Curriculum Vitae (CV)

Assoc. Prof. Dr. Huseyin Ozan TEKIN

1. Name and Surname : Huseyin Ozan Tekin
2. Date of Birth :
3. Title : Assoc. Prof. Dr.
4. Degree : Ph. D.
5. E-mail:

https://www.researchgate.net/profile/Huseyin_Ozan_Tekin

https://scholar.google.com.tr/citations?user=IygRDNQAAAAJ&hl=tr

https://www.scopus.com/authid/detail.uri?authorId=56971130700

https://www.mendeley.com/profiles/hseyin-ozan-tekin/

Education	Field	University	Year
BSc.	Physics	Suleyman Demirel University	**2009**
MSc.	Nuclear Physics	Suleyman Demirel University	**2011**
PhD.	Nuclear Physics	Suleyman Demirel University	**2014**

5. Academic Titles

5.1. Lecturer : 20/06/2009 - 05 / 01 / 2015 (SDU- sdu.edu.tr / IAU- aydin.edu.tr)- **Turkey**
5.2. Assist. Prof. Dr.: 05/01/2015 - 13 / 06 / 2018 (Uskudar University- uskudar.edu.tr) - **Turkey**
5.3. Assoc. Prof. Dr.: 13 /06/2018 - 19 / 01 / 2020 (Uskudar University- uskudar.edu.tr) - **Turkey**
5.4. Assoc. Prof. Dr.: 19 /01/2020 - ***Present*** **(**University of Sharjah-www.sharjah.ac.ae) - **UAE**

6. Administrative Experiences

6.1. University of Sharjah, United Arab Emirates – College of Health Sciences
Assistant Dean for Scientific and Graduate Studies (September 2021 – **Present**)

6.2. Uskudar University College of Health Services / Dean (January 2019- January 2020)

6.3. Uskudar University College of Health Services / Vice Dean (March 2015 – January 2019)

6.4. UskudarUniversity Medical Radiation Research and Application Center (USMERA) / Founder & Head. (April 2015-January 2020)

6.5. UskudarUniversity Medical Radiation Research and Application Center (USMERA) / Founder & Head (April 2015-January 2020)

6.6. Istanbul Aydin University - College of Health Services / Vice Dean
(May 2013- January 2015)

7. Awards & Recognitions

- **Prof. Dr. Şevket ERK Young Scientist Award** - "*Turkish Physical Society* (TFD)" - 2018
  Link: **http://www.tfd.com.tr/Urunlerimiz/30/Prof--Dr--Sevket-ERK-Genc-Bilim-Insani-Odulu.html**

- Announced as one of the **"Most influencer scientists"** by **Stanford University, USA** - "**Published**: 08-10-2020 | Version 2 | doi: 10.17632/btchxktzyw.2 Published by: Jeroen Baas, Kevin Boyack, John Ioannidis."
  Link: **https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/2**

- Announced as **Top 2%** scientist in standardized citation indicators. "***Published***: 19 October 2021 | Version 3 | DOI: 10.17632/btchxktzyw.3 Contributors: Jeroen Baas, Kevin Boyack, John P.A. Ioannidis". Link: **https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3**

- Announced as **Top 2%** scientist in standardized Career indicators. "***Published***: 19 October 2021 | Version 3 | DOI: 10.17632/btchxktzyw.3 Contributors: Jeroen Baas, Kevin Boyack, John P.A. Ioannidis". Link: **https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3**

8. Professional Titles

- International Society of Radiographers & Radiological Technologists **(ISRRT)**
  European Regional Director (2018-Present)
- Turkish Medical Radiotechnology Association (TMRT-DER) Chairman of Science and Education Council (2015-Present)
- T.R. Ministry of Health SKS Department Radiology. Trainer of Quality Standards
- Associate Member of World Radiology Technologists and Radiotechnologists Association

(International Society of Radiographers and Radiological Technologist - ISRRT)

- T.R. Ministry of Development Turkish Accelerator Center. Development Group Member
- Affidea Radiology - Radiation Protection. Counselor in Radiology Units
- Science Fund of the Republic of Serbia. Official Project Advisor and Peer Reviewer
  (**http://fondzanauku.gov.rs/**)

9. Scientific Interests

Computed Tomography (CT), Medical Physics, Monte Carlo Simulations, Radiation, Nuclear Physics, Medical Imaging, Radiological Protection, Nanomaterials, MCNP code, Medical Imaging Physics, Radiotherapy, Radiation Protection, Nano-Structure Materials, Digital Imaging

10. Education

1. Bachelor (BSc.)

Bachelor: Süleyman Demirel University (Physics) 2005-2009 / **TURKEY**

Bachelor: Siauliai University (Physics) (2007-2008) / **LITHUANIA**

2. Master (MSc.)

Master: Süleyman Demirel University (Physics) 2009-2011/ **TURKEY**

Master (Internship): Siauliai University June-September 2010 **LITHUANIA**

Master (Thesis Studies): Helmholtz Zentrum Dresden Rossendorf (HZDR)

Particle Accelerator Center- Dresden / **GERMANY**

Master Thesis Title: Determination and Design of the Parameters for The Bremsstrahlung Photon Beam Dump

3. Ph. D

Ph. D: Süleyman Demirel University (Physics) 2011-2014/ **TURKEY**

Thesis Title: Determining the Detector Parameters for the TARLA Bremsstrahlung Photon Facility

Thesis Studies: Helmholtz Zentrum Dresden Rossendorf (HZDR)Particle Accelerator Center Dresden **/ GERMANY**

Languages

1. Turkish (Native Language)
2. English (Advanced)
3. Lithuanian (Intermediate)
4. Russian (Entry Level)

Projects and Research Group Experiences

1. TurkishAccelerator Center (**DPT-YUUP** Project)

(THM) [http://thm.ankara.edu.tr]

Researcher -Member TARLA (Turkish Accelerator and Radiation Laboratuary at ANKARA)

Bremsstrahlung Technical Committee Member (2009 – Present)

2. TUBITAK – Learn the basic sciences, do not afraid of science
Project Manager (Assistant) 2012 Isparta / Turkey

3. Süleyman Demirel University
2012 Science Project Competition 2012 and Spring Festival
Project Manager, Project Name: Smart Glasses (4. Best Project – 1000 TL prize)

4. TUBITAK – Development and Fabrication of Concretes Doped Ultra Intense Mineral Alternative to Radiation Shielding (Goverment Project)
Role: Head of the Project (2018-Present)
Budget: **72,250 TL**
Project Name: Development and Fabrication of Concretes Doped Ultra Intense Mineral Alternative to Radiation Shielding (Goverment Project)

5. University of Sharjah - Research Group
Role: Group Member
2019- Present
Research Group name: Biomedical and Molecular Imaging. Sharjah / United Arab Emirates

6. University of Sharjah – Seed Project
Role: Project Leader (Main PI)
2020- Present
Budget: **40,000 AED**
Project Name: Monte Carlo simulations for development and material optimization of new generation shields for medical and industrial radiation facilities. Sharjah / United Arab Emirates

