



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



Prof. Dr. Ahmed Moustafa El-Sayed Abd El-Gawad

Professor of Applied Geophysics, Department of Geophysics
Faculty of Science Ain Shams University-11566, Cairo -Egypt

EDUCATION:

1983 - 1987: Ain Shams University, Cairo, Egypt, Special Geology (B.Sc. Distinction with Excellent honor degree)

Graduated Courses for M.S. degree:

1987 – 1988 : Ain Shams University, Cairo, Egypt

*Applied topics, * Potential Field Method * Gravity methods, Magnetic methods, Geoelectrical methods, Basin of deposition, Geophysical field measurements & statistics, Basement rocks, Potential field theory, structural geology and geotectonic

1988-1992 :, Master degree, titled: An integrative electrical resistivity shallow Seismic refraction study for delineating the water occurrences in the south of Cairo Area, Egypt. Ain Shams University.

1992-1998 : Ph.D. titled: Shallow geophysical exploration for defining the water Occurrences in the area east of the Nile Delta, Egypt. (Channel System between Egypt (Ain Shams University) and Austria (Leoben University)

Supplemental courses:

1995 : Six months integrated training Course in Computer Sciences Includes Programming by basic, visual basic, C++, FORTRAN, System analysis, System design, networks, Statistics.....etc.

Professional employment and experience:



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



Professional employment

1987-1992: *Demonstrator* in Geophysics Department Faculty of Science, Ain Shams University, Cairo, Egypt

1992-1998: *Lecturer Assistant* in Geophysics Department Faculty of Science, Ain Shams University, Cairo, Egypt

1998-2007: *Lecturer* in Geophysics Department Faculty of Science, Ain Shams University, Cairo, Egypt

2007- 2021: Associate Professor in Geophysics Department Faculty of Science, Ain Shams University, Cairo, Egypt

2021-Now: Professor in Geophysics Department Faculty of Science, Ain Shams University, Cairo, Egypt

Experience:

- | | |
|-----------|--|
| 1996&1997 | Ph D. study in Leoben, Austria |
| 1998 | 6th Jordanian Conference in Amman, Jordan |
| 2001 | 3rd Internat. Conf. of Groundwater at Risk in Lisbon, Portugal. |
| 2001 | 31 Internat. conference of Hydrogeology in Munich, Germany. |
| 2002 | Post-Doctor Study in the technical University of Vienna, Austria. |
| 2006 | Internat. conference of geology United Arab Emirates. |
| 2007 | Geophysical field investigation in Sudan |
| 2010 | Three Field investigation visits in Oman |
| 2011 | Teaching Raw Material Course of cement industry in Syria |
| 2006-Now | Teaching in all Courses related to the Raw Material of cement industry |
| 2006-2012 | Consultant in the Ministry of irrigation |
| 2005-2012 | Consultant and project manager in ASCOM |
| 2012—2015 | Consultant in AMMCO, Saudi Arabia |
| 2015-Now | Head of Geological Branch, Scientific Egyptian Syndicate |

Languages:

- | | |
|---------|-------------------------------|
| Arabic | mother language. |
| English | very good verbal and writing. |

Scientific Affiliation:

- Egyptian geological Soc. (**GSE**)
- Egyptian geophysical Soc. (**EGS**)
- Egyptian sedimentary Soc. (**ESS**)
- Egyptian petrophysical Soc. (**EPS**)
- Tethys Geological Soc. (**TGS**)

SCIENTIFIC SCHOOL AND SCIENTIFIC THESES AWARDED UNDER MY DIRECT SUPERVISION



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



Thirty-Four Ph.D. and M. Sc dissertations have been accessible under my direct supervision. The terms were around the application of gravity, magnetic and electrical methods in the field of ground-water investigation, Arche-geophysical prospecting, Mineral prospecting and structural- tectonic investigations in Sinai, Nile Delta, Western Desert, and Nile Valley, Sudan.

