

**Prof. Anas Malek El-Sherif**  
**+201022320100 - +20127902824**  
**anas.elsherif@eae-sc.com**

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### **I. Personal Data**

Date of Birth: 5<sup>th</sup> of October 1968  
Nationality: Egyptian  
Religion: Moslem  
Military Status: Exempted  
Marital Status: Married and has two daughters



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### **II. Education**

**Bachelor of Science, Geology and Geophysics - May 1989**  
Faculty of Science, Ain Shams University, Very Good.

### **III. Professional Certificates & Diplomas:**

- Pre-master courses of Science in Geology (Mineralogy and Petrology Section), Faculty of Science, Menoufia University, 1995.
- Master degree of Science, (M.Sc.) in Geology, Faculty of Science, Menoufia University, 1998. Thesis title: "Mineralogy, geochemistry and radioactivity of Gabal Tarbush El-Masiri, Eastern Desert, Egypt". 159p.
- Doctor of Philosophy degree of Science, (Ph.D), in Geology, Faculty of Science, Ain Shams University, 2005. Thesis title: "Geology, geochemistry and radioactivity of the basement rocks, Wadi El-Ghozah area, Eastern Desert, Egypt". 218p.

### **IV. Career Objectives**

Seeking a challenging position in X-ray fluorescence field, whereby I can further develop my experience and acquire relevant skills to pursue a career in my area of interest.

### **V. Work Experience**

**Professor of Geochemistry** **Aug., 2016 - Now**  
**Nuclear Materials Authority**

**Responsible for:**

- Head of Minerals Dept., Research Division, NMA.
- Supervisor of Ph.D. Theses.
- Supervisor of M.Sc. Theses.

**Assistant Professor of Geochemistry** **March, 2011 - Aug., 2016**  
**Nuclear Materials Authority**

**Responsible for:**

- Supervisor of Ph.D. Theses.

- Supervisor of M.Sc. Theses.
- X-ray Fluorescence Lab.
- Sharing in the development of X-ray Fluorescence Lab to improve the obtained analysis.
- Sharing in finishing the chemical analyses of many internal reports, M.Sc. and Ph.D. Theses as well as scientific papers.
- Training many undergraduate students in the XRF technique in their summer training period at NMA.
- Training many specialists of another authorities, research centers and Universities from Egypt and Arab Countries.

**Lecturer of Geochemistry** **Nov., 2005 – March, 2011**

**Nuclear Materials Authority**

**Responsible for:**

- Internal supervisor of Ph.D. Theses.
- Internal supervisor of M.Sc. Theses.
- X-ray Fluorescence Lab.
- Supervisor of Water's Analysis Lab. of Mineralogy Dept. from 2007 to 2009.

**Assistant Lecturer of Geochemistry** **Jan., 1999 – Nov., 2005**

**Nuclear Materials Authority**

**Responsible for:**

- X-ray Fluorescence Lab.

**Demonstrator of Geochemistry** **Jan., 1996 – Jan., 1999**

**Nuclear Materials Authority**

**Responsible for:**

- X-ray Fluorescence Lab.

**Geologist** **March., 1991 – Jan., 1996**

**Nuclear Materials Authority**

**Responsible for:**

- X-ray Fluorescence Lab.

## **VI. Courses taken and Workshops**

- X-ray fluorescence (XRF) course at Philips, Almelo, The Netherlands, 1998.
- Workshop in Applications of X-ray fluorescence in Industry and Research, organized by The Egyptian Society of Crystallography and Its Application (ESCA) and Panalytical BV., Ain Shams Univ., Egypt, 2007.
- Workshop in Uses of X-ray fluorescence and diffraction in the different of the scientific research, organized by Bruker EXS International, Meridian Heliopolis Hotel, 2010.

- Workshop in macro-molecular structure of biological and non-biological materials, organized by The Egyptian Society of Crystallography and Its Application (ESCA) and Panalytical BV., Azur Hotel, Hurghada, Egypt, 2012.

### VII. Memberships (Affiliations)

- The Geological Society of Egypt.
- The Mineralogical Society of Egypt.
- The Egyptian Society of Crystallography.
- The Egyptian Syndicate of Scientific Professions.
- The Scientific Society of Nuclear Materials Authority.
- General Secretary of the Scientific Society of Nuclear Materials Authority. (By Elections).
- Publishing Committee Member of The Nuclear Sciences Scientific Journal.
- Board member of the Teaching Board's Club of The Atomic Energy Authority (By Elections).