Professional Experience on Monte Carlo Codes and Computing Programs

1. MCNP (Los Alamos – USA) – A General Purpose Monte Carlo Code
2. MCNP-X (Los Alamos – USA) – A General Purpose Monte Carlo Code
3. GEANT4 (Particle Simulation Code-CERN) – A General Purpose Monte Carlo Code
4. EGSnrc (Particle Simulation Code – NR Canada) – A General Purpose Monte Carlo Code
5. WinXray – A simulation toolkit for X Rays – A General Purpose Monte Carlo Code
6. MCXray Lite x64 – A Simulation Toolkit for X-Rays – A General Purpose Monte Carlo Code
7. 3ds MAX (3D Design Program) – Design and Simulation
8. Linux-Based Operating Systems - OS
9. MS Office Programs

International Scientific participations as Invited Speaker / Invited Lecturer

1. Turkish Accelerator Center Project

Invited Speaker: Hüseyin Ozan TEKIN

Fotonas Physics Summer School 1-15, August,2010 Siauliai/ **LITHUANIA**

2. Particle Accelerators and Detectors Summer School

Turkish Physical Society -Ağustos 2009 Bodrum / **TURKEY**

Invited Speaker: Hüseyin Ozan TEKIN

3. Mini Workshop on Electron-Electron Bremsstrahlung

HZDR (Helmholtz Zentrum Dresden Rossendorf)

Invited Speaker: Hüseyin Ozan TEKIN January 16-20, 2011, Dresden/ **GERMANY**

4. Turkish Accelerator Center – International Machine Adviser Committee Meeting

Invited Speaker: Hüseyin Ozan TEKIN August 2010 Bodrum / **TURKEY**

6. Justification and Authorization of planned Medical Exposures. The radiographer's/RT's involvement and contribution. A project aiming to develop a module through collaboration between ISRRT and Radiography Schools for student radiographers/RTs on how to fulfill their role on the Justification and Authorization of planned medical exposures on the principle of the radiation protection of the patient. **ISRRT**.

Stakeholder: Assoc. Prof. Dr. Huseyin Ozan TEKIN (2016- …)

7. Application Aspects of Monte Carlo Simulation in Radiotheray and Radiology

Invited Lecturer: Between 13-17 March 2017 (Totally 8 Hours Lecture by Erasmus+ Staff Mobility)

Medical Physics Department for MSc and PhD. Students.

Kaunas University of Technology (KTU) - **LITHUANIA**

8. Certificate on Radiation Dose Management in Computed Tomography

International Atomic Energy Agency – Certificate 15 April 2017

Lecturer: Assoc. Prof. Dr. Huseyin Ozan TEKIN

9. 36th International Physics Congress (TPS-36) – Turkish Physical Society (TPS)

1-5 September 2020, Bodrum Mugla, **TURKEY**

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

http://tfd36.org/Urunlerimiz/35/Invited-Speakers.html?Lang=EN

10. First Regional Virtual Symposium on Physics Advances 2020 – University of Bahrain 28-29 June 2020, **BAHRAIN**.

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

An overview to Monte Carlo simulations for radiation transport and nuclear shielding studies in nuclear and medical physics: MCNPX experience

11. PHCSS Radiology Unit Breast Cancer Awareness Webinar -2020. 17-24 October 2020.

Radiology Unit Primary Health Care Services Sector, Dubai Health Authority, Dubai, **UAE**

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

Importance of radiation shielding in mammography: recent studies and promising approaches.

12. University of Sharjah, World Radiography Day Organization -2020. 21 November 2020.

University of Sharjah, Sharjah, **UAE**

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

A journey from traditional to advanced diagnostic radiology: BIG DATA.

13. Istanbul University, 11th Physics Workshop. 25-26 February 2021.

Istanbul University, Istanbul, **TURKEY**

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

Computer Based Physics Research and Simulation Methods: Experiences on Nuclear Radiation Attenuation.

14. Shirish Madhukarrao Chaudhari College, Jalgaon 9th February 2021

One Day International Seminar on the occasion of Research Lab Inauguration Ceramony.

Jalgaon, **INDIA**

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

Monte Carlo Simulations in Radiation and Medical Studies: MCNP Experience

15. Izmir University of Economics, 19th November 2020. Izmir, **TURKEY**

Current Status of Medical Imaging Techniques Programs and International Perspective

Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

16. 5th International Conference on Advances in Natural and Applied Sciences 21-23 September 2021, Ağrı, **TURKEY**.
Principles of Monte Carlo simulations for radiation transport and nuclear shielding studies in nuclear and medical physics: MCNPX experience.
https://icanas.agri.edu.tr/detail.aspx?id=0&bid=2&tid=19&dil=en-US
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

17. World Congress on Applied Nanotechnology (W-CAN). Atatürk University, Nanoscience and Nanoengineering Application and Research Center between 24-26 November 2021, Erzurum, **TURKEY**. https://w-can.atauni.edu.tr/plenary-speakers/
Using of Monte Carlo simulations for designing of nanoparticle added shielding materials: A closer look on nano-WO3 and nano-Bi2O3 reinforced shielding concretes
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

18. Connect_College of Science Seminar Series. University of Sharjah, November 21, 2021. University of Sharjah, **UNITED ARAB EMIRATES**.
Radiation Shielding Studies in nanoscale: MCNP Monte Carlo Simulations.
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKIN

International Research Activities

1. Various Hydrogen Experiment and Studies
Siauliai University – **LITHUANIA**
Supervisor: Assoc. Prof. Dr. Alfredas LANKAUSKAS (Dean of Natural Sciences)

2. Various Research on LINAC Accelerators
HZDR (Helmholtz Zentrum Dresden Rossendorf)
Dresden- **GERMANY**
Supervisor: Dr. Andreas WAGNER (Head of Nuclear Division)

Referee and Editorial Board Membership in International Indexed Journals

1. Journal of Communication and Computer (JCC / ISSN: 1548-7709)

2. International Journal of Nuclear and Radiation Science and Technology (IJNURASAT)

3. The Online Journal of Science and Technology (TOJSAT)

4. Iranian Journal of Medical Physics (IJMP) (Member of Refree Committee) From:2016-Present) http://ijmp.mums.ac.ir/reviewer?_action=info

5. Progress in Nuclear Energy – Elsevier (2016-Present)

6. Nuclear Science and Techniques – Springer (2016- Present)

7. Radiochemica ACTA – De Gruyter (2018-Present)

8. Nuclear Engineering and Technology – Elsevier (2017-Present)

9. The Journal of Neurobehavioral Sciences (*J Neuro Behav Sci*) – **Co-Editor** (2019- Present) https://www.jnbs.org/page/editorial-board

10. Ceramics – MDPI - Special Issue "Nuclear Radiation Shielding Glasses and Glass-Ceramics." Guest Editor -Huseyin Ozan Tekin (2020) https://www.mdpi.com/journal/ceramics/special_issues/glasses_glass_ceramics

Membership of Institutions

1. Turkish Linux Users Association (LKD) ***www.lkd.org.tr***

2. Turkish Medical RadiotechologyAssociation (TMRT-DER) Member of Scientific Advisory Committee (2016-Present) ***www.tmrtder.org.tr***

3. International Society of Radiographers and Radiological Technologists.
Associated Member (2016-Present) ***www.isrrt.org***

4. European Society of Radiology (ESR) ***https://www.myesr.org/***

Taking Part in Scientific Activities Such as Congress, Symposium and Workshops

1. 11th National Radiotechnology Conress and Training Seminars 23-26 April 2015 WOW Topkapi Palace Hotel - Kundu / Antalya-TURKEY *(Scientific Committee Member)*