CURRENT STUDIES:

Application of potential field methods in

- Land magnetic studies for estimating basement relief and subsurface structure in Tushka, south Egypt
- Geoelectrical groundwater prospecting in Sinai
- Mineral (Iron) prospecting in East Aswan
- Tectonic estimation
- Mining Rehabilitations

BOOKS & LECTURE NOTES:

1. Gravity Methods 1998
2. Geophysical Prospecting
3. Geophysical interpretation
4. Mining Geophysics
5. Magnetic methods
6. Principals of Electrical methods
7. Geophysical Field Measurements

List of Publications

Some Selected published papers and Reports (Updated, 2021)

- 1) Abd El Gawad, A. M. S. Landslides articulation in Wadi Hof area southeast of Cairo, Egypt, based on geological and geophysical investigations. *Environ Earth Sci* 80,195 (2021).
<https://doi.org/10.1007/s12665-021-09478-w> Online ISSN: 1866-6299
- 2) Abd El Gawad, A. M. S. Water Seepage Source at the Extension of Tourah Clay Quarry, Southeastern Cairo Based on Geological and Geoelectrical Resistivity Measurements, *Earth Sciences*. Vol. 9, No. 3, (2020), pp. 108-116.
DOI: [10.11648/j.earth.20200903.13](https://doi.org/10.11648/j.earth.20200903.13) Online ISSN: 2328-5982
- 3) Abd El Gawad, A. M. S., A.S. Helaly & M.S.E. Abd El-Latif (2018) Application of geoelectrical measurements for detecting the ground-water seepage in clay quarry at Helwan, southeastern Cairo, Egypt, *NRIAG Journal of Astronomy and Geophysics*, 7:2, 377-389.
DOI: [10.1016/j.nrjag.2018.04.003](https://doi.org/10.1016/j.nrjag.2018.04.003) Online ISSN: 2090-9977



- 4) **Abd El Gawad, A. M. S**, Adel D.M. Kotb & Galal H.G. Hussien (2017) Geoelectrical contribution for delineation the groundwater potential and subsurface structures on Tushka area, Egypt, NRIAG Journal of Astronomy and Geophysics, 6:2, 379-394.
[DOI: 10.1016/j.nrjag.2017.10.003](https://doi.org/10.1016/j.nrjag.2017.10.003) [Online ISSN: 2090-9977](#)
- 5) **Abd El Gawad, A. M. S.** and G. Hossam. Application of geoelectrical measurements to detect the ground-water seepage in limestone quarry of Helwan, southeastern Cairo, Egypt. 4th International Conference on the Geology of the Tethys, Cairo Univ., Nov. 2008, p. 141-148.
[I.S.B.N. 977-17-8794](#) [National Library and Archives, Egypt, 8729/2010](#)
- 6) **Abd El Gawad, A. M. S** and HELALY, A.S.(2017): 2D gravity modeling for tectonic regime estimation at Gindi basin and its vicinities. Egyptian Journal of Geology, Vol. 61, pp. 29-38.
[\(ISSN No.: 00221384\)](#)
- 7) **Abd El Gawad, A. M. S** and HELALY, A.S. (2017): groundwater exploration using geoelectrical resistivity around Gebel lebni, in northeast Sinai, Egypt. Annals of Geological Survey, Egypt. Vol. 34, pp. 257-274.
[\(ISSN No.: 1110-0435\)](#)
- 8) HELALY, A.S. and **Abd El Gawad, A. M. S (2017)**: Geophysical evaluation of the aquifer vulnerability and soil corrosivity using resistivity measurements within Gabal Libni area, northern Sinai, Egypt. Egyptian Journal of Geology. Vol. 61, pp. 15-28.
[\(ISSN No.: 00221384\)](#)
- 9) Adel A Othman, Abd El-Gawad, A.M.S, Tharwat H Abdel Hafeeth, Diaa Hamed, M. A. Ameen (2008): Marble exploration for cement industry applying geoelectric technique in El-Shamal area, Atbara, Sudan. Phanerozoic and Development, 16 (1): 19-41.
- 10) Abd El-Gawad, A. M. S., Abd Ellatif, T. A., Hussien, G. H. G., Abd El-Rahman M. M. A., and Kotb, A D.M. (2012): "Land magnetic studies for delineating The basement relief and sub-surface structure in Tushka, South Egypt" J. of Geology, Assuit Univ.,41(2), P-P35-65.
- 11) Mousa, S., Nigm, A., Abd El-Gawad, A.M.S., Gouda, M.A. and Khalil, I. (2015): "Identifying the Duwi Formation in Zog El-Bohar area, central Eastern Desert of Egypt using ground gamma-ray spectrometry"., E.G.S. Journal Vol. 13 (1) P-P 127-140.
- 12) Atef, H., Abd El-Gawad, A. M. S., Abdel Zaher and Farag, K.S.I. (2016): "The contribution of gravity method in geothermal exploration of southern part of the Gulf of Suez-Sinai region, Egypt"., NRIAG Journal of Astronomy and Geophysics., 5(1):173-185.
- 13) I El-Wakeel, M Abu Sinna, A El-Werr, Abd El Gawad, A.M.S., A El Batal, I Tadros (2016): 3D Seismic attributes for identification and extraction of the Cenomanian Lower Abu Roach "G" sand channel in the central part of El-Fayum, Western Desert, Egypt. Egyptian Journal of Geology, 60: 165-175
- 14) Nigm, A., Rabie. M., Abd El-Gawad, A.M.S., Mousa, S., and Khalil, I. (2017): "Delineating oil shale occurrences using magnetic and resistivity techniques at southwest of Quseur area, Eastern Desert, Egypt". EGS. Journal Vol. 15 (1) P-P 39-46.
- 15) Mahmoud A.A. Youssef, Abd El-Gawad A.M.S. & Karam S.I. Farag (2018): Iron ore prospecting based on very low frequency-electromagnetic and geoelectrical resistivity at Wadi Abu Subeira, Northeastern Aswan, South Egypt, NRIAG Journal of Astronomy and Geophysics, 7(2): 253-263.



