

## **Curriculum Vitae of Prof. Dr. Ayman**

### **Mohamed Mahmoud Al Temamy**

**Senior geophysist:** (2005 –present)

**Dept. Geophysical exploration- Desert Research Center  
(D.R.C)**

**Address:** 1 Mathaf El Matarya St., Cairo, Egypt. P.O. Box 11753

**E- mail:** [aymanaltemamy@hotmail.com](mailto:aymanaltemamy@hotmail.com)

**Fax:** (+202) 26357858 **Tel (W):** (+202) 26335519

**Tel. (H):** (+202) 21821944 **Mobil :** +2 011448537- +2 01017204792

**Whatsapp** +201144853778

**Date of Birth :** 2/5/1967

**Martial State** Married (three children)

**Present occupation :** Head of-Geophysics Department, Desert  
research center.



### **Research Intrests:**

- 1- Groundwater exploration, aquifers and well logging evaluation and treatment of Environmental and engineering problems using different Geophysical techniques.
- 2- having a good experience in the field data acquisition, and interpretation of mineral exploration especially, gold as Time domain induced polarization (IP) (1D,2D&3D) , spontaneous potential (SP), electromagnetic and Magnetic techniques

### **Language :**

1-Arabic : mother tongue

2-English: very good (reading , writing and listening)

**Major specialization** Geophysics

**Minor specialization      Hydro-Enginerring and Environmental geophysics ( Geoelectric, Seismic, Mgnetic, Well logging and electromagnetic)**

**Educational Qualifications:**

**Ph.D (2005) in geophysics   Fac. of Science, Ain Shams Univ.**

**Ph. D Thesis"Geophysical studies on the groundwater resources in the area of Wadi Al-Hawashiya, Gulf of Suez, Eastern Desert, Egypt."**

**M.Sc. (2000) in geophysics, Fac of Sci. Ain Shams Univ.**

**Master Thesis“Geophysical Studies on the groundwater occurrence in Wadi Gharandal and its tributaries, southwestern Sinai, Egypt”**

**B.Sc. (1988) in geology, with grade very good, Fac. of   Sci. Tanta Univ.**

**Occupational graduation:**

**2023 to now Vice Dean of Water Resources and Desert Land Division –Desert Research Centr**

**2019-to 2023   Head of Geophysical Exploration Departement –Desert Research Center**

**2016 to now   professor of Geophysics, Geophysics, Dept. Desert   Research Center**

**2011-2016   Associate professor of Geophysics, Geophysics, Dept. Desert Center**

**2005 -2011 : A researcher in Geophysical exploration   Dept., Desert Research Center**

**2001-2005 :   Assistant Researcher, Geophysics Dept.- (D.R.C)**

**1996-2001 :   Geophysical specialist, Geophysical exploration   Dept., Desert Research Center (D.R.C), Cairo.**

**1995-1996:   Hydrogeologist in Water Resources Development Institute - National Water Research Center**

**1994-1995:   Well site geologists in the general company for groundwater researches (Regwa company).**

**Professional memberships:- - Egyptian Geophysical Society (EGS)**

- Egyptian Society of Applied Petrophysics (ESAP)
- Egyptian Geological Society (EGS)
- Member of the permanent scientific committee for water resources for professor and assistant professor promotions from Feb 2022- Janu.2025
- Member and Vice reporter of the permanent scientific committee for water resources for professor and assistant professor promotions from Feb.2025- up till now.

### **Scholarships and Scientific Mission:**

Post Docor in Western Michigan Univ, (USA) from 2008-2009

### **Experience:**

1-Having a good experience as well site geologist in the field of drilling wells and preparation of technical reports

2-Planing, supervising and participating research teams of geophysical exploration for groundwater in different areas in Egypt (West and east Nile Delta, Western and Eastern Desert, Sinai and Nile valley)

National project (2000 – 2003), Halayib and Shalateen

-National project (2000 – 2003), Wadi El-Hawashya, Red Sea

- Many Private projects in DRC (1996 – until now).

-National project of Development of Shalatin area (2003).

-Acsaad project for the Development of Wadi Halk El Dabaa-North Western coast (2009-2012)

-STDF project for installation of low coast village, productive and a companion for environment (2014 to now)

3-I have a good experience in the field of geophysical data acquisition

(Geoelectrical Resistivity, SP, IP, land magnetic, well logging, shallow seismic and electromagnetic).

Analysis, processing and interpretation of the acquired geophysical data using computer programs.

