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***Personal Information:***

***Name : Alzahraa Ali Ahmed AbdElmoula.***

***Date of Birth: November.17, 1979***

***Nationality: Egyptian.***

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***Address: Physics Dept, Faculty of Science, Sohag University***

***Marital status: married .***

***Sex:| Female***

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***Job: Lecturer in physics department, Faculty of Science , Sohag University.***

***Education:***

***B. Sc. in physics, Very good degree (Jun 2001), Physics department, Sohag university, Egypt.***

***M. Sc. in Solid State Physics, Plasma Applications (Jun 2009), Physics Department, Faculty of Science, Sohag University, Egypt.***

***Ph.D. in Physics, plasma applications, (November 2014), Physics Department, Faculty of Science, Sohag University, Egypt.***

***Employment record***

***(1) February 2015 - present: Full time lecturer, Physics Department, Faculty of Science, Sohag University, Egypt.***

***(2) August 2011- present: Analyst in Plasma Applications Laboratory, Faculty of Science, Sohag University, Egypt. This lab has been accredited according to the requirements of ISO/EC 17025 in June 2013.***

***(3) 2009 –October 2014: Lecturer Assistant, Department of Physics, Faculty of Science, South Valley University, Egypt.***

***(4) 2002 –May 2009: Demonstrator, Department of Physics, Faculty of Science, South Valley University, Egypt***

***Research Experience:***

***Dr. Alzahraa Ali AbdElmoula has an extensive experience in optical and electrical properties of the thin films were investigated by UV–VIS spectrophotometer.***

***The reseacher has skillful in using thin film preparation by DC magnetron sputtering technique and she has an experince in tribological properties of ceramic materials such as hardness measurments, roughness, wear resistance and electrochemical properties (corrossion resistance).***

***Training***

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| --- | --- | --- | --- | --- | --- |
| ***S/N*** | | ***Training Subject*** | ***Period*** | | ***Training Provider*** |
| ***From*** | ***To*** |
| ***1*** | | ***Image analyzer*** | ***25-2-2012*** | ***28-2-2012*** | ***OPTOSCIENT LTD*** |
| ***2*** | | ***Surface Roughness Measurements*** | ***11-7-2011*** | ***13-7-2011*** | ***NIS*** |
| ***3*** | | ***Validation of test methods*** | ***21-6-2011*** | ***23-6-2011*** | ***Target Lab Systems*** |
| ***4*** | | ***Internal Audit – ISO 17025:2005*** | ***24-5- 2011*** | ***26-5-2011*** | ***Target Lab Systems*** |
| ***5*** | | ***QC in testing laboratories*** | ***5-12-2010*** | ***5-12-2010*** | ***Target Lab Systems*** |
| ***6*** | | ***Estimation of Measurement uncertainty*** | ***4-12-2010*** | ***4-12-2010*** | ***Target Lab Systems*** |
| ***7*** | | ***Basic Statistics for testing laboratories*** | ***1-11-2010*** | ***2-11-2010*** | ***Target Lab Systems*** |
| ***8*** | ***Awareness ISO 17025:2005*** | | ***18-8-2010*** | ***19-8-2010*** | ***Target Lab Systems*** |
| ***9*** | ***"Teaching Assistant program "***   * ***Typing*** * ***Basic concepts of IT*** * ***Using Computer and Managing Files*** * ***Word Processing*** * ***Spreadsheets*** * ***Introduction to PC Maintenance and Protection*** | | ***19-7-2007*** | ***20-8-2007*** | ***Central Unit Of ICT***  ***Training (CUICTT)*** |
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***Publications , Conferences and Workshops :***

1. ***Effect of Plasma Surface Treatment on AISI 316LStainless Steel for In-Core Applications of Nuclear Reactors, F. M. El-Hossary , S. U. El-kameesy , M. M. Eissa , Al-Zahraa A. Abd Elmula , Aly Saeed4 , Samah A. Al-Shelkamy, Proceedings of 4th International Conference on Energy Engineering Faculty of Energy Engineering - Aswan University -Aswan - Egypt December 26-28, 2017***
2. ***The seconed Annual Science Day-Faculty of Science-Sohag University,20 April,2017,Faculty of Science,sohag University.***
3. ***The first Annual Science Day-Faculty of Science-Sohag University,20 April,2016,Faculty of Science, sohag University.***
4. ***Tribo-mechanical and electrochemical properties of plasma nitriding titanium, F.M. El-Hossary, N.Z. Negma, A.M. Abd El-Rahman, M. Raaif , A.A. Seleem, A.A. Abd El-Moula, Surface & Coatings Technology 276 (2015) 658–667.***
5. ***Properties of titanium oxynitride prepared by RF plasma, F. M. El-Hossary, N.Z. Negm, A. M. Abd El-Rahman, M. Raaif and A. A. Abd Elmoula, Advances in Chemical Engineering and Science, 2015, 5,1-14.***
6. ***3rd International Conference on Advanced Materials and Their Applications, 11-13 January 2015.***
7. ***Materials Science workshop II, 23-25 March 2009, Sohag, Egypt .***
8. ***Materials Science workshop I, 18-20 November 2008, Sohag, Egypt.***

***Projects:***

1. ***Jun 2013-2017, Member of the Working Group for the accreditation of the Plasma Applications Laboratory and the qualification for international accreditation, It has been adopted by the National Accrediting Council and has been evaluated according to the international standard ISO/IEC 17025:2005 in microhardness tester, the surface roughness tester and oscillating ball- on- disk type tribometer wear tester.***
2. ***July 2012-2015, member of the project team under title "Plasma technology for biomedical application", project ID “STDF:3894”, Funded by Science and Technology Development Fund, Eygypt.***
3. ***April 2010-April 2012 , member of the executive team work of the project under title “‘improvement of the plasma applications laboratory at Sohag University for international accreditation’ (LP3-007-SOH), funded by Higher Education Institutes Labs Certification Project, Egyptian Ministry of Higher Education.***
4. ***Member in an academic project TEMPUS, JEP-32064-2004, "Introduction New & Up-dating Courses of Materials Science" in Physics Department, Sohag, Egypt.***