(16) أحمد عبد النور و أحمد عبد الجواد (2019) : الجهود المبذولة للحد من المخاطر التي

تهدد المناجم والمحاجر الأثرية والغير الأثرية في مصر للاستفادة منها سياحيا. المجلة المصرية

للدراستات السياحية 18 (2), 1-19.

(17) أحمد عبد النور و أحمد عبد الجواد (2019) : إعادة تأهيل المناجم والمحاجر سياحيا في مصر مع الأخذ بالتجارب العالمية. المجلة المصرية للدراستات السياحية 18 (2), 20-40.

(18) أحمد عبد الجواد و أحمد عبد النور (2020) : التحديات التي تواجه تأهيل المناجم والمحاجر سياحيا في مصر المجلة المصرية لعلوم السياحة والضيافة (1) 27 .

(19) أحمد عبد الجواد و أحمد عبد النور (2020) : التنمية السياحية لبعض المناجم والمحاجر المصرية المجلة المصرية لعلوم السياحة والضيافة (1) 27 .

20) Mohammad Abdelsamie, Ashraf Baghdady, Tsuyoshi Adachi and Abd El Gawad, A.M.S. (2020): Assessment of mudstone from the Lower Miocene Moghra Formation as a raw material for cement industry, El-Alamein, North Western Desert, Egypt. Sedimentology of Egypt 25, 149-161.

21) Amira M. M. Al Nazer, Ahmad S. Helaly, Safaa M. Hassan and Abdel Gawad A.M.S. (2021): Lithological identification using remote sensing data: Case Study Saint Catharine area, South Sinai, Egypt (under Publication).

22) Amira M. M. Al Nazer, Ahmad S. Helaly, Safaa M. Hassan and Abdel Gawad A.M.S. (2020): Tectonic Trend Analysis and their Effect on Groundwater Characterization in Some Specific Wadies, in Saint Catherine area South Eastern Sinai, Egypt. Annals Geol. Surv. Egypt. V. XXXVIII (2020), pp (under Publication).