2. Monte Carlo Applications of Nuclear and Particle Physics Summer School, 10-12 May 2013, Bitlis Eren University, Bitlis-TURKEY *(Organising Committee Member)*

3. International Symposium on Optical and Eye Health 12-13-14 October 2012, Süleyman Demirel University, Senirkent MYO, Isparta-TURKEY *(Organising Committee Member)*

4. Computational Methods in Medical Physics Summer School (MEFHEY2013) 24-28 June 2013, Istanbul Aydin University, Istanbul – TURKEY *(Organising Committee Member)*

5. LUMIDOZ7 – Luminescent Dosimetry Congress 10-12 September 2013 – Isparta TURKEY *(Organising Committee Member)*

6. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2014) 25-29 October 2014. Kemer-Antalya TURKEY *(Organising Committee Member)*

7. Medical Imaging and Radiation Safety Symposium. 13 April 2014 Istanbul Aydin University, Florya Campus - Istanbul/ TURKEY *(Organising Committee Member)*

8. Medical imaging and Radiotherapy Days Event. 7 April 2015. Uskudar University. SHMYO Çarşi CampusUskudar Istanbul/ TURKEY *(Chairman of the Organising Committee)*

9. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2015) 14-19 October 2015. Kemer-Antalya TURKEY *(Organising Committee Member)*

10. Medical imaging and Radiotherapy Days Event. Medical Radiation - 7 April 2015. Uskudar University SHMYO Çarşi Campus Uskudar Istanbul / TURKEY *(Chairman of the Organising Committee – Trainer)*

11. Monte Carlo Simulation Methods in Medical and Nuclear Applications (MENUS-MC) 1st Level Training. UskudarUniversity / ÜSMERA 5-6 September 2015. Uskudar / iSTANBUL *(Chairman of the Organising Committee – Educator)*

12. International Science and Technology Conference "ISTEC". 13-15 July 2016. Vienna / AUSTRIA *(Member of Editorial Board)*

13. Radiation Protection in Diagnostic Radiology and QA/QC TARAD 2015 (19- 20 December 2015) *Chairman of the Organising Committee)*

14. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 19-24 October 2016. Kemer-Antalya TURKEY *(Organising Committee Member)*

15. Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016) 23-24 April 2016. Uskudar University Çarşi Campus. Uskudar / Istanbul TURKEY *(Chairman of the Organising Committee)*

16. 12th Radiotechnology Congress and Training Seminars with InternationalParticipation of TMRTDER (Turkish Assocation of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. April 27-30 2017 (2017.tmrtder.org.tr/en/) *(Member of Scientific Committee)*

17. 12th Radiotechnology Congress and Training Seminars with InternationalParticipation of TMRT-DER (Turkish Assocation of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. April 27-30 2017 (2017.tmrtder.org.tr/en/)*(Chair of Scientific Publication Committee)*

18. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 4-8 October 2017. Side-Antalya TURKEY (*Organising Committee Member*)

19. 13th Radiotechnology Congress and Training Seminars with InternationalParticipation of TMRT-DER (Turkish Assocation of Medical Radiotechnology. Kaya Artemis Hotel – Cyprus / Turkey. April 23-26 2018 (2018.tmrtder.org.tr) *(Chair of Scientific Publication Committee)*

20. 14th Radiotechnology Congress and Training Seminars with International Participation of TMRT-DER (Turkish Assocation of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. 21-24 April 2019. Antalya / Turkey *(Chair of Scientific Publication Committee)*

21. Basics of Monte Carlo Method and Nuclear Applications. Istanbul University. Faculity of Science. Department of Physics. 1 st of November 2018. Istanbul / Turkey.

Participation as invited speaker or panelist in conference, seminar, open interview session

1. Geant4 Physics Simulation Software. Free Software and Linux Days, 2013, 5-6 April2013, Istanbul BilgiUniversity Santral Campus Istanbul TURKEY

2. Geant4 Simulation Programs and Applications. Computational Methods in Medical Physics Summer School (MEFHEY2013) 24-28 June 2013, Istanbul Aydin University, Istanbul – TURKEY

3. The term of Ethic – Istanbul SILMO Education Fair. 26-29 December 2013. CNR Expo CenterIstanbul / TURKEY

4. Effects of Radiation on Human Body and Protection Ways – Büyükçekmece Municipality World Health Day Activities. 12 April 2015. Büyükçekmece Belediyesi Atatürk Kültür Merkezi Suna Pekuysal Salonu. Istanbul / TURKEY

5. Principles of Monte Carlo Simulation– Introduction to MCNP Code, Monte Carlo Simulation Techniques in Medical and Nuclear Applications (MENUS-MC). 1st Level Training. UskudarUniversity / ÜSMERA 5-6 September 2015. Uskudar / ISTANBUL / TURKEY

6. Nuclear Structure and Basic Interactions - Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016) 23-24 April 2016. UskudarUniversity Çarşi Campus. Uskudar / TURKEY

7. Term of Medical Radiation and Sources – 4 th Bioengineering and Genetics Days. T.C. uskudar University 6 th of May 2016. Istanbul TURKEY

8. Radiation Safety and Quality Standarts. Turkish Republic, Ministry of Health, 1st Health Quality Audit Education Program. Trainer: Assist. Prof.Dr. Huseyin Ozan Tekin. 10-15 October 2016, Hilton Inn Hotel. Ankara / TURKEY

9. Turkish Society of Medical Radiotechnology / Aims and Scope.
Speaker on Behalf of Society: Assist. Prof. Dr. Huseyin Ozan TEKIN 16 October 2016 Seoul / SOUTH KOREA

10. Radiation Safety and Quality Standarts. Turkish Republic, Ministry of Health, 2nd Health Quality Audit Education Program. Trainer: Assist. Prof.Dr. Huseyin Ozan Tekin. 13 December 2016, Arkas Hotel. Antalya / TURKEY

11. Medical Radiation and Basis of Radiation Protection – 7 th Bioengineering and Genetics Days. T.C. Uskudar University 3th of May 2019. Istanbul TURKEY

SCIENTIFIC PUBLICATIONS

Scientific Books

1. Basic Principles and Techniques of Magnetic Resonance Imaging (MRI)
Editors : **Dr. Huseyin Ozan Tekin** & Murat Dündar
Authors: **Dr. Huseyin Ozan Tekin**, Öğr. Gör. Murat Dündar, Barış Cavlı, Ali Salar, Dr. Mustafa Cantay Gök
Published: September – **2017** Publisher: Kongre Kitabevi

2. X-Ray Imaging Techniques: All Methods / Basic Proinciples / Advanced Applications
Editor: **Dr. Huseyin Ozan Tekin**
Section Editors: Murat Dundar, Ali Salar, Baris Cavli, Ceren Ozturk
Published: September – **2018** Publisher: Kongre Kitabevi

3. Smart Nanoconcretes and Cement-Based Materials – ELSEVIER. Copyright © **2020** Elsevier Inc. All rights reserved. Publisher: Matthew Deans Acquisition Editor: Simon Holt. Paperback ISBN: 9780128178546. **Chapter 19**: Radiation protection characteristics of nano-concretes against photon and neutron beams. Asghar Mesbahi, Elham Mansouri, Amir Ghasemi Jangjoo and **Huseyin Ozan Tekin**

A- Publications in SCI – SCIexp Indexed SCOPUS Journals

A.1. I.Akkurt, K. Günoğlu, **H.O. Tekin**, Z.N. Demirci, G. Yegin, N. Demir. Estimation of Bremsstrahlung photon fulence from Aluminum by ANN. ***Iranian J. of Rad. Res*** – 2011 10 (1) pp. 63-65.