### VIII. Experiences

- Member of X-ray Fluorescence Lab., Minerals Department from 10/ 1990.
- Supervisor of Water's Analysis Lab. of Minerals Dept. from 2007 to 2009.
- Supervisor of X-ray Fluorescence Lab. of Minerals Dept. from 2015.
- Head of Minerals Dept., Research Division from 2017.
- Sharing in the development of the X-ray fluorescence unit to improve the obtained analysis.
- Sharing in finishing the chemical analyses of many internal reports, M.Sc. and Ph.D. Theses as well as scientific papers.
- Sharing in the trace elements analysis and the geochemical studies of all of the national scientific projects.
- Sharing in many conferences and workshops in X-ray fluorescence analysis in Egypt and abroad.
- Training many undergraduate students in the XRF technique in their summer training period.
- Training many specialists of another authorities, research centers and universities from Egypt and Arab Countries.
- Sharing in increasing the financial resources of the Authority's Research Financing Fund by XRF analysis of the samples belonging to researchers from another scientific research centers and universities as well as commercial companies.

## **IX. Memberships (Affiliations)**

- 1- The Geological Society of Egypt.
- 2- The Mineralogical Society of Egypt.
- 3- The Egyptian Society of Crystallography.
- 4- The Egyptian Syndicate of Scientific Professions.
- 5- The Atomic Energy Authority Staff Club (Board Member).
- 6- The Scientific Society of Nuclear Materials Authority (Board Member).
- 7- The Egyptian Society of Radiation Technology.
- 8- The Egyptian Society of Sedimentology.

## **X. Thesis Supervision**

### **1. M.Sc. Theses:**

1.1. Candidate Name: Mahmoud Othman Abdel Maguid Mekhemar  
Title: "Removal of U(VI) and Th(IV) From Their Aqueous Solutions Using Different Chelating Resins".  
Status: Awarded, 2008  
University: Faculty of Science, Menoufia University

1.2. Candidate Name: Fayrouz Atef Salem  
Title: "Petrography, Mineralogy and Geochemistry of The Granitic Rocks, in The Area of Wadi Safaga-North of Gabal Um El-Huwaytat, Central Eastern Desert, Egypt".  
Status: Awarded, 2011  
University: Faculty of Science, Menoufia University

1.3. Candidate Name: Mohamed Hussien El-Werdany  
Title: "Geology and Possibility of Radioactive Mineralizations, Abu Aggag Area, Southeast Aswan, Egypt".  
Status: Under Awarded  
University: Faculty of Science, Menoufia University

1.4. Candidate Name: Atia Rabea Atia Mohamed  
Title: "Geological and Geochemical Exploration for Rare Metals, Wadi Wizr-Gebel El-Delihimi Area, Central Eastern Desert, Egypt".  
Status: Under Preparation  
University: Faculty of Science, Al-Azhar University

### **2. Ph.D. Theses:**

2.1. Candidate Name: Khaled El-Hussieny Mohamed Saleh  
Title: "Thermoelectrical Reduction of Ilmenite Ore".  
Status: Awarded, 2010  
University: African Studies and Researches Institute, Cairo University.

2.2. Candidate Name: Doaa Anwar Mostafa

Title: "Effect of The Mineralogical Composition and Geochemical Characteristics on The Radioactivity of Various Basement Rocks at Gabal El-Dob Area, Northern Eastern Desert, Egypt".

Status: Under Awarded

University: Faculty of Science, Tanta University

2.3. Candidate Name: Hamada Megally Ghanem Taher El-Oany

Title: "Geological and Geochemical Studies on Some Mineral Deposits and Their Associated Host Rocks, Wadi Khashir-Gabal Ras El-Kharit, South Eastern Desert, Egypt".

Status: Under Preparation

University: Faculty of Science, Al-Azhar University

### **XI. NMA Projects Sharing Reports**

1. Geochemical evaluation for trace elements associated with Abu Rusheid cataclastic rocks, South Eastern Desert, Egypt. (2008).
2. Geochemical isoconcentration contour maps for some trace elements associated with low-grade sandstone type uranium deposit, Wadi Skait, South Eastern Desert, Egypt. (2010).
3. Uranium potentiality of Abu Rusheid area, South Eastern Desert, Egypt. (2010).
4. Uranium reserve evaluation and rare metals of Abu Rusheid area, South Eastern Desert, Egypt. (2011).
5. Uranium showings deep trenches in El-Sela area, South Eastern Desert, Egypt. (2012).
6. Gabal El-Missikat Development Project. (2012).
7. Uranium mineralization and estimation of mineral resources in the cataclastic rocks of Abu Rusheid area, South Eastern Desert, Egypt. (2012).
8. Mineral resources estimations in the cataclastic rocks of Abu Rusheid area, South Eastern Desert, Egypt. (2013).
9. Gabal El-Missikat Uranium Prospect Development Project. (2013).
10. Uranium prospecting in Bir Safsaf-Atmur El Kibeish-Nusab El Balgum area, South Western Desert, Egypt. (2014).
11. El-Missikat- El-Erediya Uranium Development Project: El-Erediya area. (2014).
12. Development of a new uranium and thorium occurrence to the south of Wadi Abu Hadieda. (2015).