23) Abd El-Gawad, A.M.S. (2000): Geoelectrical study on the area south west of Wadi El-Natron, Northern Western Desert of Egypt., E.G.S. Proc. Of the 18th Ann. Meet., pp. 113-138.

24) Abd El-Gawad, A.M.S. and Helal, A.M.A. (2004): The application of Euler deconvolution technique for calculating regional magnetic depth to basement in Toshka area, south Egypt. J. Appl. Geophy., Vol. 3, No. 2. pp 107-113.

25) Abd El-Gawad, A.M.S. and Kamal A. K. (2004): The role of gravity wave length filtering in defining the subsurface inferences of Toshka area, south of the Nile Valley Egypt., J. Appl. Geophy., Vol. 3, No. 2. pp 115-126.



- 26) Abd El-Gawad, A.M.S. and Ammar A.I. (2004): The contribution of geoelectrical investigations in delineating the shallow aquifer in Wadi El-Natron area, Western Desert , Egypt., E.G.S. Journal vol. 2, No. 1 , pp 37-50.
- 27) Abd El-Gawad, A.M.S. and Kamal A. K. (2005): Geoelectrical studies for underground water exploration in Toshka area, south of the Nile Valley, Egypt., 2nd International Conference of applied geophysics, Egypt., El-Behoth, Egypt.
- 28) Abd El-Gawad, A.M.S., Abd El-Aziz, M.A., Abu El-Ata, A.S.A., Tealab, A.A. and Abd El-Aal, H.A. (2005): Shallow geophysical investigation in Tabit El-Geish archeological site, Saqqara area, Giza governorate, Egypt., J. Appl. Geophy., Vol. 4, No. 1. pp 47-60.
- 29) Abd El-Gawad, A.M.S. and Ibraheem, I.M. (2005): Gravity-deduced faults associated with the northern Sinai Syrian arc folds., M.E.R.C. Ain Shams Univ., Earth Sc. Ser., 12: 31-47.
- 30) Abd El-Gawad, A.M.S., Ghazala, H.H. and Ibraheem, I.M. (2006): Application of two dimension linear wavelength filtering on the new magnetic map of northern Sinai Egypt., Bull. Of the Tethys geophys. Soc., Cairo, Vol., 1 pp. 117-130.
- 31) A.M.S. Abd El-Gawad (2010): Geoelectrical investigations to detect the shallower carbonate groundwater aquifer in Gebel Libni and its surrounding area, northeast Sinai, Egypt, Suez Canal Univ, Under Publ.
- 32) A. M. S. Abd El-Gawad(1) , Talat A. Abd Ellatif(2) , M. M. A. Abd El-Rahman(1), Glal H. G. Hussien(2), and Adel D. M. Kotb(2) (2012): Land magnetic studies for estimating basement relief and subsurface structure in Toshka, south Egypt.
- 33) A El-Gawad, A El-Ata, JB Khalil, H Mautitsch (2001) Shallow geophysical exploration for defining the water occurrences in the area east of the Nile Delta, Egypt 6th Jordanian Geological Conference 6, 129-172
- 34) ASAA El-Ata, AGH Hassaneen, SSH Osman, AMSA El-Gawad, (2006): An integrative electrical resistivity- Seismic refraction study for delineating the Quaternary water occurrences In the south of Cairo Area, Egypt. NRIAG Bull. 12 (B), 13-28

Some Selected Reports in The field of Mining and Mining Geophysics (Updated, 2021)

- 1) Geophysical measurement at Darb Al- Arbaien, southeast of Al- Kharga, New Valley governorate (2005-2006)
- 2) Groundwater prospecting in limestone quarry of Helwan Cement Plant for Italcement Group, (2006).
- 3) Geoelectrical measurements at the site of Al Takamul Cement Company, Atbara-Sudan Republic (2006).