A.2. I.Akkurt, **H.O. Tekin**, A. Mesbahi. Calculation of Detection Efficiency for the Gamma Detector using MCNPX. ***Acta Physica Polonica A*** (2015) Vol:128 – No:2B. pp 332-334 doi: 10.12693/APhysPolA.128.B-332

A.3. U. Kara, **H.O. Tekin**, A. Calik, I. Akkurt. Performance of Boron-Carbide as Radiation Shielding. ***Acta Physica Polonica A*** (2015) Vol:128 – No:2B. pp 335-336. doi: 10.12693/APhysPolA.128.B-335

A.4. U. Kara, **H.O. Tekin**, I. Akkurt. Radiation Protection in PET Room. ***Acta Physica Polonica A*** (2015) Vol:128 – No:2B. pp 375-377. doi:10.12693/APhysPolA.128.B-375

A.5. H.O. Tekin. MCNP-X Monte Carlo Code Application for Mass Attenuation Coefficients of Concrete at Different Energies by Modeling 3×3 inch NaI(Tl) Detector and Comparison with XCOM and Monte Carlo Data. ***Science and Technology of Nuclear Installations*** Volume 2016, Article ID 6547318, 7 pages. http://dx.doi.org/10.1155/2016/6547318

A.6. K. Yilacioglu, **H.O. Tekin**, S. Cetiner. Nitrogen Source, an Important Determinant of Fatty Acid Accumulation and Profile in Scenedesmus obliquus. ***Acta Physica Polonica A***. Vol 129 (2016) No.1. doi:10.12693/APhysPolA.129.428

A.7. U. Kara, **H.O. Tekin**, I. Akkurt. Computed Tomography Routine Examinations and Related Risk of Cancer. ***Acta Physica Polonica A***. Vol 129 (2016) No.1. doi:10.12693/APhysPolA.129.409

A.8. H.O. Tekin, V.P. Singh, T. Manici. Effects of micro-sized and nano-sized WO_3 on mass attenuation coefficients of concrete by using MCNPX code. ***Applied Radiation and Isotopes***. Vol 121 (2017) pp. 122-125. http://dx.doi.org/10.1016/j.apradiso.2016.12.040

A.9. H.O. Tekin, T. Manici. Simulations of mass attenuation coefficients for shielding materials using the MCNP-X code. ***Nuclear Science and Techniques***. NUCL SCI TECH (2017) 28:95. doi:10.1007/s41365-017-0253-4

A.10. A. Mesbahi, N. Rasouli, M. Mohammedzadeh, B. Nasiri Motlagh, **H.O. Tekin**. Comparison of radiobiological models for radiation therapy plans of prostate cancer: three dimensional conformal versus intensity modulated radiation therapy. ***Journal of Biomedical Physics&Engineering***. https://doi.org/10.22086/jbpe.v0i0.655

A.11. G. Lakshminarayana, S.O. Baki, Kawa M. Kaky, M.I. Sayyed, **H.O. Tekin**, A. Lira, I.V. Kityk, M.A. Mahdi. Investigation of structural, thermal properties and shielding parameters for multicomponent borate glasses for gamma and neutron radiation shielding applications. ***Journal of Non-Crystalline Solids*** (2017). http://dx.doi.org/10.1016/j.jnoncrysol.2017.06.001

A.12. M.G. Dong, E El-Mallawany, M.I. Sayyed, **H.O. Tekin**. Shielding properties of 80TeO2–5TiO2–(15−x) WO3–xAnOm glasses using WinXCom and MCNP5 code. ***Radiation Physics and Chemistry*** 141 (2017) 172–178. http://dx.doi.org/10.1016/j.radphyschem.2017.07.006

A.13. M.I. Sayyed, M.Y. Al-Zaatreh, M.G. Dong, M.H.M. Zaid, K.A. Matori, **H.O. Tekin**. A comprehensive study of the energy absorption and exposure buildup factors of different bricks for gamma-rays shielding. ***Results in Physics*** 7 (2017) 2528-2533. https://doi.org/10.1016/j.rinp.2017.07.028

A.14. H. O. Tekin, M. I. Sayyed, E. E. Altunsoy, T. Manici. Shielding Properties and Effects of WO3 and PbO on Mass Attenuation Coefficients by using MCNPX Code. ***Digest Journal of nanomaterials and Biostructures***. Vol. 12 No.3 July-September 2017. pp 861-867.

A.15. H.O. Tekin, U. Kara, T. Manici, E.E. Altunsoy, T.T. Erguzel. A Prediction Study on Bremsstrahlung Photon Flux of Tungsten as a Radiological Anode Material by using MCNPX and ANN Modeling. ***Acta Physica Polonica A***. Vol. 132 (2017) No:3. doi: 10.12693/APhysPolA.132.433

A.16. H.O. Tekin, E.E. Altunsoy, T. Manici, B. Yilmaz. Quantitative Characteristic X-Ray Analysis for Different Compound Samples by Using Monte Carlo Method. ***Acta Physica Polonica A***. Vol. 132 (2017) No:3. doi:10.12693/APhysPolA.132.439

A.17. H.O. Tekin, T. Manici, E.E. Altunsoy, K. Yilacioglu, B. Yilmaz. An Artificial Neural Network-Based Estimation of Bremsstarahlung Photon Flux Calculated by MCNPX. ***Acta Physica Polonica A***. Vol. 132 (2017) No:3-II. doi:10.12693/APhysPolA.132.967

A.18. U. Kara, A. Kaya, **H.O. Tekin**, I. Akkurt. Adult Patient Radiation Doses with Multislice Computed Tomography Exam: MSCT Standard Protocols. ***Acta Physica Polonica A***. Vol. 132 (2017) No:3-II. doi:10.12693/APhysPolA.132.1126

A.19. T.T. Erguzel, **H.O. Tekin**, T. Manici, E.E. Altunsoy, N. Tarhan. Comparison of Multiple Linear Regression Analysis and Artificial Neural Network Approaches in the Estimation of Monte Carlo Mean Glandular Dose Calculations of Mammography. ***Digest Journal of nanomaterials and Biostructures***. Vol. 13 No.1 January-March 2018.

A.20. H.O. Tekin, M. I. Sayyed, Tugba Manici, Elif Ebru Altunsoy. Photon shielding characterizations of bismuth modified borate-silicate-tellurite glasses using MCNPX Monte Carlo code. ***Materials Chemistry and Physics***. (2018). https://doi.org/10.1016/j.matchemphys.2018.02.009

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C62. B. Guclu, E.E. Altunsoy, T. Manici, **H.O. Tekin**. Investigation of humeral locking plate system effect on absorbed dose in breast tissue with different radiological energies by using MCNPX. CARS 2018 Computer Assisted Radiology and Surgery. Berlin, Germany, June 20 - 23, 2018

C63. T. Manici, **H.O. Tekin**, İ. Akkurt, K. Gunoglu. Investigation of influencingfactors on absorbeddose in thebreastusing MCNPX Monte Carlo Code. 13th Radiotechnology Congress and Training Seminars with International Participation of TMRT-Der (Turkish Association of Medical Radiotechnology). 23-26 April 2018. Kaya Artemis Hotel – CYPRUS.

