PROJECTS

Papaya Tohumlarının Radyoterapötik Etkinliğinin Araştırılması (Executive)

Other (National), 16.05.2023 - 16.05.2024

National Completed

RADYASYON TEDAVİSİ UYGULANAN BAŞ- BOYUN KANSERLİ HASTALARIN RADYOTERAPİYE BAĞLI ORAL KOMPLİKASYONLARI İLE KLİNİK VE BİYOKİMYASAL PERİODONTAL PARAMETRELERİNİN KARŞILAŞTIRMALI ANALİZİ (Executive)

Scientific research project supported by Higher Education Institutions, 02.02.2020 - 10.06.2021

National Completed

PROJECTS

Çeşitli Nükleer Tıp Sintigrafilerinde Çevresel Radyasyon Dozlarının Değerlendirilmesi (Executive)

Scientific research project supported by Higher Education Institutions, 01.03.2022 - 10.04.2023

National Completed

THESIS SUPERVISION

Investigation Of Radiotherapeutic Effectiveness Of Papaya Carica Seeds

Muhammad Tariq Siddiqui

2024 Master's Degree

COURSES

Course Type	Course Code	Course Name
Associate Degree	RADY119	RADYOLOJİK GÖRÜNTÜLEME TEKNİKLERİ
Associate Degree	RADY116	RADYOTERAPİ UYGULAMALARI
Associate Degree	RADY235	RADYOTERAPİ TEKNİKLERİ
Associate Degree	RADY239	RADYOTERAPİ UYGULAMALARI II
Associate Degree	RADY238.1	RADYOTERAPİDE KALİTE
Associate Degree	RADY240	RADYASYON ONKOLOJİSİ
Associate Degree	TGT111	RADYOLOJİK GÖRÜNTÜLEME DEĞERLENDİRMESİ
Associate Degree	TGT105	TIBBİ FİZİK
Associate Degree	TGT121	SAĞLIK VE SİNEMA
Other	RADY101	KLİNİK SET-UP I

PERSONAL INFORMATION

CONTACT INFORMATION

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