- 4) Geoelectrical measurements in clay quarry of Tourah Portland Cement Company for Italcement Group, (2006).
- 5) Evaluation of the phosphate ore reserve in El-Gadida1, 1E, 2, 3, 4, 5, 6 and 6E mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 6) Evaluation of the phosphate ore reserve in Badr 1, 2, 3, and 4 mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 7) Evaluation of the phosphate ore reserve in Fath 1, 2, 2W, and 3 mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 8) Evaluation of the phosphate ore reserve in Um Hegara 1, 2, 3, 4 and 5 mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 9) Evaluation of the phosphate ore reserve in Um Tundoba 4, 5, 6 and 7 mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 10) Evaluation of the phosphate ore reserve in El-Amal 2, 3, 4 and 5 mines El-Sibaaya area, Nile Valley, Egypt (2006).
- 11) Evaluation of the phosphate ore reserve in Um Salama mine, El-Sibaaya area, Nile Valley, Egypt (2006).
- 12) Evaluation of the phosphate ore reserve in east and west El-Mahamid mines, El-Sibaaya area, Nile Valley, Egypt (2006).
- 13) Evaluation of the phosphate ore reserve in El-Hamrawain mine, Egypt (2006).
- 14) Reconnaissance study of the magnesite occurrences in Wadi Diit, Sul Hamed, south Eastern Desert, Egypt (2006)
- 15) Preliminary study of the magnesite occurrences in Wadi Diit, Sul Hamed, south Eastern Desert, Egypt (2006)
- 16) Evaluation of the magnesite occurrences and reserves in Wadi Diit, Sul Hamed, south Eastern Desert, Egypt (2006)
- 17) Preliminary geological investigation on fluorspar at Sadmain area, Red Sea governorate (2006).
- 18) Sulfur content determination in the north eastern face of Helwan limestone quarry (2006)
- 19) Geoelectrical studies on Al-Shamal cement company–Sudan republic, (2007).
- 20) Surveying parameters of phosphate drilled Boreholes in El-Gadida mines, El-Sibayia, Nile Valley, Egypt (2007).
- 21) Surveying parameters of phosphate drilled Boreholes in Badr mines, El-Sibayia, Nile Valley, Egypt (2007).
- 22) Surveying parameters of phosphate drilled Boreholes in Fath mines, El-Sibayia, Nile Valley, Egypt (2007).
- 23) Surveying parameters of phosphate drilled Boreholes in Um Hegara mines, El-Sibayia, Nile Valley, Egypt (2007).



- 24) Surveying parameters of phosphate drilled Boreholes in Um Tundoba mines, El-Sibayia, Nile Valley, Egypt (2007).
- 25) Surveying parameters of phosphate drilled Boreholes in El-Amal mines, El-Sibayia, Nile Valley, Egypt (2007).
- 26) Surveying parameters of phosphate drilled Boreholes in Um Salama mines, El-Sibayia, Nile Valley, Egypt (2007).
- 27) Surveying parameters of phosphate drilled Boreholes in Eastern Mahamid mines, El-Sibayia, Nile Valley, Egypt (2007).
- 28) Surveying parameters of phosphate drilled Boreholes in Mosatah Yassin mine, El-Sibayia, Nile Valley, Egypt (2007).
- 29) Hydrological studies on the plant site of Al-Takamul Cement Plant–Atbara, Sudan Republic. (2007).
- 30) Geophysical Investigations on groundwater in Gebel Libni and surrounding area, northeast Sinai for Sinai Cement Company. (2007).
- 31) Gold prospecting in Wadi El-Allaqi Area Southeast from Aswan, Egypt (2007)
- 32) Chromite prospecting and mapping in Gebal El-Rabshi, G. Bezah, El-Barramiya, G. El-Galala and G. Abu Dahr, Eastern Desert, Egypt.
- 33) Mapping of limestone quarry and plant site of Djelfa Cement Project, Algeria (2008)
- 34) Mineralization of terer concession, Ethiopia (2008).
- 35) Primary report on the phosphate investigation in El-shaghab, El-Sebaiya, Qena governorate (2008).
- 36) Construction drilling plan for 23 phosphate concessions belongs to El-Nasr Mining Company, Egypt (2008).
- 37) Geoelectrical measurements at the northern extension of Tourah clay quarry of Tourah Cement Plant for Italcement Group, (2008).
- 38) Geophysical investigations on groundwater aquifer in the area surrounding Kalabsha Fault at the western bank of Naser Lake, south of Aswan, Egypt (2008).
- 39) Basalt, dolomite and glass sand raw materials used for the manufacture of woolen rock and woolen glass (2008).
- 40) Geophysical exploration of iron ore at Wadi Abu Subayrah, Northeast of Aswan, (2009).
- 41) Preliminary study on the iron ore occurrences At Wadi Abu Subayrah, Northeast of Aswan, (2009).
- 42) Reconnaissance Study on the clay occurrences at Khashm El-Qaaoud and East El-Qattara (2008)
- 43) Preliminary raw material investigation, Dejlfa cement project, Algeria cement company (mapping only, 2008).