C64. E.E. Altunsoy, **H.O. Tekin**, K. Gunoglu, I. Akkurt. Mass Attenuation Coefficients of Some Human Organs in Radiological Energy Ranges using MCNPX Monte Carlo Code. 13th Radiotechnology Congress and Training Seminars with İnternational Participation of TMRT-Der (Turkish Association of Medical Radiotechnology). 23-26 April 2018. Kaya Artemis Hotel – CYPRUS.

C65. H.O. Tekin, E.E. Altunsoy, F.C. Ozturk, M.I. Sayyed. A Comparative Study on Attenuation Properties of Some Composite Shielding Materials using MCNPX Code. Turkish Physical Society 34th International Physics Congress. September 05 – 09, 2018. Bodrum, Mugla – TURKEY.

C66. H.O. Tekin, E.E. Altunsoy, F.C. Ozturk, M.I. Sayyed. Gamma-Ray Attenuation Properties of Boron Carbide in Radiological Energy Range using MCNPX Code. Turkish Physical Society 34th International Physics Congress. September 05 – 09, 2018. Bodrum, Mugla – TURKEY.

C67. B. Cavli, **H.O. Tekin**, R.B. Pekar, S. Simsek, K. Katsari, A. Papachristodoulou, C. Parakevopoulou. Continuous education on radiation protection in PET/CT departments could lead to reduction of personnel radiation exposure. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C68. H.M. Karakas, B. Cavli, **H.O. Tekin**, R.B. Pekar, C. Ozturk, L. Demirci, Y. Bukte, K. Katsari. Computed tomography dose reference levels (DRLs) at various levels of hospitals in Istanbul: Secondary public, tertiary public, pediatric tertiary public, and university hospitals' experiences. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C69. H.M. Karakas, K. Katsari, R.B. Pekar, L. Demirci, C. Ozturk, F.E. Bahadir Ulger, A.N. Kahraman, **H.O. Tekin**, B. Cavli. How to become a high-performance dose excellence center: Current concepts and applications of modern dose management system in SBU Fatih Sultan Mehmet Training and Research Hospital. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C70. H.M. Karakas, B. Cavli, **H.O. Tekin**, R.B. Pekar, C. Ozturk, L. Demirci, U. Ozdamarlar, K. Katsari. Implementation of dose management system and evaluation of initial dose reference levels (DRLs) in a newly etablished Hospital: SBU Sehit Prof. Dr. İlhanVarank Sancaktepe Training and Research Hospital. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, **AUSTRIA.**

C70. Yusuf Cenk İltuş, Lidya Amon Susam, **H.O. Tekin**, Baki Akkuş, Gülfem Susoy Doğan, Fatma Çağla Öztürk. The Effect of MgO Change with Zno on Photon Transmıssıon Factor Usıng MCNP4C in B_2O_3 Glass-Ceramıc Systems. Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C71. Hasipcan Aydın, Gülfem Süsoy Doğan, **H.O. Tekin**, Examination of Effective Atomic Number Change in S53P4 Bioactive Glass Systems Doped With Boron Oxide (B_2O_3), Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C72. Yusuf Cenk Iltuş, Lidya Amon Susam, **H.O. Tekin**, Baki Akkuş, Gülfem Susoy Doğan, Fatma Çağla Öztürk, Investıgation of The Effect of Changing MgO-ZnO ratio In B_2O_3 Glass-Ceramic Systems on Zeff Value, Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C73. Hasipcan Aydın, Gülfem Süsoy Doğan, **H.O. Tekin**, The Calculation of the transmission Factor the S53P4 Bioactive Glass Systems, with the addition of Boron Oxide (B2O3) by using the MCNP-4C Code, Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C74. A. Erol, G. S. Dogan, **H.O. Tekin**. Monte Carlo Prediction in Nuclear Physics, Turkish Physical Society 35th International Physics Congress, September 4-8, 2019, Bodrum- **TURKEY**

C75. H.O. Tekin, M.M. Abuzaid, W. Elshami, Bashar Issa. Glass materials and their utilization for radiation shielding applications. First Regional Virtual Symposium on Physics Advances 2020 – University of Bahrain. 28-29 June 2020, **BAHRAIN**.

D - Summary Texts Papers Published in National Congresses and Symposiums

D1. Hüseyin Ozan TEKİN, I. Akkurt, N. Demir. EGSnrc simulations for Bremsstahlung Photons. VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D2. N. Demir, I. Akkurt **Hüseyin Ozan TEKİN**. Radiator Design works for Bremsstahlung facility at TAC VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D3. I.Akkurt, N. Demir, **Hüseyin Ozan TEKİN**. Main equipments and the overall assessment of Bremsstahlung Facility. VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D4. G. Yegin, I. Akkurt, M. Doğru, N. Demir, S. Şahin, **H.O. Tekin**, Z.N. Demirci. Simulation studies on Bremsstahlung Photon Beam. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D5. I. Akkurt, G. Yegin, M. Doğru, N. Demir, S. Şahin, **H.O. Tekin**, Z.N. Demirci. Bremsstahlung facility at TAC: Main equipments. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D6. N. Demir, I. Akkurt, G. Yegin, ,M. Dogru, S. Sahin, **H.O. Tekin**, Z.N. Demirci. Design studies of Collimator for TARLA Bremsstahlung facility. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University ANKARA

D7. H.O. Tekin, I. Akkurt, G. Yegin, M. Dogru, N. Demir S. Şahin, Z.N. Demirci. Photon Beam Dump design studies for Bremsstahlung Facility at TARLA. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D8. S. Şahin I. Akkurt, G. Yegin, M. Dogru, N. Demir, **H.O. Tekin**, Z.N. Demirci. Photon Beam Dump design studies for Bremsstahlung Facility at TARLA. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D9. H. O. Tekin. Final Design of Bremsstrahlung Photon Beam Dump. X.Workshop of Turkish Accelerator Center Project 9-11 December 2011, ANKARA University, ANKARA

D10. H. O. Tekin. TARLA Determination of Detector Parameters for Bremsstrahlung Test Area. XI. Workshop of Turkish Accelerator Center Project 30 November-2 December 2012, Ankara University, ANKARA

E-Full Text Papers Published in National Congresses and Symposiums

E1. H. Durmuş, **H.O. Tekin**, U. Kara. An Overview Of Mgb_2 Superconductors For MRI Applications" 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May2014, Kemer-Antalya, TURKEY

E2. H.O. Tekin, U. Kara, H. Durmuş, I. Akkurt. Monte Carlo Simulation and Application Areas for Detector Design in Medical imaging area. 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May 2014, Kemer-Antalya, TURKEY

E3. U. Kara, **H.O. Tekin**, H. Durmuş, I. Akkurt. Current Problems of Medical Imaging Program and Solution Proposals. 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May 2014, Kemer-Antalya, TURKEY

E4. Hüseyin Ozan Tekin et., al. Prediction of Photon Flux By using Artificial Neural Networks (Artifical Neural Networks). May-2011 IATS'2011 Elazig/Turkey

E5. Hüseyin Ozan Tekin et al., Bremsstrahlung Photon Production with Tantalum (Ta) Targetfor Different Thicknesses. 4 rd InternationalConferance Radiation interaction with Material and its use in Technologies, 2012, May 14-17, Kaunas-LITHUANIA

