

## 6. REFERENCES

*Abd EL-Aal, Sh. I. and Khalil, J. B. (1977):*

"Mineralogical studies on sand fraction of the Nile valley and Delta soils of Egypt." Bull. Inst. Desert, Egypt. 27: 165-175.

*Abd El-Hamid, E. A. (1981):*

"Pedochemical studies of some trace elements in the North western Coast, A.R.E." Ph.D. Thesis, Fac. Agric., Ain Shams Univ. Egypt.

*Abd El-kader, F.H. and Abu-Ghalwa, S.I. (1973):*

"Distribution of total and free iron forms in different soils of Egypt." Alex. J. Agric. Res. (3): 433-449.

*Abd El-Razik (1999):*

"Trace elements status and its relation to some soil variables in sandy and calcareous soils of Egypt." J. Agric. Sci. Mansoura Univ., 24 (3): 1441-1451.

*Abou El-Hag, G.T. (1998):*

"Pedochemical studies on some newly reclaimed soils in A.R.E." M. Sc. Thesis, Fac. Agric., Zagazig Univ., Egypt

*Abu El-Izz, S. (1971):*

"Landforms of Egypt." The American Univ. Press, Cairo, Egypt.

***Ahmed, S.A. (1982):***

"The effect of parent material and ground water on salinity and alkalinity in Eastern side of Nile Delta." Ph.D. Thesis, Fac. of Agric., Menoufiya Univ., Egypt.

***ASRT, (1982):***

"Soils of the western desert and its depressions and the eastern desert." Soil Map of Egypt project, Academy of Scientific Research and Technology (ASRT), Cairo, Egypt.

***ASRT (1984):***

Project on micronutrients and clay mineralogy of the soils of Egypt," Academy of Scientific Research and Technology (ASRT), Egypt Report No.8.

***Attia, S.H. (1975):***

"Petrology and soil genesis of the quaternary in the region west of the Nile Delta, North and east of wadi El-Natrun." Ph. D. Thesis Fac. Sci., Ain Shams Univ., Cairo

***Ball, J. (1939):***

"Contribution to the geography of Egypt." Land Survey Department, Ministry of Finance, Government Press, Cairo. Egypt.

***REFERENCES*** -----

***Barakat, A.M. (1998):***

"Trace element contents in relation to some soil variables in alluvial and lacustrine soils." J. Agric., Mansoura Univ. 23(8): 400-415.

***Barshade, I., (1964):***

" Soil development, in F. E. Bear ed chemistry of the soil Reinhold Pub Corp., New York, U.S.A.

***Basta, E.Z; Philips, G. and Halaka, S.G. (1982):***

"Mineralogical studies on the clay fractions of some soil sediments from El-Behira Governorate, El-Tahrir Province; Wadi El-Natrun area north and south of Nobarria Canal." Egypt J. Soil Sci., 22: 111-125.

***Bayoumy M.R., (1971):***

"Pedological studies in agricultural expansion area west of the Suez canal U.A.R." M.Sc. Thesis, Fac. Agric, Cairo, Univ. Egypt.

***Bayoumy, N.A; Gobran, O.A. and Shehata, R.B. (1992):***

"Mineralogical study of soils belonging to different physiographic units in eastern side of Egypt." Egypt. J. Soil Sci., 32 (3): 437-453.

**REFERENCES** -----

***Black , C.A.; Evans, D.D.; Ensminger, L.E.; White, J.L. and Clark, F.E. (1965):***

"Methods of Soil Analysis." Agron. Series, No.9 Am. Soc. Agron.,Madison, Wisconsin, USA.

***Brewer, R. (1955):***

"Mineralogical examination of a yellow podzolic soil formed on granotiorite." C.S.I.R.O. (Australia) Soil Publ., No. 6, 2819.

***Brewer, R. (1960):***

"Soil structure and fabric: Their definition and description." J. Soil Sci., 11: 192-209.

***Brewer, R. (1964):***

"Fabric and mineral analysis of soils." John Wiley & Sons, Inc. New York.