- 44) Preliminary geological investigation on Khashm El-Kaoud Area-1, Wadi El-Natrun, North Western Desert, Egypt (2009).
- 45) Preliminary geological investigation on Khashm El-Kaoud Area-2, Wadi El-Natrun North Western Desert, Egypt (2009).
- 46) Preliminary geological investigation on Cimpor clay quarry No. 851, Alamain, North Western Desert, Egypt (2009).
- 47) Preliminary geological investigation on limestone deposits, Fuka (Cimpor), North Western Desert, Egypt (2009).
- 48) Preliminary geological investigation on limestone deposits, Dabaa (Cimpor), North Western Desert, Egypt (2009).
- 49) Preliminary geological investigation on limestone deposits, Galal (Cimpor), North Western Desert, Egypt (2009).
- 50) Preliminary geological investigation on limestone deposits, Zawya (Cimpor), North Western Desert, Egypt (2009).
- 51) Magnetic mapping in Ahsaa Area and Debri Harmaz Concession, Ethiopia (2009).
- 52) Reconnaissance geological investigation on limestone deposits, East Helwan, Egypt, (2010)
- 53) Preliminary geological investigation on limestone deposits, East Helwan, Egypt, (2010)
- 54) Preliminary Geological Investigation on limestone Deposits, Northwestern Dank (Arkan), Sultanate of Oman (2010).
- 55) Axis road suggestion on the limestone deposits location, Northwestern Dank (Arkan), Sultanate of Oman (2010).
- 56) Detailed geological investigation On clay deposits in Dir Abu El-Hokaif (Cimpor 1391 Quarry) South Western Al-Alamayn, Matrouh Governorate (2010).
- 57) Preliminary geological investigation on limestone Deposits at Kassymia, Matrouh Governorate, North Western Desert, Egypt (2010).
- 58) Preliminary Geological Investigation on Limestone Deposits at Fuka (Titan), Matrouh Governorate, North Western Desert, Egypt (2010).
- 59) Preliminary geological investigation on limestone Deposits at Ras El-Hekma (Titan), Matrouh Governorate, North Western Desert, Egypt (2010).
- 60) Preliminary geological investigation on limestone Deposits at Sedi Henaish (Titan), Matrouh Governorate, North Western Desert, Egypt (2010).
- 61) Reconnaissance geological investigation on limestone occurrences beside 851 Clay Quarry South Western Al Alamayn, Matrouh Governorate (2010).
- 62) Preliminary geological investigation on Siliceous Limestone Deposits at South El-Hammam concession, Matrouh Governorate, Egypt (2010).