4-Evaluation of the groundwater aquifers using Well logging data

**5- Full Acquaintance with solving the environmental and engineering problems as well as hydrogeologic evaluation.**

**6- Preparing and writing technical and research reports.**

**7- Supervising , acquisition , interpretation and reporting geophysical data concerned with mineral exploration especially, gold.**

**8- Teaching and training experiences:**

**Teaching geophysical techniques applied in groundwater exploration for Egyptian and foreigner trainers who are concerned with land reclamation within the training courses conducted by the Geophysical Exploration Department in DRC.**

#### **Academic supervision:**

**Supervising many M.Sc. and Ph.D thesis's.**

#### **Current Intrestes:**

**In addition to my interests to groundwater exploration , evaluation and solving environmental and engenering problems I also have interesets concerned with Supervising acusion , interpretation and reporting data concerned with Gold exploration: as follows**

**-Participating in Magnetic field data acquisition ,Interpretation and Reporting in A pilot area in Malogreen Concession –South Shalaten- Egypt, presented for United Company.**

**-Supervising the Team work who carried out Geophysical survey (magnetic, Induced Polarization and Radiation measurements) In Umm Sammra area located along Mersa Alam-Idfu road, South Eastern Desert, Egypt , presented for Lotus Gold company.**

#### **List of publication :-**

***Ellatief, A.Talat, Youssef M.A.Ahmed, Mousa M.Mousa and Al Temamy M.M.Ayman (2002):"Geoseismic estimation of geotechnical parameters to test***

proposed sites for dam construction in Wadi Gharandal, Southwest Sinai, Egypt", *The third international conference for groundwater level control (2002), Faculty of Engineering, El-Mansoura Univ., pp. 1-20.*

**T.A. Aggour and A. M. Al Temamy (2003): "The geomorphologic and geologic role in the groundwater occurrence and development, Wadi Gharandal basin, Southwest Sinai, Egypt", *Annals Geol. Surv. Egypt, Vol. XXV, pp. 513-534***

**Ahmed M.A. Youssef, Talaat A. Abdellatief, Salah El din Mousa and Ayman M.M. Al Temamy (2004): "Geoelectrical survey to delineate the extension of the water bearing formations in Wadi Gharandal, southwest Sinai, Egypt", *Egyptian Geophysical Society, EGS Journal, Vol. 2, No. 1, pp. 75-84 (2004).***

**Ahmed M.A. Youssef, A. Mabrouk, Mahdy M. Abdel Rahman, Salah El din Mousa and Ayman M.M. Al Temamy (2006): "Exploration of the groundwater resources using geoelectrical techniques in the Delta of Wadi Al Hawashiya, Gulf of Suez, Eastern Desert, Egypt" *Proc. 4<sup>th</sup> International Symposium on geophysics. Tanta, Egypt, pp. 72-91***

**Metwally. S.M and Al Temamy .A. M, (2007) "Geoelectrical Investigation On The Groundwater Potentialities, Delta Wadi Babaa, South Abu Zenama, Gulf Of Suez, Sinai." *Bull. Fac. of Science. Mansoura Univ. Vol. 34(2). pp. 1-23***

**T.A. Abdel Latief and A.M. M. Al Temamy (2008) "Study about the impact of groundwater discharge on the brackish-saline interface using two-dimensional resistivity imaging in the delta of Wadi Sudr, Western Sinai, Egypt" *Egyptian J., Desert Res. 58, No. 1, pp. 1-17***

**Ayman M.M. Al Temamy (2008): "Geophysical exploration of groundwater occurrence in the area between the outlets of Wadi El-Rahaba and Wadi Hoddein, Shalatiya, South Eastern Desert, Egypt", *Proc. 5<sup>th</sup> International Symposium on geophysics. Tanta, Egypt, pp. 54-72***

**Ayman M. M. Al Temamy (2008)" Determination of the petrophysical properties of Taref sandstone aquifer in Bir El-Shab area, South Western Desert using well logging data" " J. Appl. Geophys., vol 7. No.2, pp117-131.**

**Ayman M. M. Al Temamy, Mohamed A. Khaled and Mostafa S. M. Barseem (2009): "Use of geoelectrical techniques to determine the impact of facies changes on groundwater potentials and water logging in the area South of Lake Manzala, East Nile Delta, Egypt" J., Desert Res. 2009**

**Ayman M. Al Temamy and William A. Sauck 2010" "Exploration of the groundwater aquifers in the downstream of Wadi Abu Ghoson, South Eastern Desert, Red Sea , Egypt, using geophysical techniques" J. Appl. Geophys., vol 7. No.2, pp 131-149.**

**A.M.M. Al Temamy and M.S.M. Barseem, 2010 " Structural impact on the groundwater occurrence in the Nubia sandstone aquifer using geomagnetic and geoelectrical techniques , Northwest Bir Tarfawi, East El Oweinat area, Western Desert". EGS Journal, vol.8, No.1, pp 47-63.**

**Ayman M. M. Al Temamy 2009. "Groundwater Resources and Potential in Wadi Garawi, East El Teben, Eastern Desert, Egypt: Inferences from Geoelectrical Investigations", EGS Journal, vol.8, No.1, pp 64-79.**

**A.M.M. Al Temamy, M.S. Barseem and S.U. Ghoubach (2010): "Evaluation of the Nubian Sandstone aquifer using geophysical and hydrogeological tools in the East of El-Dakhla Oassis, Western Desert, Egypt" J. Applied geophysics, vol 8. No.2**

***Al Abaseiry, A. Abdel Rahman , Ayman M. Al Temamy and Mostafa, S. Barseem (2011) " Exploring the groundwater resources using geoelectrical techniques for the development of the area of Wadi Lahmi, Southeast of the Eastern Desert, Egypt" J. Appl. Geophys., vol 10. No.2, Sept. 2011, p219-235***

