

Personal Information

Name: Aly Abdallah Saeed Abdallah

Home Town Address: Zahra Madint Nasr- Nasr City- Cairo- Egypt

Mobile number: +02-01027417225 +02-01143039054

Emails: aly_8h@yahoo.com

Nationality: Egyptian

Date of birth: 22 December 1986

Marital Status: Single

Military service: finished

Gender: Male



Current Position

Lecturer of Physics and Materials Science, Location: Nuclear Power Stations Department,
Faculty of Engineering, Egyptian- Russian University, Cairo, Egypt.

Education

Doctorates

2016 **PhD.** Doctor of Philosophy in **Physics**
Major: Nuclear Physics (Nuclear Materials), Physical metallurgy
Language of study: **English language**
University and location: Faculty of Science, **Ain Shams University**, Cairo, **Egypt**

Master:

2013 **M.Sc.** Master of Physics
Major: Nuclear Physics and its application
Language of study: **English language**
University and location: Faculty of Science, **Al-Azhar University**, Cairo, **Egypt**

Postgraduate

2011 **Postgraduate** in Nuclear Physics
Language of study: **English language**
University and location: Faculty of Science, **Al-Azhar University**, Cairo, **Egypt**

Bachelors

2008 **B.Sc.** Bachelor of Science in **Physics**
Language of study: **English language**
University and location: Faculty of Science, **Al-Azhar University**, Cairo, **Egypt**

Publishing

Books

(Submitted, under review)

1- Introduction to Mathematical Physics, Authored and Collected by Aly Saeed and Yahia Elbasha [Arabic language]

Papers

1. **Aly Saeed**, R. M. El shazly, A. M. Abou El-azm, M. M. El-Okr, Y. H. Elbasha, M. N. H. Comsan, W. A. Kansouhd, A. R. El-Sersy, “Neutron Shielding Properties of a Borated High-Density Glass”, Nuclear Technology & Radiation Protection, Vol. 32, No. 2, PP. 120-126, 2017.
2. M. M. Eissa, S. U. El-kameesy, S. A. El-Fiki, S. N. Ghali, R. M. El Shazly, **Aly Saeed**, “Attenuation Capability of Low Activation-Modified High Manganese Austenitic Stainless Steel for Fusion Reactor System, Fusion Energy and Design, Vol. 112, PP. 130–135, 2016.
3. Y. H. Elbasha, **Aly Saeed** and D. A. Rayan, “Prism Method of Studying The Refractive Index for Zinc Borate Sodium Glass Doped Neodymium Oxide”, Journal of Ceramic Processing Research, Vol. 17, No. 6, PP. 532-536, 2016.
4. Y. H. Elbasha, **Aly Saeed**, and S. S. Moslem, “Spectroscopic Analysis of Copper Calcium Phosphate Glasses Matrix”, Nonlinear Optics and Quantum Optics, Vol. 0, PP. 1–8, 2016.
5. S. U. El-Khameesy, M. M. Eissa, S. A. El-Fiki, R. M. El Shazly, S. N. Ghali, **Aly Saeed**, “The Attenuation Capability of Selected Steel Alloys for Nuclear Reactor Applications”, Journal of Advances in Physics, Vol. 11, No. 3, PP. 3139-3145, 2015.
6. **Aly Saeed**, Y. H. Elbasha, and S. U. El Kameesy, “Study of Gamma Ray Attenuation of High-Density Bismuth Silicate Glass for Shielding Applications”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol. 6, No. 4, PP. 1830-1837, 2015.
7. **Aly Saeed**, Y. H. Elbasha, and S. U. El Kameesy, “Towards Modeling of Copper-Phosphate Glass for Optical Bandpass Absorption Filter”, Research Journal of Pharmaceutical, Biological and Chemical Sciences Vol. 6, No. 4, PP. 1390-1397, 2015.

