

Personal information	<p>Name: Alaa Abdelraheem Date and place of birth: 1st. July 1990 in Assiut, Egypt Sex: female Nationality: Egyptian (Permanent Resident of Canada)</p>	
Contact Information	<p>Physics Department, Faculty of Science, Assiut University, 71516 Egypt. Phone: 020-88-2124541 Mobile: 020-10-05439751 E-mail: alaamoustafa@aun.edu.eg</p>	
Present position	<p>Research and Lecturer Assistant, Physics department, Faculty of Science, Assiut University. (February 2013– Till Now)</p>	
Research Interests	<p>Superconducting materials, Semiconductors, Nanomaterials science, Thin films and Computer Programming.</p>	
Degree Hold	M.Sc.	<p>Superiors: Prof. M.M. Hafiz, Prof. M.I. Abd-Elrahman and Prof. A.A. Abu-Sehly. Physics, Assiut University, Assiut, Egypt, July 2016. Thesis Title: “<i>Growth and characterization of Ge-Se-Sn chalcogenide films for application in phasechange memory</i>”</p>
	B.Sc.	<p>Physics, Assiut University, Egypt, June 2011 Graduation Project Title: “<i>Influence of annealing on the structure an/d optical properties of Se₉₃ In₅ Pb thin films.</i>” Supervisor: Prof. A. Gaber</p>
Publications	<ul style="list-style-type: none"> ▪ Abd-Elrahman, M.I., Hafiz, M.M., Abdelraheem, A.M., and Abu-Sehly, A.A. (2015) “Characterization of optical constants and dispersion parameters of highly transparent Ge₂₀Se₇₆Sn₄ amorphous thin film” <u>Optical Materials</u>. 50: 99-103. ▪ Abd-Elrahman, M.I., Hafiz, M.M., Abdelraheem, A.M., and Abu-Sehly, A.A. (2016) “Effect of Sn additive on the structure and crystallization kinetics in Ge–Se alloy” <u>Journal of Alloys and Compounds</u>. 675: 1-7. ▪ Mahmoud, A.Z., Mansour Mohamed, Moustafa, S., Abdelraheem, A.M., Abdelrahim, M.A. (2017) “Study of nonisothermal crystallization kinetics of Ge₂₀Se₇₀Sn₁₀ chalcogenide glass” <u>Journal of Thermal Analysis and Calorimetry</u>. 131: 2433- 2442. ▪ Mansour Mohamed, Abdelraheem A.M., Abd-Elrahman, M.I., Hadia N.M.A., Shaaban E.R. (2019) “Composition dependence of structural and linear and non-linear optical properties of CdS_{1-x}Mn_x semiconducting thin films” <u>Journal of Applied Physics A</u>. 125 : 483. ▪ Abdelraheem A.M., Abd-Elrahman M.I., Mansour Mohamed, Hadia N.M.A., Shaaban E.R. (2020) “Linear and non-linear optical parameters of diluted magnetic 	

	<p>semiconductor CdS_{0.9} Mn_{0.1} thin film: influence of the film thickness” <u>Journal of Electronic Materials</u>. 49 : 1944-1956.</p> <ul style="list-style-type: none"> ▪ Abd-Elnaiem Alaa M., Moustafa S., Abdelraheem A.M., Abdel-Rahim M.A., Mahmoud A.Z. (2020) “Effects of annealing on structural and optical properties of Ge₂₀Se₇₀Sn₁₀ thin films for optoelectronic applications” <u>Journal of Non-Crystalline Solids</u>. 549 : 120353.
Professional Experience	<p>2016-present Assistant lecturer, Assiut University, Egypt</p> <p>2013-2016 Teaching and Research Assistant, Assiut University, Egypt.</p> <p>2012-2013 NANO-Laboratory Physicist - Full Time, Assiut University, Egypt.</p>
Computer skills	<p>OriginLab: Data analysis and graphics software. [2011-Present]</p> <p>MATLAB: Computational platform. [2015-Present]</p>