

Dr. Farooq Aziz, PhD

Lecturer, Department of Physics, University of Sahiwal

Mailing Address **Department of Physics, University of
Sahiwal, Sahiwal, Pakistan**

Home Address: **House#101, Leghari Colony, Block #18,
Dera Ghazi Khan, Punjab, Pakistan**

Email: farooqaziz@uosahiwal.edu.pk
farooqaziz.dr@gmail.com

Cell: **+92-300-6204571**

Date of Birth: **1st of April, 1983**



+ Education

+ Doctorate of Philosophy (Ph.D) in Physics

The Islamia University of Bahawalpur (IUB), Pakistan, with the close collaboration of Nanobiotech Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), FaisalAbad, 2018.

Thesis Title: “Role of Nanoparticles as Contrast Agents in Imaging and Treatment Techniques”

+ Master in Philosophy (M. Phil) in Physics

The Islamia University of Bahawalpur (IUB), Pakistan, 2012.

Thesis Title: “Use of Cranial CT Scan in Accident and Emergency Department”

+ Master in Science: (M.Sc. Physics)

Bahaudin Zakriya University (BZU), Multan, Pakistan, 2008

+ Bachelor’s in Science: (Graduation, B.Sc.)

Bahaudin Zakriya University (BZU), Multan, Pakistan, 2004

+ Higher Secondary School Certificate: (Intermediate, F.Sc)

BISE, D.G. Khan, Pakistan 2002

+ Secondary School Certificate: (Matriculation)

BISE, D.G. Khan, Pakistan 2000

Science group with Physics, Biology, Chemistry and Mathematics

+ Work Experience (12 February 2018 to date)

Working as Lecturer (Visiting), Department of Physics, Ghazi University, Dera Ghazi Khan, Pakistan. (12 Feb 2018 to Feb. 2020).

✚ Research Collaboration:

1. Medical Physics Research Group, Department of Physics, IUB, Bahawalpur, Pakistan
2. NanobioTech Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan
3. Quaid-E-Azam Medical College, Department of Radiology, Bahawalpur, Pakistan.

✚ Research Interest:

1. Nanobiotechnology
2. Medical Physics
3. Radiation Physics
4. Medical Imaging
5. Animal Care and in-vivo Applications
6. Synthesis and characterization of different types of nanomaterials.

✚ References:

1. Prof. Dr. Rao Muhammad Afzal (Ex. Vice chancellor, The Islamia Uni. of Bahawalpur), Pakistan
Email: afzalrao@hotmail.com
2. Dr. Waheed S. Khan (Principal Scientist, National Institute of Nanobiotechnology and Genetic Engineering, Faisalabad), Pakistan
Email: waheedskhan@yahoo.com
3. Prof. Dr. Saeed Ahmad Buzdar (Chairman, Department of Physics, The Islamia Uni. of Bahawalpur), Pakistan
Email: saeed.buzdar@iub.edu.pk
4. Dr. Aalia Nazir (Assistant Professor, Department of Physics, The Islamia Uni. of Bahawalpur), Pakistan.
Email: alia.nazir@iub.edu.pk
5. Dr. Farooq Latif (Director ORIC, Lahore Garrison University, Lahore), Pakistan
Email: farooqlatif@lgu.edu.pk

✚ International Journal's Publications:

1. **Farooq Aziz**, Ayesha Ihsan, Aalia Nazir, Ishaq Ahmad, Sadia Zafar Bajwa, Asma Rehman, Abdoulaye Diallo, and Waheed S. Khan. "*Novel route synthesis of porous and solid gold nanoparticles for investigating their comparative performance as contrast agent in computed tomography scan and effect on liver and kidney function.*" International Journal of Nanomedicine 12 (2017): 1555. IF=4.471
2. **Farooq Aziz**, Khizra Bano, Ahmad Hassan Siddique, Sadia Zafar Bajwa, Aalia Nazir, Anam Munawar, Ayesha Shaheen, Madiha Saeed, Muhammad Afzal, M. Zubair Iqbal, Aiguo Wu & Waheed S. Khan. "*Lecithin-coated gold nanoflowers (GNFs) for CT scan imaging applications and biochemical parameters; in vitro and in vivo studies*" Artificial Cells, Nanomedicine, and Biotechnology, Vol 46 (2018). I.F=4.462

3. Saddique, M. Bilal, Muhammad Rashid, Adnan Afzal, Shahid M. Ramay, **Farooq Aziz**, and Asif Mahmood. "Ground state opto-electronic and thermoelectric response of cubic $XSnO_3$ ($X= Ba, Sr$) compounds" *Current Applied Physics* 17, no. 8 (2017): 1079-1086. I.F=2.010
4. Gadhi, Muhammad Asghar, Saeed Ahmad Buzdar, Muhammad Arshad, Muhammad Akram, **Farooq Aziz**, Aziz-Ur Rehman, and Shahab Fatmi. "A phantom study for in-vivo dosimetry of high dose rate brachytherapy applicators". *International Journal of Cancer Therapy and Oncology* 4, no. 4 (2016). I.F=2.2
5. Muhammad Isa Khan, Seemab Dildar, Tahir Iqbal, Muhammad Shakil, Muhammad Bilal Tahir, Muhammad Rafique, **Farooq Aziz**, Sardar Bibi, Mohsin Ijaz. (2019). "In Vivo Study of Gold-Nanoparticles Using Different Extracts for kidney, liver function and Photocatalytic Application". *Chemical Reports*, 1(2019), 36-42.