

Dr. IQBAL TARIQ
Assistant Professor

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QULIFICATIONS:

Ph.D	University Sains Malaysia (USM)	2016
Medical Physics Course	Pakistan Atomic Energy Commission	1995

The course was consisted of the following institutional sections;

- **C.N.S** (*Center for Nuclear studies , Islamabad , Pakistan*) .
- **PINSTECH** . (*Pakistan Institute of Nuclear Technology Islamabad*) .
- **N.O.R.I** (*Nuclear Medicine and Oncology Institute , Islamabad , Pakistan*) .

M.Sc (Physics)	University of Karachi	1994
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B.Sc (Hons)	University of Karachi	1993
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WORK EXPERIENCES:

1. As Medical Physicist and Incharge of the Department of Radiation Therapy, Baqai Institute of Oncology, Nazimabad , Karachi .
2. Lecturer of Undergraduate Technology Courses, Baqai Medical University.
3. As Senior Medical Physicist , Dr.Ziauddin Cancer Hospital and University Nazimabad , Karachi .
4. Lecturer of Undergraduate and Postgraduate Medical Technology courses at Ziauddin Medical University Nazimabad Karachi, Pakistan.
5. Working experience as Medical Physicist in USA, Houston TX 77089.
6. Lecturer of Physics in the Department of Mathematics & Basic Sciences, N.E.D University of Engineering & Technology, Karachi, Pakistan.
7. As Assistant Professor in the Department of Physics N.E.D University.
8. Acceptance Tests and Data Generation (Tables of PDD, TMR etc. For open and wedged fields) of Siemens Medical Linac Mevatron Primus.
9. Participation in Treatment Room Designing calculations for Siemens Mevatron Primus Teletherapy Units.
10. Acceptance Tests and Quality Assurance of Diagnostic and Therapeutics Machines of the Facilities in Baqai Medical Organization and Dr. Ziauddin Hospital.
11. Radiation Protection Officer at Baqai Medical Organization and Dr. Ziauddin Hospital.
12. Course designed “Medical Radiations” for Postgraduate (MS Physics), Department of Physics N.E.D University of Engineering & Technology.

AREA OF SPECIALITY/ INTEREST:

Medical Physics and Medical Radiation Dosimetry.
Theoretical Physics.
Cosmology & Astrophysics.

PUBLICATIONS / CONFERENCES:

- 1): Poster presentation in International Conference on Medical and Health Sciences (ICMHS) 2013 in conjunction with the 18th National Conference on Medical and Health Sciences (18th NCMHS), Malaysian Society of Human Genetics Inaugural Conference (MSHG) and the 12th Annual Scientific Meeting College of Pathologists, Academy of Medicine, Malaysia.
- 1): Kashif Ahmed¹, Iqbal tariq ² , Solat Ullah Siddiqui ¹, Muhammad Mudassir ¹, Green synthesis of cobalt Nano particles by using plant leaf extract as reducing agent. Pure an applied biology, sep,2016 .Vol 05, issue 03
- 2): Iqbal Tariq¹, Kashif Ahmed². Qualitative estimation of Perspex dust sizes by simple dissolution in Chloroform. Science international , June 2016 , Vol 28, issue 03
- 3): Neutron Particles Contamination In Linear Accelerator During Total Body Irradiation Treatment, Conference: Ahmed, S & Mariam, K & Tariq, A & Hussain, Amjad. (2017). 59th AAPM Annual Meeting & Exhibition At: Denvor, CO Volume: 44 (6)
- 4): UV/Vis dose response of a reusable PMMA-NaCl polymer composite: IqbalTariq^a, MariattiJaafar^b , Siti Khatijah Abdul Razak^c ,Wan FatihahWan Sohaimi^{c, d} , Ahmad Lutfi Yusoff ^{c,d}, August 2022, Volume 186, DOI :10.1016/j.apradiso.2022.110293
- 5) : U. Majeed, I. Tariq, M. Wasib, M. K. Mustafa.,2023. Surface study of RF magnetron sputtered silicon nitride thin films. Journal of Optoelectronic and Biomedical Materials, 15(2). <https://doi.org/10.15251/JOBM.2023.152.55>
- 6): Majeed, U., Tariq, I., Aman, S., Siddiqui, S. and Mohani, H., 2023. Study of the Optimization of Hansen Solubility Parameters in the Ultrasonic Exfoliation Technique to Achieve Stable Graphene Dispersions. The Sciencetech, 4(1).