- 63) Aggregates specifications and requirements with special emphasis on their raw material distribution in Egypt (2010).
- 64) Progress report of detailed drilling works on limestone deposits between Burg El-Arab and El-Hammam, Alexandria, Egypt (2010).
- 65) Evaluation for the Phosphate deposits in new areas (A5 and B5) Um-Tundoba, Sibaaya, Nile Valley, Egypt (2010).
- 66) Visibility Study for Phosphate deposits in Wadi Um-Tonduba-5, Sibâiyya, Egypt
- 67) Evaluation for the Phosphate deposits in Abu Tartur, New Valley governorate, Egypt (2011).
- 68) Reconnaissance geological study on white sand deposits at East Abu Zenima, West Central Sinai, Egypt (2011).
- 69) Preliminary geological study on white sand deposits at East Abu Zenima, West Central Sinai, Egypt (2011).
- 70) Field investigation on Kaolinite deposits at East Abu Zenima, West Central Sinai, Egypt (2011).
- 71) Field investigation on the Clay occurrences at south Assuit, West of the Nile Valley, Egypt (2011).
- 72) Shallow geophysical investigation to detect the probability of groundwater occurrences on an area east to Beni Suef Governorate, East of the Nile Valley, Egypt (2011).
- 73) Reconnaissance study on phosphate occurrences in and around Abu Tartur Plateau area, new valley governorate, Egypt (2011).
- 74) Aggregates specifications and requirements with special emphasis on their raw material distribution in Egypt (2011).
- 75) Geological investigation of limestone deposits in and around G. Serai, East Qena, Nile valley, Egypt (2012)
- 76) Reconnaissance geological investigation on clay deposits around Helwan cement plant, Egypt (2012).
- 77) Reconnaissance geological investigation on clay deposits around Suez cement plant, Egypt (2012).
- 78) Geological and geophysical investigation on tourah clay quarry to detect the causes of landslides, tourah Cement Company (2013)
- 79) Report on field visit to Baharat Ad da ah, east Riyadh, Saudi Arabia, (2013).
- 80) Geological and hydrogeological study to determine the causes and problems related to the production of water from the Poultry Production Plant (PPP) farm, Riyadh, Saudi Arabia, (2013).
- 81) Geological and hydrogeological study to determine the causes and problems related to the production of water from the lama farm borehole, Riyadh, Saudi Arabia, (2013).
- 82) Groundwater prospecting in east El-Qababat, west of El-Kurimat-Al-Zaafarana road, Egypt, (2014).



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



Some Reports in Arabic published in the ministry of irrigation

المحافظة	القرى المدروسة	عدد الجسات	عدد الخرائط	عدد القطاعات	الجداول	التقرير	تاريخ التقرير
محافظة المنيا	قرية تونة الجبل الجديدة	16	19	5	2	48	يونيو 2006
	قرية العزمية مبارك	21	19	6	2	50	
	قرية البهنسا	15	19	5	2	49	
محافظة قنا	قرية المحاميد	16	19	5	2	47	أغسطس 2006
	قرية كرم عمران	17	19	6	2	51	
	العقب الجديد	15	9	6	2	48	
	المراشده	34	22	6	2	74	مارس 2007
محافظة سوهاج	قرية الأحايوه	6	19	5	2	42	نوفمبر 2006
	قرية عرابة ابو عزيز	6	20	5	2	38	
	قرية بيت خلاف	6	20	5	2	43	
	نجع عميرة	6	3	2	2	18	يونيو 2007
	نجع مازن	6	3	2	2	18	
	نجع يحيى الحاجر	6	3	2	2	18	
	الجواهين	7	3	2	2	17	مايو 2007
المحافظة	القرى المدروسة	عدد الجسات	عدد الخرائط	عدد القطاعات	الجداول	التقرير	تاريخ التقرير
محافظة أسوان	قرية العلاقى	4	1	2	2	9	سبتمبر 2006
	قرية فارس	12	19	5	2	46	
	قرية الرمادى	10	19	5	2	44	
محافظة أسيوط	وادي العرب	12	16	5	2	45	أكتوبر 2006
	عزبة الأقباط (البدارى)	6	3	2	2	18	أغسطس 2007
	الخارجة	3	2	1	2	13	