E6. Hüseyin Ozan Tekin et al., A Photon Beam Dump Design for Turkish Accelerator Center Project Bremss. Facility atTARLA.4 rd İnternationalConferance Radiation interaction with Material and its Use inTechnologies, 2012, May 14-17, Kaunas-LITHUANIA

E7. Huseyin Ozan Tekin et al., A Study on Radiation in Operating Room in Süleyman Demirel Universiy. 4 rd İnternational Conferance Radiation interaction with Material and its Use in Technologies, 2012, May 14-17, Kaunas-LITHUANIA

E8. H.O. Tekin, U. Kara, A. Mesbahi. An Overview of Monte Carlo (MC) Simulation Method and Basic Principles in Medical Radiation and Radiation detectors. International Science and Technology Conference (ISTEC2015). September 2-4, 2015 St. Petersburg /RUSSIA

E9. H.O. Tekin, I. Akkurt. Position Optimisation of Ge Detectors in Nuclear Resonance Fluorescence (NRF) Experiment by Using Monte Carlo Method. İnternational Science and Technology Conference (ISTEC2015), September 2-4, 2015 St. Petersburg /RUSSIA

E10. U. Kara, **H.O. Tekin**, I. Akkurt, A. Tongal. Monte Carlo Simulation Methods in Medical İmaging. İnternational Science and Technology Conference (ISTEC2015), September 2-4, 2015 St. Petersburg /RUSSIA

|**E11.** U. Kara, **H.O. Tekin**, A. Tongal. Education in Medical Imaging Industry and Solution Proposals for Main Problems. International Science and Technology Conference (ISTEC2015), September 2-4, 2015, St. Petersburg /RUSSIA

E12. Huseyin Ozan Tekin, Umit Kara, Ozlem Ozturk, Tugba Manici, Elif Ebru Altunsoy, Baris Cavli· Comparison Study Of Clinical Measurements And Monte Carlo Method On Radiation Dose Rate Changes By Distance in Computerized Tomography (Ct) Facility. Fourth International Conference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculity of Electronic Engineering. Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.32 ISSN 2466-4626 (Online)

E13. Huseyin Ozan Tekin, Umit Kara. Analyse of Filtering Material and Effect on X-Ray Features by using Monte Carlo Method For Medical Imaging Applications. Fourth İnternational Conference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculity of Electronic Engineering, Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.31 ISSN 2466-4626 (Online)

E14. Umit Kara, **Huseyin Ozan Tekin**. Estimated Radiation Risks, Clinical Factors And Patient Dose in Mammography. Fourth İnternationalConference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculity of Electronic Engineering, Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.46 ISSN 2466-4626 (Online)

F-International and National Media Attends (TV Programs)

F1. ÜLKE TV -Hayat Tercihtir (23.06.2013) - Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN (https://www.youtube.com/watch?v=bs9b9_8qPtQ)

F2. ÜLKE TV -Hayat Tercihtir (11.07.2016)- Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN

F3. Üskudar TV – Uskudar'a Gelirken (12.07.2016)- Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN https://www.youtube.com/watch?v=Rk7CirJ8nHk&feature=youtu.be

F4. ÜLKE TV -Hayat Tercihtir (05.08.2018) Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKİN https://www.youtube.com/watch?v=xs6EKTM8aXU

F5. ULKE TV – Artifical Network and Simulation Applications in Health - Bilimden Sagliga (14.09.2019) Speaker **Assoc. Prof. Dr. Huseyin Ozan TEKİN** / Assoc. Prof. Dr. Turker Tekin Erguzel. https://www.youtube.com/watch?v=ZUoM3QCt2Nc&t=379s

G-Academic Experience

G1. Lecturer – Süleyman Demirel University (June 2009- January 2013) (TOTAL:4 YEARS)
Lectures – Math, Physicsi-ii, Geometric Optic and Optic, Basic Computer Programming, Material information

2. Researcher – Helmholtz Zentrum Dresden Rossendorf (HZDR) Year:2009
Attended: Various Particle Accelerator Experiments and Monte Carlo Workshops on GEANT4 code.

G3. Lecturer – İAU Vocational School of Health Services (February 2013 – 2015)(TOTAL:2 YEARS) Given Lectures: Medical İmaging Methods, Medical İmaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, İntroduction to Radiotherapy

G4. Assist. Prof. Dr. – UskudarUniversity (January-2015- June 2018) (TOTAL:3.5 YEARS)
Given Lectures: Medical İmaging Methods, Medical İmaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, Introduction to Radiotherapy

G5. Assoc. Prof. Dr. – UskudarUniversity (June-2018- January-2020) (TOTAL:2 YEARS)
Given Lectures: Medical İmaging Methods, Medical Imaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, Introduction to Radiotherapy

G6. Assoc. Prof. Dr. – University of Sharjah, United Arab Emirates (UAE) (January-2020- Present)

Research Activities

1. Uskudar University Medical Radiation Research and Application Center (ÜSMERA), Monte Carlo Simulation Techniques in Medical and Nuclear Applications (MENUS-MC), Establisher and Educator. UskudarUniversity (2015-present)

*Level-1 (Beginning)

*Level-2 (Intermediate)

*Level-3 (Advanced)

*Level-4 (ProUser)

*Advanced applications and current approaches to diagnostic radiology Radiation Protection and Quality Assurance in Education TARAD 2015 (19- 20 December 2015)

*Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016). 23-24 April 2016. UskudarUniversity, CarsiCampus.

2. Scientific Advisor of Virtual Medical Coaching

http://www.virtualmedicalcoaching.com/tr/contact-us/

http://www.virtualmedicalcoaching.com/

(2016 – Present)

Master and Ph.D. Supervisions

1. Elif Ebru Altinsoy – 2015 / 2017 (Second Supervisor)

Main Field: Radiological Protection, Radiation Proetection, Medical Physics

MSc.

2. Tugba Manici – 2015 / 2017

Main Field: Radiological Protection, Radiation Proetection, Medical Physics

MSc.

3. Diler Ozyurt – 2015 / 2017

Main Field: İnvestigation of psychological conditions of Radiology Technicians

MSc.

4. Sema Aritürk – 2015 / 2017

Main Field: İnvestigation of psychological conditions of Raditherapy Technicians

MSc.

5. Fatih Emre TUTARLI – 2017 / 2018
Main Field: İnvestigation of psychological conditions of Nuclear Medicince Technicians
MSc.

6. Yusuf Cenk Iltus – 2018 / Present
Main Field: Glasses and Radiation shielding properties
MSc.

7. Hasip Can Aydin - 2018 / Present
Main Field: Glasses and Radiation shielding properties
MSc.

8. Duygu Sen – 2018 / 2021
Main Field: Monte Carlo applications on Medical Diagnostic
Ph.D.

Research projects under supervisory - BSc Level

1) The Radiation Risk Assessment of Patients from most frequent Diagnostic Nuclear Medicine examinations: A Monte Carlo simulation study.

- Ashalul Hussein Mohamud
- Fatima Amin Younis A. B. Aloghani
- Waad Tageldin Abdalla Alhussein

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2019-2020

2) An Investigation on performance of Novel Shielding Materials against Ionizing Radiation in Nuclear Medicine Energy Range

- Dalal Mahmood Hasan Abdulla
- Zuhal Hashim Alziber Sideig
- Elaf Ali S Rabaa Albandari Ali M. Almatar

University of Sharjah, College of Health Sciences, MDI Department.

