

Curriculum Vitae

Dr. Aly Abdallah Saeed Abdallah

Nuclear Power Stations Department
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1. Personal Information

First Name / Sure Name: Aly Abdallah Saeed Abdallah

Nationality: Egyptian

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2. Education

Title of Awarded Degree	Name of Organization Providing Education	Principle Subject	Dates	
			From	To
<i>Philosophy of Doctorate</i>	Faculty of Science Ain Shams University	Reactor Materials	2014	2016
Thesis Title: <i>Design of Steel Alloys for Industrial and Nuclear Applications</i>				
MSc.	Faculty of Science Al-Azhar University	Nuclear Material	2012	2013
Thesis Title: Development of glassy System as A shielding for Nuclear Radiation				
BSc.	Faculty of Science Al-Azhar University	Special Physics	2004	2008

3. Professional Experience

Occupation	Name & Address of Employer	Main Activities & Responsibilities	Dates	
			From	To
Assistant Lecturer	Egyptian Russian University Badr City, Cairo-Suez Road, Postal Code 11829	- Tutorials and Labs for Physics Courses. - Quality Assurance Unit	2013	2016
			2016	Until Now
Assistant Professor	Egyptian Russian University Badr City, Cairo-Suez Road, Postal Code 11829	Lectures of Physics Courses - Quality Assurance Unit Coordinate of Nuclear Power Stations Dep.	2016	Until Now

4. Discipline

General Discipline	Physics & Materials Science	Principle Subject	Nuclear Materials Solar Energy Materials Optical & Opto-electronic Materials
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5. Teaching Experience

Course Title	Course Code	University	Academic Years
Physics 1	BS003	Egyptian Russian University	2019-Until Now
Physics 2	BS004	Egyptian Russian University	2016-Until Now
Physics 3	BS103	Egyptian Russian University	2016-Until Now
Physics 4	BS106	Egyptian Russian University	2019-Until Now
Nuclear Physics	NE308	Egyptian Russian University	2016-Until Now
Physics	PH101	Egyptian Russian University	2020-Until Now
Electrical Engineering Materials	EE105	Egyptian Russian University	2016-2018
Scientific Thinking	HM202	Egyptian Russian University	2017-2019

6. Personal Skills

Computer Skills	Self-Assessment		
	Excellent	Good	Fair
ICDL	√		
Language Skills	Self-Assessment		
	Excellent	Good	Fair
English	√		
French			
Other Skills			

8. Scientific Activities

Scientific Productivity and Impact

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

Number of publishing: 20 papers

Number of citations: 237

Scopus H-index: 10

a. Publication

- 1.A.M. El-Batala, **Aly Saeed**, N. Hendawy, M.M. El-Okr, and M. K. El-Mansy “*Influence of Mo or/and Co Ions on The Structural and Optical Properties of Phosphate Zinc Lithium Glasses*”, Journal of Non-Crystalline Solids, **Accepted** 2021.
- 2.**Aly Saeed**, R. M. **EL-Shazly**, Y. H. Elbashar, A. M. Abou El-Azm, M. N. H. Comsan, M. M. El-Okr, and W. A. Kansouh, “*Glass Materials in Nuclear Technology for Gamma Ray and Neutron Radiation Shielding: a Review*”, Nonlinear Optics, Quantum Optics: Concepts in Modern Optics, Vol. 53, No. 1-2, PP. 107-159.
- 3.S U El-Kameesy, F M El-Hossary, M M Eissa, A A Abd El-Moula, Samah A. Al-Shelkamy and A Saeed, “*Radiation Shielding, Mechanical and Tribological Properties of Treated AISI304L Using H2/N2 rf Plasma*”, Journal of Physics: Conf. Series Vol. 1253, PP. 1-9, 2019.
- 4.M. M. Eissa, F. M. El-Hossary, S. U. El-Kameesy, **Aly Saeed**, Al-Zahraa A. Abd Elmoula, Samah A. Al-Shelkamy, “*Mechanical and Gamma Ray Attenuation Properties of N316L Steel Treated by RF Plasma as a Nuclear Material*”, Arab Journal of Nuclear Sciences and Applications, Vol. 52, No. 2, PP. 7-12, 2019.
- 5.**Aly Saeed**, Raed Mohamed El-Shazly, Saeed Nabil Ghali, Samir Yousha El-khamisy, Soad Abd El-Moneem El-fiki, Mamdouh Mahmoud Eissa, “*Low Activation-Modified High Manganese-Nitrogen Austenitic Stainless Steel for Fast Reactor Pressure Vessel Cladding*”, Nuclear Science, Vol. 3, No. 3, PP. 45-51, 2018.
- 6.**Shaimaa** Hafez, M.M. Eissa, S.U. El-Kameesy, R.M. Elshazly, M.K. El Fawkhry, **Aly Saeed**, “*Modified Boron-Titanium Austenitic Stainless-Steel Alloys for Power Reactors*” International Journal of Engineering Technologies and Management Research, Vol.5, No.6, PP. 87-95, 2018
- 7.**Aly Saeed**, Y. H. Elbashar, S. U. El Kameesy, “*Optical Spectroscopic Analysis of High Density Lead Boro-Silicate Glasses*”, Silicon, Vol. 10, PP. 185–189, 2018.
- 8.**Aly Saeed**, Y. H. Elbashar, S. U. El Khameesy, “*A Novel Barium Borate Glasses for Optical Applications*”, Silicon, Vol. 10, PP. 569–574, 2018.