8. Elbashar Y. H and **Aly Saeed**, “*Computational Spectroscopic Analysis By Using Clausius–Mossotti Method For Sodium Borate Glass Doped Neodymium Oxide*”, Research Journal of Pharmaceutical, Biological and Chemical Sciences Vol. 6, No. 5, PP. 220-326, 2015.
9. **Aly Saeed**, R.M. El shazly, Y.H. Elbashar, A.M. Abou El-azm, M.M. El-Okr M.N.H. Comsan, A.M. Osman, A.M. Abdal-monem, A.R. El-Sersy, “*Gamma Ray Attenuation in A Developed Borate Glassy System*”, Journal of Radiation Physics and Chemistry, Vol. 102, PP. 167-170, 2014.
10. **Aly Saeed** , Y. H. Elbashar , Y. S. Nada , S. U. El Kameesy , “*Study of the Optical Aspects of Suitable New Glass for Radiation Shielding Applications*”, the 5th international conference on modern trends physics research, December 15- 19, Cairo, Egypt (Poster presentation), 2014.
11. **Aly Saeed**, Y. H. Elbashar, S. U. El Kameesy, “*Optical Spectroscopic Analysis of High Density Lead Boro-Silicate Glasses*”, Silicon (Accepted 29-November 2016).
12. **Aly Saeed**, Y. H. Elbashar, S. U. El Khameesy, “*A Novel Barium Borate Glasses for Optical Applications*”, Silicon (Accepted for publication, 20 Feb. 2017)
13. M. M. Eissa, S. U. El-kameesy, S. A. El-Fiki, R. M. El Shazly, S. N. Ghali, A.R. El-Sersy, **Aly Saeed**, “*A Modified High Manganese-Nitrogen Stainless Steels as a cladding for Fast Reactor Pressure Vessel*”, *International Journal of Pressure Vessel and Piping*, (In Press).

Scientific Productivity and Impact

Author name: *Aly Saeed, A. Saeed, A. A. Saeed*

Number of publishing: 13 papers

Number of citations: 60

H-index: 5 (Scopus)

Teaching Experience

Course Title	University
Physics I (Properties of Matter)	Egyptian-Russian University
Physics II (Electricity and Magnetism)	Egyptian-Russian University
Physics III (Waves and Optics)	Egyptian-Russian University
Physics IV (Quantum and Modern Physics)	Egyptian-Russian University
Electrical Engineering Materials	Egyptian-Russian University
Physics III (Radiation Physics)	Egyptian-Russian University
Nuclear and Neutron Physics	Egyptian-Russian University

Administrative Experience

- 1- وحدة ضمان الجودة بكلية الهندسة – الجامعة المصرية الروسية
 - معيار إدارة الجودة والتطوير.
 - القيادة والحوكمة.
 - لجنة توصيف المقررات.
- 2- إعداد ومتابعة لائحة قسم هندسة محطات الطاقة النووية – كلية الهندسية – الجامعة المصرية الروسية.
- 3- توصيف برنامج هندسة المحطات النووية – كلية الهندسية – الجامعة المصرية الروسية.

Research Experience

PhD research student, Location: Department of Physics, Ain Shams University, Cairo, Egypt.

- Working and research Experience in: Reactors Physics, Reactors Design, Reactor materials.
- Working and Experience in: Glass materials and its applications.

PhD. research student, location: Steel & Ferroalloys, Central Metallurgical Research and Developments Institute

- Working and research experience in: Steel alloys for nuclear and industrial applications, (Nuclear Reactor Materials).

PhD. research student, Location: National Institute for Standards, Cairo, Egypt.

- Working and Research Experience in : Reactor materials (like reactor fuel cladding, control rod and reactor vessel), using Radiation Source, like gamma ray and neutron sources as well as their detection techniques

March, 2014- January 2017

M.Sc. research student, Location: Egyptian Atomic Energy Authority, Cairo, Egypt.

- Working and Research Experience in: Radiation protection, shielding materials, using Radiation Source, like gamma ray and neutron sources as well as their detection techniques.

M.Sc. research student, Location: National Institute for Standards, Cairo, Egypt.