BSc. Research Project.
Academic Year: 2019-2020

3) Nuclear Radiation Shielding properties of Er+3 and Sm+3 Doped Zinc Borate Glasses: A focusing research on suitability for diagnostic radiology facilities

- Abdallah Jawdat Ata Zamil
- Dalia Mohammad Khoucheich
- Ghaida Bilal Lubna Al-Sammarraie
- Lubna Al Samarrie

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

4) The use of Artificial Intelligence (AI) for radiation risk assessment in Abdominal CT scan

- Aya Sami Alhabashi
- Rumaisa Fareed Siddiqi
- Zahra Abbas Sumar

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

5) Artificial Intelligence (AI) techniques applied to dose reduction chest CT scan

- Maryam Ameer Eid
- Hamda Mubarak Al-Dukhan
- Fatemah Taleb Ali
- Nahid Mohammad

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

Some Selected Reviwes in SCOPUS, SCI & SCI-exp and other indexed Journals

1. “Dependence of the Depth-Dose Distributions and Ranges…”
Bosnian Journal of Basic Medical Sciences (BJBMS)

2. “FPGA implementation of Digital PLL-based Frequency…”
Journal of Communication and Computer (JCC)

3. “Transient Heat Analysis in a ….”
Journal of Communication and Computer (JCC)

4. “A study on the impact of residual setup errors on normal organs doses…”
Iranian Journal of Medical Physics (IJMP)

5. “Biological effects of background radiation....”
Journal of Applied Physical Science International

6. “Semi-empirical determination of gamma-ray…”
Progress in Nuclear Energy - Elsevier

7. “A novel neutron shielding composite…”
Progress in Nuclear Energy – Elsevier

8. “Investigation of the Shielding Capability of Concrete Matrixed”
Journal of Modern Physics

9.” Assessment of Occupational Exposure from External Radiation…”
Iranian Journal of Medical Physics (IJMP)

10. “Local diagnostic reference levels for some common diagnostic X-ray….”
Iranian Journal of Medical Physics (IJMP)

11. “Shielding properties of the ordinary concrete loaded with micro- and nanoparticles…”
Applied Radiation and Isotopes – Elsevier

12. "Correlation Between Radon Concentrations and Distance from Fault Line And Meteorological Parameters"
Arabian Journal of Geosciences – Springer

13. "Photon parameters for gamma-rays sensing properties of some oxide of lanthanides…"
Results in Physics – Elsevier

14. "Monte Carlo method for Gamma spectrometry based on GEANT4 toolkit: efficiency calibration of BE6530 detector…"
Journal of Environmental Radioactivity– Elsevier

15. "Preparation and characterization of iron ore imbedded silicone rubber materials for radiation protection…"
Nuclear Science and Techniques – Springer

16. "Determination of mass attenuation coefficient and mass energy absorption coefficient for some vitamins…""
Journal of Testing and Evaluation – ASTM İnternational

17. "Introducing a Novel Coefficient on Mixed-nanoparticles…"
Journal of Physics and Chemistry of Solids - Elsevier

18. "Determination of Some Useful Radiation Interaction…"
Nuclear Engineering and Technology (NET) Journal – Elsevier

19. "Study on gamma ray shielding performance of concretes doped…"
Radiochemica ACTA – De Gruyter

20. "Investigation of radiation shielding…"
Radiochemica ACTA – De Gruyter

21. "Evaluation ff Scale Thickness in ."
Applied Radiation and Isotopes – Elsevier

22. "Effects of collimator on imaging performance of Yttrium-90 Bremsstrahlung…"
Nuclear Engineering and Technology (NET) Journal – Elsevier

23. "Radiation Shielding Parameters of BaO- Nb2O5…"
Materials Research Express – IOP Science

24. "Gamma radiation shielding properties of glasses…"
Radiochemica ACTA – De Gruyter

25. "Radiation protective characteristics of some selected…"
Radiochemica ACTA – De Gruyter

26. "Mass Attenuation Coefficient of Olive …"
Nuclear Science and Techniques - Springer

27. "Radiation protective characteristics of some…"
Radiochemica ACTA – De Gruyter

28. "Gamma radiation shielding properties of glasses"
Radiochemica ACTA – De Gruyter

29. "Evaluation of radioprotection properties of some selected…"
Results in Physics – Elsevier

30. "Evaluation of radiation absorption characteristics…"
Results in Physics – Elsevier

31. "The use of Isophthalic-Bismuth Polymer Composites as Radiation…"
Materials Research Express – IOP Science

32. "GEANT4 simulation of exit energy…"
Radiation Physics and Chemistry – Elsevier

33. "X-ray attenuation and mechanical properties of …."
Materials Research Express-IOP Science

34. "Fabrication and characterization of Phosphotungstic Acid…"
Journal of Alloys and Compounds – Elsevier

35. “Investigating the Use of Glass of Cathode Ray…”
Radiation Physics and Chemistry – Elsevier

36. “Design and development of a web-based application for structural shielding…”
Applied Computing and Informatics– Elsevier

37. “Nuclear radiation shielding and mechanical properties of…”
Radiation Effects and Defects in Solids- Taylor & Francis

38. “Influence of Energy Transfer in the Adsorbed State…”
Radiation Effects and Defects in Solids- Taylor & Francis

39. “Effect of gamma irradiation on some spectroscopic properties…”
Journal of Non-Crystalline Solids – Elsevier

40. “Investigation on the nuclear…”
Radiation Physics and Chemistry – Elsevier

41. “Structural, physical, and radiation attenuation properties of boro-zinc…”
Nuclear Engineering and Technology (NET) Journal – Elsevier

42. “Influence of RE oxides (Eu3+, Sm3+, Nd3+) on…”
Solid State Sciences – Elsevier

43. “Preparation and Characterization of zinc, lanthanum..”
Radiation Physics and Chemistry – Elsevier

44. “Feasibility of Bi- Sn…”
Radiation Physics and Chemistry – Elsevier

45. “Radiation shielding properties using GEANT4…”
Composites Part B: Engineering – Elsevier

46. "Synthesis and gamma shielding properties of new…”
Mater. Res. Express – IOP Science

47. "Investigation of absorbed dose for heart, lungs…"
Radiation Physics and Chemistry – Elsevier

48. "A detailed procedure to calculate the gamma-ray…"
Nuclear Science and Techniques – Springer

49. "Assessment of nuclear shielding and alpha/proton mass…"
Applied Physics A - Springer

50. "Sm2O3 effects on mass stopping power/projected range…"
Applied Physics A - Springer

51. "Bioactive glasses and the impact of Si3N4…"
Ceramics International – Elsevier

52. "Shielding Efficiency of Novel Tungsten…"
Radiation Physics and Chemistry – Elsevier

53. "Morphological and optical properties of thin film…"
Optical Materials – Elsevier

54. "Transmission and buildup factors of …"
Radiation Physics and Chemistry – Elsevier

55. "Mechanical and radiation shielding properties of…"
Radiation Physics and Chemistry – Elsevier

56. "Fabrication, physical, optical characteristics and gamma-rays…"
Physica B: Condensed Matter – Elsevier

57. "Highly dense bismuth telluroborate glasses for..."
Applied Physics A - Springer

58. "Lead (II) Chloride effects on…"
Journal of Physics and Chemistry of Solids - Elsevier