### **XII. List of Publications**

1. Bishady, A.M., Abdel Monem, A.A., Attawiya, M.Y. and El-Sherif, A.M., 1998. Petrographical, geochemical and radioactivity studies on Gabal Tarbush El-Masiri

area, northern Eastern Desert, Egypt. *Al-Azhar Bull. Sci.*, 9 (2), 325-353.

2. **Hilmy, M.E., Abdel Monem, A.A., Attawiya, M.Y., Moussa, E.M. and El-Sherif, A.M., 2004.** Geochemistry and petrogenesis of metavolcanics, Gabal Abu El-Hassan El-Ahmar-Wadi El-Ghozah area, North Eastern Desert, Egypt. 6<sup>th</sup> International Conference on Geochemistry, Alexandria Univ., Egypt, 607-628.
3. **Saleh, G.M., Oraby, F., Abu El-Hassan, E.A., Azab, M.S., Darwish, M.E., Mansour, G.M., Rashid, M.A. and El-Sherif, A.M., 2007.** Um Khors alkaline volcanics, Central Eastern Desert, Egypt: geochemical constraints, spectrometric prospecting and mineralization. The 10<sup>th</sup> International Mining, Petroleum and Metallurgical Engineering Conference, Fac. Eng., Assiut Univ., Egypt, 185-204.
4. **Hammad, M.A., Hussein, M.A., Darwish, M.E., El-Sherif, A.M. and Khalaf, M.A., 2008.** Contributions to physico-chemical characteristics of soils from South Sinai Peninsula, Egypt. *Sci. Jour. Fac. Sci. Minoufiya Univ.*, XXII, 75-111.
5. **Ammar, F.A., Haroun, Y.S., El-Sherif, A.M. and El-Sawey, E.H., 2009.** Characterization of Gabal El-Harra radioactive anomaly, Northwestern Desert, Egypt. *Sediment. Egy.*, 17, 227-244.
6. **Donia, A.M., Atia, A.A., Moussa, E.M., El-Sherif, A.M. and Abd El-Magied, M.O., 2009.** Removal of uranium (VI) from aqueous solutions using glycidyl methacrylate chelating resins. *Hydrometallurgy*, 95, 183-189.
7. **Emam, A.A., Moghazy, N.M. and El-Sherif, A.M., 2009.** Geochemistry, petrogenesis and radioactivity of El-Hudi I-type younger granites, South Eastern Desert, Egypt. *Arab. Jour. Geosci.*, (In Press).
8. **Raslan, M.F., Ammar, F.A., El-Shami, A.S. and El-Sherif, A.M., 2010.** Mineralogy of radioactive gibbsite bearing sediments from the Um Karasy area, Southwestern Sinai, Egypt. *Sediment. Egy.*, 18, 45-56.
9. **El-Sherif, A.M., 2013.** Mineralogical characterization of the alteration facies at Gabal El-Missikat area, Central Eastern Desert, Egypt. *Nucl. Sci. Scient. Jour.*, 2, 1-21.
10. **Mansour, G.M., Abu Diab, A.A. and El-Sherif, A.M., 2014.** Mineralogy and radioactivity of Wadi Hangaliya stream sediments, South Eastern Desert of Egypt. *Nucl. Sci. Scient. Jour.*, 5, (In Press).
11. **Sadek, A.A., Abbas, A.A. and El-Sherif, A.M., 2015.** Natural radioactivity measurements in local and imported commercial granites used as ornamental stones., *Nucl. Sci. Scient. Jour.*, 4, 37-45.
12. **Saleh, G.M., Kamar, M.S., Rashed, M.A. and El-Sherif, A.M., 2015.** Uranium

mineralization and spectrometric prospecting along trenches of Um Safi area, Central Eastern Desert of Egypt. Geoinfor. Geostat.: An Overview, 3:1.

13. **Khaleal, F.M., Kamar, M.S. and El-Sherif, A.M., 2015.** Geology, geochemistry and radioactivity of the monzogranite rocks, North Wadi Ghadir, South Eastern Desert, Egypt. Nucl. Sci. Scient. Jour., 5. (In Press).
14. **Bishady, A.M., El-Sherif, A.M. and Darwish, M.E., 2016.** Petrological and geochemical constraints on the evolution of El-Kahfa alkaline ring complex, South Eastern Desert, Egypt. Jour. Geol. Res. Eng., 6, 283-304.
15. **El-Afandy, A.H., Fawzy, Kh.M. and El-Sherif, A.M., 2016.** Geochemical contributions to REE's bearing pegmatites within the Kadabora granites, Central Eastern Desert, Egypt. Nucl. Sci. Scient. Jour. (In Press)
16. **El-Sherif, A.M., 2016.** Contributions to the chemical modeling of some granitic masses in the Central Eastern Desert, Egypt. Al-Azhar Bull. Sci., (In Press)
17. **El-Sherif, A.M., 2016.** Mineralogical and radioactive characterization of Gabal El-Urf pegmatites, Central Eastern Desert, Egypt. Al-Azhar Bull. Sci., (In Press)