- Working and Research Experience in: Radiation protection, shielding materials, using Radiation Source, like gamma ray and neutron sources as well as their detection techniques

June 1, 2012- January 31, 2013

M.Sc. research student, Location: Department of physics, Faculty of Science, Al–Azhar University, Cairo, Egypt

- Working and Research Experience in: Glass science and applications like glass for laser medium , glass in optical applications, and glass as radiation shielding from gamma ray and neutrons

June 1, 2012- January 31, 2013

Training and Courses

- ❖ Radiation protection course “ Al-Azhar University – Cairo – Egypt”
- ❖ Interaction of radiation with matter and detection techniques course “Al-Azhar University – Cairo – Egypt”
- ❖ Training on the use of radioactive sources and radiation detection devices “(Atomic energy authority, National institute for standards and Al-Azhar University, Cairo, Egypt).
- ❖ Training in optical properties laboratory {Prof.Dr/ M.M. El-Okr (Al-Azhar University)}.

Professional Experience

- ⇒ Dealing with radioactive sources (Atomic energy authority, National institute for standards, Ain Shams University and Al-Azhar University, Cairo, Egypt).
- ⇒ Proficiency in the use of radiation detection devices. (Atomic energy authority, National institute for standards, Ain Shams University and Al-Azhar University, Cairo, Egypt).
- ⇒ Working Experience on (Stilben detector, NaI(Tl) Scintillation detector, Hyper Pure Germanium detector, Different types of survey meters, Optical Spectrophotometer, Electrical conductivity, ...etc) devices.
- ⇒ Reactor Materials specially, steel for reactor applications (PhD research)
- ⇒ Long experience in glass fabrication with various shapes for different applications. {glass technology and optical Properties laboratory {Prof.Dr/ M.M. El-Okr (Al-Azhar University)}}.
- ⇒ Experience in spectroscopic analysis, like, Optical, FTIR, X-ray ... etc.

Computer skills

- ⇒ Fluent in Ms Office and computer hardware.
- ⇒ Ms Windows.

Languages

- ⇒ **Arabic:** mother tongue.
- ⇒ **English:** Very good (written and spoken).

Management & Other skills

- ⇒ Flexibility to learn and work outside normal working hours.
- ⇒ Able to work under pressure & team player
- ⇒ Ability to learn anything that supports my work and improves my skills.
- ⇒ Hard worker & pro-active.
- ⇒ Able to deal with different types of personalities.
- ⇒ I am keen to start my career and would be a dependable person.

Interests and Hobbies

- ☛ Reading.

- ☛ Reading Scientific
- ☛ Chess
- ☛ Computer software.

Career Objectives

- ☞ Joining a reputable organization or entity in the field of Manufacturing and Production, Physics researcher, supervisor of the quality of products and Development of products. To develop my skills, acquire new experience, knowledge and make a positive contribution to this organization.
- ☞ I am a recent graduate who combined studies with working and other commitments. In achieving this, I have shown myself to be self-motivated, committed and determined in achieving my goals, come what may. I have also demonstrated negotiating and organizing skills, a firm sense of responsibility and my capacity to work hard under pressure. I possess excellent verbal and written communication skills and am able to relate to a wide range of people.

References

- 1- Professor: Mohamed Mahmoud Elokr, Department of Physics, Faculty of Science, Al-Azhar University, Cairo, Egypt
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Email: Moh.Elokr@yahoo.com
- 2- **Professor. Dr.:** Samir Yousha El-khamisy, Department of Physics, Faculty of Science, Ain Shams University, Cairo, Egypt
Mobile phone: 002-0100-165639.
Email: samirkhamisy@yahoo.com
- 3- **Professor. Dr. :** Mamdouh Mahmoud Eissa, Steel & Ferroalloys Department, Central Metallurgical Research and Developments Institute
Mobile phone: 002-01221227843
Email: mamdouh_eissa@yahoo.com
- 4- **Professor. Dr.:** Soad Abd El-Moneem El-fiki, Physics Department, Faculty of Science, Ain Shams University, Cairo, Egypt
Mobile phone: 002-0100-165639.
- 5- **Dr:** Raed Mohmed El-Shazly, Department of Physics, Faculty of Science,

Al-Azhar University, Cairo, Egypt

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