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| C:\Users\Administrator.Alaa\AppData\Local\Microsoft\Windows\INetCacheContent.Word\WP_20170222_22_40_24_Pro.jpg | | **Alaa Mohamed Mohamed Adam**  **Lecturer of Physics, Sohag University, Sohag, Egypt** | | |
| **Date of birth** | |  | **20/01/1985** | |
| **Nationality** | |  | **Egyptian** | |
| **Email** | |  | [**alaa.mohamed@science.sohag.edu.eg**](mailto:alaa.mohamed@science.sohag.edu.eg)  **adam\_phy@yahoo.com** | |
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| **EDUCATION** | |  |  | |
| **January 2016** | |  | **PhD degree**  **Physics-Mathematical Science and Engineering department, University of Chemical Technology and Metallurgy, Sofia, Bulgaria** | |
| **October 2013 - July 2015** | |  | **Postgraduate courses and Research studies**  **Physics department, university of chemical technology and metallurgy, Sofia, Bulgaria** | |
| **November 2011** | |  | **Master’s Degree in Physics**  **Department of physics, Faculty of Science, University of Sohag, Sohag, Egypt** | |
| **September 2009** | |  | **Master Courses in Physics**  **Department of physics, Faculty of Science, University of Sohag, Sohag, Egypt** | |
| **May 2006** | |  | **B.Sc. in Physics**  **Department of physics, Faculty of Science, University of Sohag, Sohag, Egypt** | |
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| **WORK EXPERIENCE** | |  |  | |
| **(October 2013 → July 2015)** | |  | **Lecturer Assistant and researcher**  **Department of physics, Faculty of Science, University of Sohag, Sohag, Egypt** | |
| **(March 2007 → September 2011)** | |  | **Demonstrator of physics and researcher assistant**  **Department of physics, Faculty of Science, University of Sohag, Sohag, Egypt** | |
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| **ACADEMIC PROJECTS** | |  |  | |
| **TEMPUS Project** | |  | **Developing and introducing of new and updating courses in materials science** | |
| **UCTM national project** | |  | **Investigation of chalcogenide materials for power and energy applications** | |
| **Bulgarian academy of science project** | |  | **Hybrid materials for optoelectronic applications** | |
| **BSc. graduation research and essay** | |  | **Preparation of grinding disks for nano-powder production** | |
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| **Job Related Skills and**  **Competences** | |  | **Preparation and characterization of micro and nano scale materials** | |
|  | |  | **Preparation and characterization of thin layers by vacuum thermal evaporation and pulsed laser deposition techniques** | |
|  | |  | **Determination of electrical, optical, physicochemical and thermoelectrical properties of materials and alloys** | |
|  | |  | **Deep experience with XRD, SEM, TEM, EDAX, Raman and AFM techniques** | |
|  | |  | **strong experience of using UV-Vis- IR spectrophotometer, interference spectroscopy and microhardness measurements** | |
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| **Computer skills** | |  | **Good command of the following:**   * **MATLAB** * **FORTRAN** * **Origin® and data analysis software** * **Microsoft Office™ (Word, Power point ,Excel, Access, Outlook, One note, Project management)** * **International Computer Driving License [ICDL]** | |
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| **Languages** | |  | | Mother tongue: Arabic  Other languages: English: Fluent ( IELTS 6.5)  French: Beginner  Bulgarian: Beginner |
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| **Social skills and competences** |  | | | * **Good ability to adapt to multicultural environment, gained through my experience of studying and travelling abroad and working in European setting.** * **Team spirit obtained through the interdisciplinary nature of my previous work** * **Analytical and problem solving skills.** * **Good ability to work autonomously.** * **Independent learning.** * **Good communication and presentation skills.** * **Leadership skills developed through work experience in tutoring undergraduates.** |
| **Publications** |  | | | 1. **Structural, Electrical, and Thermoelectrical Properties of (Bi1 xSbx)2Se3 Alloys Prepared by a Conventional Melting Technique, Journal of Experimental and Theoretical Physics, 2013, Vol. 116, No. 1, pp. 166–172. (2013), E M M Ibrahim, A M Abdel Hakeem, A M Adam, E Kh Shokr** 2. **Effect of heat treatment on the electrical and thermoelectric properties of Sb doped Bi2Se3, Phys Scr. 90 (2015) 1-7., E M M Ibrahim, A M Abdel Hakeem, A M M Adam and E Kh Shokr** 3. **Characterization and physical properties of (Bi1 − xSbx)2Se3 alloys, The second conference of young researchers of sohag university. Sohag, EGYPT (2011), E M M Ibrahim, A Abdel Hakeem, A M M Adam and E Kh Shokr** 4. **Optical and thermal properties of properties of the system Bi2 (Se1-xTex)3, Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, 339-344, (2015). A. Adam, E. Lilov and P.Petkov.** 5. **STRUCTURAL AND PHYSICOCHEMICAL PROPERTIES OF CRYSTALLINE BISMUTH CHALCOGENIDES Advances in Natural Science: Theory & Applications, 4 (2015) 23-33, A. M. Adam, E. Lilov, P. Petkov.** 6. **Effect of compositional dependence on physicochemical properties of Bi2Se3 doped system, Materials Science in Semiconductor Processing, 52 (2016)1–7, A. M. Adam, E. Lilov, P. Petkov.** 7. **Characterization and physical properties of (Bi1 − xSbx )2Se3 alloys prepared by a conventional melting technique, sohag bulletin of bure and applied science. 2011.** 8. **Optical and thermoelectric properties of nano-particles based Bi2(Te1-xSex)3 thin films, Superlattices and Microstructures 101 (2017) 609-624, A. M. Adam, E. Lilov, P. Petkov.** 9. **Characterization and optical properties of bismuth chalcogenide films prepared by pulsed laser deposition technique, Materials Science in Semiconductor Processing, 57 (2017) 210–219. A. M. Adam, E. Lilov, V. Lilova, P. Petkov** |
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| **Oral Presentations in Conferences** |  | | * **Vth international crystallographic symposium, Sofia, Bulgaria September 2014.** * **Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, Sozoplol, Bulgaria June 2014.** * **The second conference of young researchers of Sohag University. Sohag, EGYPT (2011).** * **Third conference of young researchers of Sohag University. Sohag, EGYPT (2012).** * **The second international conference on new horizons in basic and applied science, Hurghada, Egypt, 1-6 Auguist 2015.** | |
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| **Posters** |  | | * **Intensive school on conservation science, Izmit, Turkey, May 2014** * **Intensive school on conservation science, Seville, Spain, June 2014** * **vth international crystallographic symposium, Sofia, Bulgaria September 2014** * **XII scientific poster session for young scientists, doctoral and full-time students, May, 22-nd, 2015, UCTM – Sofia, Bulgaria** * **Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, 29 May– 6 June 2014, Sozoplol, Bulgaria** * **1st scientific day of faculty of science, April 20, 2016, Sohag, Egypt** | |
| **Honours and awards** |  | | * **Certificate of appreciation and the shield of the Egyptian Syndicate of Scientific Professions for ranking the second of my class (Physics) in 2012.** * **Erasmus Mundus international student's mobility research scholarship supported by the European Commission under the project MEDASTAR (Mediterranean Area for Science, Technology and Research), 2013.** * **First class honor degree (MSc, Physics, 2011).** * **Open international grant competition of National University of Science and technology July, 2016** | |