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



فبراير 2007	20	2	4	8	8		بركه
ديسمبر 2006	24	2	4	2	8	الأقصر 1	الأقصر
سبتمبر 2007	10	3	3	5	9	الأقصر 2 (الجبيل)	
أبريل 2007	19	2	2	4	6	1 المنصورية	الحيزة
	20	2	2	4	7	2 المنصورية	
2006	تم فيها مراجعة و كتابة التقرير				36	حباطة	سيوه
أبريل 2007	60	5	3	20	25	المرحلة الأولى	الطريق الدولى
	60	5	5	21	25	المرحلة الثانية	
	60	5	4	20	25	المرحلة الثالثة	

تاريخ التقرير	التقرير	الجداول	عدد القطاعات	عدد الخرائط	عدد الجسات	الطرق المستخدمة	المحافظة	
نوفمبر 2006	34	2	3	21	6	Electric	1صلاح الدين	محافظة سيناء
	Basement Depth Determination					Gravity		
	Structural interpretation					Magnetic		



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



سبتمبر 2006	49	2	4	21	15	Elec- tric	2 صلاح الدين
	Basement Depth Determination					Grav- ity	
	Structural interpretation					Mag- netic	
ديسمبر 2006	36	2	3	16	9	Elec- tric	الغرقدة
	Basement Depth Determination					Grav- ity	
يوليو 2007	18	2	2	4	6	Elec- tric	أبو صويرة
	18	2	2	4	6	Elec- tric	المغفر
	18	2	2	4	6	Elec- tric	بئر جريد
	18	2	2	4	6	Elec- tric	تجمع السلام
	18	2	2	4	6	Elec- tric	برقة

تاريخ التقرير	التقرير	الجدول	عدد القطاعات	عدد الخرائط	عدد الجسات	المحافظة
يوليو 2007	10	3	3	5	13	راس سدر
أكتوبر 2007	10	3	3	5	9	الطاسه
يناير 2008	40	3	5	5	18	الجدى



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



يناير 2011	مغناطيسية وتحديد عمق صخور القاعدة	وادي غرنندل	
		وادي الباغة	
		وادي ابو جعدة	

Training Experiences

A) Cement Industry

- a. Instructor in ASEC From 2004-Now
 - i. Raw Material course
 - ii. Quarrying Mapping
 - iii. Quarrying management
 - iv. Quarrying problems
- b. Instructor in Cemex company (Quarrying mapping)
- c. Instructor in Italcement company (Quarrying management)
- d. Instructor in Badayia Cement (Syria) Raw material course
- e. Instructor in ASCOM (Field geology, mapping)

B) Geophysics

- a) Electrical and magnetic courses in Research Institute of Ground Water
- b) Training courses in Ain Shams University
 - ii. Electrical Resistivity
 - iii. Gravity Methods
 - iv. Magnetic Methods
 - v. Electromagnetic Methods
 - vi. Ground Penetrating Radar
 - vii. Geophysical Field Measurements
 - viii. Geophysical Prospecting
 - ix. Geophysical Interpretation
 - x. Mining Geophysics
 - xi. Plate tectonic Theory
 - xii. Social aspects of Earthquake
 - xiii. Shape of the Earth
 - xiv. How to write Report
 - xv. Scientific Project



جامعة عين شمس
كلية العلوم – قسم الجيوفيزياء



C) Mining Geology

- a) Phosphate in Egypt
 - 2. Eastern Desert
 - 3. Western Desert
 - 4. Nile Valley
- b) Limestone in Oman
- c) Limestone in Algeria
- d) Limestone in Egypt
 - 1. Limestone in north Eastern Desert
 - 2. Limestone in Nile Valley
 - 3. Limestone in Eastern and Western Desert
- e) Clay in Egypt
- f) Silicious limestone in Egypt
- g) Flouspar in Egypt
- h) Magnesite in Egypt