59. “Impact of Lead (II) Iodide on Radiation Shielding Properties...”
Applied Physics A - Springer

60. “The impact of Gd2O3 on nuclear safety...”
Ceramics International - Elsevier

61. “Mechanical features and radiation shielding properties...”
Ceramics International - Elsevier

62. “Synthesis of nano PbZrx...`
Journal of Physics and Chemistry of Solids – Elsevier

63. “Improvement of radiation shielding performance of...”
Applied Physics A - Springer

64. “Gamma ray shielding capacity and build up factors of CdO...”
Journal of Non-Crystalline Solids-Elsevier

65. “Reckoning of nuclear radiation attenuation capabilities...”
Ceramics International-Elsevier

66. “An Experimental Work on Radiation Protection Features...”
Radiation Physics and Chemistry – Elsevier

67. “Photon and electron attenuation parameters of phosphate...”
Ceramics International-Elsevier

68. “Experimental investigations on elastic and radiation shielding parameters..”
Journal of Non-Crystalline Solids-Elsevier

69. “Ionizing radiation attenuation competences of gallium germanate-tellurite glasses utilizing MCNP5…”
Ceramics International-Elsevier

70. “Nd3+ ions doped TeO2-V2O5…”
Journal of Materials Science: Materials in Electronics-Springer

71. "Effect of Gamma-ray and Melt Flow Index of Polypropylene.."

Radiation Physics and Chemistry – Elsevier

72. "Gamma-rays shielding with ..."
Radiation Physics and Chemistry – Elsevier

73. "Barium-borotellurite..."
Materials Chemistry and Physics – Elsevier

74. "An Experimental Study on radiation ..."
Journal of Physics and Chemistry of Solids-Elsevier

75. "Structural, optical and nuclear radiation shielding properties of strontium..."
Optical Materials - Elsevier

76. "Comparative study on nuclear shielding characteristics of $BiBr_3$ and $PbSO_4$..."
Journal of Physics and Chemistry of Solids – Elsevier

77. "Optical features and nuclear radiation shielding efficiency of ZnO..."
Physica Scripta – IOP Science

78. "Analysis of Radiation Attenuation Properties for..."
Radiation Physics and Chemistry - Elsevier

79. "The impact of polymer additive for..."
Materials Chemistry and Physics – Elsevier

80. "Comparative study on nuclear shielding characteristics..."
Journal of Physics and Chemistry of Solids – Elsevier

81. "Impact of ytterbium/erbium co-doping in bismuth borophosphate glasses..."
VACUUM – Elsevier

82. "Gamma Radiation Shielding Characteristics of Various Spinel…"
Journal of Alloys and Compounds – Elsevier

83. “Nonlinear optical, optical...”
Optical Materials - Elsevier

84. “X-ray Shielding Parameters of Lanthanum...”
X-ray Spectrometry - Wiley

85. “Effect of Sb2O3 addition on radiation attenuation…”
Journal of Inorganic and Organometallic Polymers and Materials - Springer

86. “Synthesis and Evaluation of Radiation Absorption...”
Applied Physics A - Springer

87. “Effects of BaO on crystallization, structure…”
Journal of Materials Science: Materials in Electronics - Springer

88. “The glass stability, optical properties and ligand…”
Optical Materials - Elsevier

89. “Neutron and photon shielding competences of aluminum...”
Radiation Physics and Chemistry – Elsevier

90. “Determination of Si(Li) detector efficiency...”
Physica Scripta – IOP Science

91. “Study of physical, optical properties and gamma radiation…”
Optical Materials - Elsevier

92. “SrO effect on photon/particle radiation protection...”
Journal of Physics and Chemistry of Solids – Elsevier

93. “Investigation of medieval archaeological ceramics using...”
Emerging Materials Research – ICE Virtual Library

94. “Monte Carlo simulation on shielding properties of neutron-gamma from 252Cf...”
Radiation Physics and Chemistry – Elsevier

95. "Ceramic Tiles Doped with Lead..."
Radiation Physics and Chemistry – Elsevier

96. "Role of Ga2O3 addition on the radiation..."
Journal of Physics and Chemistry of Solids – Elsevier

97. "UV-visible, EPR spectra, and gamma transmission studies on CaF2..."
Optical Materials - Elsevier

98. "Mixed alkaline earth of sodium borosilicate glasses: Preparation,..."
Optical Materials - Elsevier

99. "Production of micro-structured BaZrO3…"
Journal of Physics and Chemistry of Solids – Elsevier

100. "Effect of Ag2O/V2O5 substitution on the radiation shielding ability..."
Physica Scripta – IOP Science

101. "Optical, mechanical properties of TeO2-CdO-PbO-B2O3 glass systems ..."
European Physical Journal Plus – Elsevier

102. "On $Y_2O3 \cdot Li_2O \cdot Al_2O_3 \cdot B_2O_3$ glasses: Synthesis…"
Journal of Materials Science: Materials in Electronics – Springer

103. "Mechanical properties, linear optical, and shielding ability…"
Journal of Physics and Chemistry of Solids-Elsevier

104. "An experimental and theoretical validation of the physical, structural..."
Journal of Materials Science: Materials in Electronics - Springer

105. "Impact of TiO2 on..."
Journal of Alloys and Compounds-Elsevier

106. "Experimental and Numerical Investigations on..."
Journal of Alloys and Compounds-Elsevier

107. "Effect of Boron Waste on the Radiation..."
Arabian Journal of Geosciences - Springer

108. "Testing and Modelling of Elastomeric Element…"
Materials-MDPI

109. "Tailoring variations in the linear optical and radiation shielding parameters ..."
Applied Physics A - Springer

110. "Correlation between elastic moduli and shielding…"
Journal of Physics and Chemistry and Solids-Elsevier

111. "Towards highly transparent tungsten zinc sodium…"
Ceramics International - Elsevier

Given Courses in last 10 years

Lecture Name	Department	University
Nuclear Medicine	Medical Imaging Department	*University of Sharjah,* ***UAE***
Introduction to Radiology	Medical Imaging Department	*University of Sharjah,* ***UAE***
Research Project	Medical Imaging Department	*University of Sharjah,* ***UAE***
Digital Imaging	Medical Imaging Department	*University of Sharjah,* ***UAE***
Introduction to Research	Medical Imaging Department	*University of Sharjah,* ***UAE***
Medical Imaging Physics	Medical Imaging Department	*Uskudar University,* ***TR***
Medical Imaging Methods-I	Medical Imaging Department	*Uskudar University,* ***TR***
Medical Imaging Methods-II	Medical Imaging Department	*Uskudar University,* ***TR***
Nuclear Medicine	Medical Imaging Department	*Uskudar University,* ***TR***
Basics of Radiotherapy	Radiotherapy Department	*Uskudar University,* ***TR***
Radiobiology	Radiotherapy Department	*Uskudar University,* ***TR***
Nuclear Physics	Engineering and Natural Sciences	*Uskudar University,* ***TR***
Basics of Radiology	Odiology Department	*Uskudar University,* ***TR***

Radiation Safety and Protection	Medical Imaging Department	*Uskudar University,* ***TR***
Radiation Protection	Medical Imaging Department	*Istanbul Aydin University,* ***TR***
Physics I – II	Computer Engineering Department.	*Suleyman Demirel University,* ***TR***
Math I – II	Computer Engineering Department	*Suleyman Demirel University,* ***TR***