9. **Aly Saeed**, R. M. El shazly, A. M. Abou El-azm, M. M. El-Ok, Y. H. Elbashar, 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.
10. Aly Saeed, M. M. Eissab, S. U. El-kameesy, “*Modified Cobalt Free Ultra-High Strength Maraging Steel Alloys for Nuclear Reactor Pressure Vessel*”, 4th International Conference on Energy Engineering, Faculty of Energy Engineering - Aswan University -Aswan - Egypt, 2017.
11. F. M. El-Hossary, S. U. El-kameesy, M. M. Eissa, Al-Zahraa A. Abd Elmula, Aly Saeed, Samah A. Al-Shelkamy, “*Effect of Plasma Surface Treatment on AISI 316L Stainless Steel for In-Core Applications of Nuclear Reactors*”, 4th International Conference on Energy Engineering, Faculty of Energy Engineering - Aswan University -Aswan - Egypt, 2017.
12. 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.
13. Y. H. Elbashar, **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.
14. Y. H. Elbashar, **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.
15. 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.
16. **Aly Saeed**, Y. H. Elbashar, 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.
17. **Aly Saeed**, Y. H. Elbashar, 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.

18. 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.
19. **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.
20. **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.
21. A. M. El-Batal, **Aly Saeed**, M. A. Farag, M. M. El-Okr, “*Influence of Double Transition Metal Ions Added to Borophosphate Glasses for Optical Filter Applications*”, Optical and Quantum Electronics (In Press).
22. S. Sobih, **Aly Saeed**, S. A. Ali, A. A. Omara, “*Enhancement The Solar Cell Efficiency Using Fluorophosphate Glass Containing Er³⁺/Yb³⁺ as blue Luminescent Layers*”, Renewable Energy, (In Press).
23. Aly Saeeda, Sh. Heikal, A. Abdelghany, “*Multi-Wavelengths Blue Emission from Heavy Metal-Oxyfluorophosphate Glass Containing Er³⁺ ions*” Optical Materials, (In Press)

b. Supervision:

Degree	Thesis Title	Researcher Name	Start Date	Approval Date
Ph.D.	<i>Investigation of developed Ferretic and Martensitic Stainless Steels for Nuclear Power Reactors</i>	Noha Mohamed Ali	2017	-
Ph.D.	<i>The Attenuation Capability of SiO₂-xNa₂O-ZnO-(65-x) B₂O₃-yPbO Glass System</i>	Mona Magdy Hassan	2020	-
MSc.	<i>Low Activation Stainless Steel Alloys for In-Core Applications of Nuclear Reactors</i>	Saeed Fayed	2017	-

MSc.	<i>Study of Modified Phosphate Glasses for Optical Filter Applications</i>	Aya El-batal	2018	-
MSc.	<i>Solar Spectrum Conversion to Enhance the Performance of Solar Cells</i>	Sara Sobih	2018	-