**A. A. Abdel Rahman and A. M. Al Temamy (2013): "Contribution of the geologic setting on exploring and occurrence of groundwater , using Geoelectrical techniques in Wadi Morra, South Sinai, Egypt " EGS Journal, vol11, No.1**

**4.8 Mostafa S. M. Barseem, Ayman M. Al Temamy and Milad H.Z. Masoud(2013): "Hydrogeophysical Evaluation of water occurrences in El Negila area, Northwestern coastal zone – Egypt" Journal of Applied Sciences Research, 9(4): 3244-3262**

**Khaled, M.A., Yousef , A.M. and AL Temamy, A.M.(2015): "Structural impact of the Tertiary basalt setting on the groundwater aquifers using geophysical techniques in the area west Cairo-Alex. Desert highway between the km 42 and 52" EGS Journal, vol.15, No.1**

**Ayman M.M. AlTemamy and Usama A. Abu Risha, (2016): "Groundwater interaction and potential inferred from geoelectrical and hydrogeological techniques in the Desert fringes of Abu Qurqas area, El Menia, West Nile, Egypt" Egyptian jour. of Geology, Vol. 60, p. 75-95**

**Al Temamy, A. M.M. (2016) "A geophysical contribution to delineate the geological structures controlling the aquifers relations in the area between Bir El Shab and East El Oweinat South Western Desert Egypt", Egy. J. Applied Geophysics, Vol. 15, No.1, 69-96**

**Fardous M. Z, Karam S.I. Farag, Ayman M. Al Temam, Mohamed A. Mabrouk, Ahmed M.A. Yousse, and Salah A. Mousa(2016): "Imaging subsurface water-bearing zones within the fractured carbonate rocks at El Salloum basin – Northwestern coast–Egypt using very low frequency electromagnetic surveying technique", Egy. J. of Applied Geophysics, Vol. 15, No.1, 197-215**

**A. M.M Al Temamy and S. M. Meselhy(2016): Groundwater monitoring and mangement using geoelectrical and hydrological techniques in some parts of El Bostan area, Western part of the Delta" *Assiut Univ. Jour. of Geology* 45(1), p-p35-65**

**Mohamed a. Khaled, Ayman M. Al Tamamy, Mostafa S. Barseem, Ahmed N. El Sayed and El Sayed A. El Abed (April 2016):"Geoelectrical and hydrogeological study to delineate the geological structures affecting the groundwater occurrence in Wadi El Khariq Basin, Northwest El Maghara, north Sinai, Egypt" *Arabian Jour. Of Geosciences* 9: 271. doi:10.1007/s12517-015-2286-5**

**U. A· Abu Risha and A. M.M Al Temamy(2016): " Comparative study of the factors controllng the groundwater occurrence in Bir Kiseiba and Bir El Shab areas, south Western Desert, Egypt using hydrogeological and geophysical techniques" under press" *Jour. of African Earth Sciences* 117 (2016) 183-195**

**Zenhom E.Salem, A.M.Al Temamy, Mohamed K.Salah and .M.Kassab (2016):" Origin and characteristics of brackish groundwater in Abu Madi coastal area, Northern Nile Delta, Egypt " *Estuarine coastal and shelf science Jour*,volume 178, p 21-35**

***Fardous M. Zarif, Lee Slater, Mohamed Mabrouk, Ahmed Youssef, Ayman Al Temamy Salah A. Mousa Karam Farag and Judy Robinson (2018):"Groundwater resources evaluation in calcareous limestone using geoelectrical and VLF-EM surveys(El Salloum Basin Egypt" *Hydrogeology Journal* 1-19***

***Mohamed Z. Twfik, Fardous M. Zarif, A. Massoud and Ayman M. Al Temamy, (2021): "Determination The petrophysical and Natural Radioactivity properties of Nubian Sandstone Aquifer at the Area of Northwest El Ain Village , Sharq El-Oweinat Area, Southwestern Desert, Egypt", *Asian Journal of Environment and Ecology*, 15(4), pp 37-55***

**Mohamed K Salah, Ibrahim M Salama, Zenhom E Salem, Ayman, M, Al Temamy and M.M. El Osta(2022): “ Petrophysical characterization of the**



**Bahariya Oasis Nubian Sandstone Aquifer Using Geophysical Well logging”,  
Bulletin of Engineering geology and the Environment, 81, 296, part of Springer  
Nature.**

**B. Published chapters**

**Salem ZE, Al Temamy AM, Salah MK, Kassab M (2018) Evaluation of  
water resources qualities for agriculture irrigation in abu madi area,  
northern Middle Nile Delta. In: The Handbook of Environmental  
Chemistry (Conventional Water Resources and Agricultural in Egypt,  
2019). Springer, Berlin, Heidelberg. ISBN 978-3-319-95065-5**

**C-Published Books**

**Salah MK, Al Temamy A, Salem ZE (2016) Joint evaluation of  
groundwater occurrences in Abu Madi coastal area. Lambert  
Academic Publishing**