



Hesham M.H. ZAKALY

Name and Surname: Hesham Mahmoud Hamed Mohamed

Title : Dr.

Degree : Ph.D.



<https://www.researchgate.net/profile/Hesham-Zakaly/research>



<https://scholar.google.com/citations?user=CUzr6HwAAAAJ&hl=en>



<https://www.scopus.com/authid/detail.uri?authorId=57196235532>



<https://publons.com/researcher/1739590/hesham-mh-zakaly/>

Education	Field	University	Year
BSc.	Special-Physics	Al-Azhar University, Egypt	2008
Pre- MSc.	Applied Radiation	Helwan University, Egypt	2012
MSc.	Experimental Nuclear Physics	Al-Azhar University, Egypt	2015
Postgraduate Diploma.	Physics	Ural Federal University, Russia	2021
PhD.	Radiation Biology	Ural Federal University- State Scientific Center of the Russian Federation- A.I. Burnazyan Federal Medical Biophysical Center	2022

5. Academic Titles

5.1. Demonstrator01/03/2012 - 20/05/2015 Faculty of Science Al-Azhar University; **Egypt.**

5.2. Assistant Lecturer: 05/2015 - /05/2020 Faculty of Science Al-Azhar University; **Egypt.**

5.3. Junior Researcher 12/2017 – 12/2022 Ural Federal University, **Russia**

5.4. Lecturer : 2022 - - **Present** Al-Azhar University – **Egypt.**

5.5 Postdoctoral Researcher: 09/2022 – **Present** Ural Federal University, **Russia**

9. Scientific Interests

Radiation Biology, Radiation Diagnostics and Therapy, Medical Physics, Monte Carlo Simulations, Nuclear Engineering, Nuclear Physics, Radiopharmaceuticals, Radiological Protection, Nanomaterials, FLUKA code, Radiotherapy, Radiation Protection, Nano-Structure Materials, Radiation Hazards, Natural Radioactivity

10. Education

1. Bachelor (BSc.)

Bachelor: Al-Azhar University (Special-Physics) 2004-2008 / **Egypt**

Graduation Project: Al-Azhar University (primary particles) (2007-2008) / **Egypt**

2. Master (MSc.)

Postgraduate: Helwan University (Applied Radiation) 2011-2012/ **Egypt**

Master: Al-Azhar University August 2015 **Egypt**

Master Thesis Title: Natural Radioactivity measurement and Radiological Impacts of Sediment Samples along Red Sea coastline, Egypt

3. Ph. D

Ph.D.: Ural Federal University, (Radiation Biology) 2017-2022/ **Russia**

Thesis Title: Dosimetric Evaluation of Promising Radiopharmaceuticals Based on ^{89}Zr and ^{177}Lu For Radiation Diagnostics and Therapy

Thesis Studies: Institute of Physics and Technology, Ural Federal University, Yekaterinburg/**Russia**

Name of dissertation council: FSBI "State Scientific Center of the Russian Federation - Federal Medical Biophysical Center named after A.I. Burnazyan"

<https://vak.minobrnauki.gov.ru/advert/100064134>

Languages

1. Arabic (Native Language)
2. English (Advanced)
3. Russian (Advanced)

Teaching Skills:

- ✓ Experience in teaching experimental physics Labs (properties of matter – electricity – heat – optics) for 1st year students in faculty of science – Al-Azhar University, Assiut, Egypt (From 2012 up till now).
- ✓ Experience in teaching experimental physics Labs (electronic circuits – solid state – nuclear) for 3rd and 4th Year's students in faculty of science – Al-Azhar University, Assiut, Egypt (From 2012 up till now).
- ✓ Membership in several subcommittees in the Faculty of Science – Al-Azhar University (Students affairs, the higher educational studies and the laboratories and devices.
- ✓ Teaching most of the curriculum for the different classes of faculty of science and education
- ✓ Participating in the development of nuclear physics lab for the students of the third and fourth classes of physics department, Faculty of Science.
- ✓ Participating in the processing and modernization of experimental nuclear physics research laboratory, Department of Physics Faculty of Science
- ✓ Participating in the strategic planning committee for quality assurance and accreditation.
- ✓ Organizer at the first international conference on new horizons in basic and applied science 2013.
- ✓ Organizer at the Second international conference on new horizons in basic and applied science 2015.

Additional Information:

Observative - Creative - Well-organized - Facilitating – Patient.
I hope my qualifications meet your admiration.

Hesham M.H Zakaly