***Brown, G (1961):***

"The X-ray identification and crystal structures of minerals." Miner. Soc. (Clay Miner. Group), london.

***Buckaman, W.H. and Haim, W.E. (1942):***

"Preliminary investigation of heavy mineral critaria as an aid in the identification of certain soils in Oklahoma." Soil Sci. Soc. Amer. Proc., 6: 63-73

***El-Hinnawi, E.E. (1966):***

"Methods in chemical and mineral microscope." El-Sevier Publ. Co. Amsterdam, Netherlands.

***El-Kassas, M. and El-Abyad, M.S. (1962):***

"On the phytosciology of the desert vegetation of Egypt." Ext. Annals of Arid Zone, 1: 1-26

***El-Naggar, S.A. (1986):***

"Moisture characteristics of some Nile Delta soils: Structural status and hydraulic conductivity in the magnesium affected vertisols of the north Delta region." Ph. D. thesis, Fac. of Agric. Cairo Univ., Egypt.

***El-Nahal, M.A., Abd El-Aal, R.M.; Abdel Wahid, A.A. and Raafat, I. (1977):*** "Soil studies on the Nile Delta." Egypt. J. Soil Sci., 17:55-75.

***El-Nahry, A.E.H. (1997):***

"Using aerial photo techniques for soils mapping in some areas east of Nile Delta." M. Sc. Thesis, Fac. Of Agric. Cairo Univ., Egypt.

*El-Shanawany, S. M. (2001):*

"Mineralogical studies on the clay fraction of some soils in western region of the Nile Delta, Egypt." Fayoum J. Agric., Res. & Dev., 15(2): 5-30.

*El-Shazly, E.M.; Abdel Hady, M.A.; El-Ghawaby, M.A.; El-Kassas, I.A.; Khawasik, S.M.; El-Shazly, M.M.; and sanad, S. (1975):*

"Geologic interpretation of Landsat satellite images for west Nile Delta area, Egypt." The Remote Sensing Res. Project, Academy of Sci. Res. & Tech., Egypt.

*El-Sheemy, H.M. (1972):*

"Mineralogical studies of El-Tal El-Kabeer alluvial soils and their physicochemical properties." M. Sc. Thesis, Fac. Agric. Univ. of Alex.

*El-Saadani, A.M. (1984):*

"Pedological studies on some soils of Sharkia Governorate, A.R.E." Ph. D. Thesis Fac. Of Agric. Zagazig Univ.

*El-Toukhy, M.M. (1995):*

"Studies on land evaluation and land use of some soils in north Delta." Ph.D. thesis, fac. Agric. Zagazig Univ.(Benha Branch), Egypt.

***Elwan, A.A.; Harga, A.A.; AbdEl-Rahman, S.M.; and Kassem, Y.S. (1980):***

"Genesis and uniformity of soil terraces on both sides of the Nile Delta." Egypt. J. Soil Sci., 20, (1): 99-125.

***Emberger, L. (1939):***

"Une nouvelle carte des pluies due marc la meteorologic."  
[cf .Climatology and Microclimatology, (1958)].

***FAO. (1990):***

"Guidelines for soil profile description F.A.O." ISRC, publication, Rome.

***Folk, R.L. and Ward, W.C. (1957):***

"Brazos River Bar: A study in the significance of grain size parameters." J. Sed. Petrol. 27: 3-26.

***Ghaith, A.M. (1961):***

"Contribution to land classification of Egyptian soils with respect to the study of soils adjacent to the northern lakes of the Nile Delta." Ph. D. Thesis Fac. Agric., Cairo Univ., Egypt.

***Ghaith, A.M. and Tannious, M. (1964):***

"Mineralogical study of the clay fraction in the topsoil of northern part of Nile Delta." 8<sup>th</sup>Intr., Cong. Soil Sci., VII. 29.

***Ghaith, A.M. and Tannious, M. (1965):***

"Preliminary soil association map of UAR." Ministry of Agric. Soil Dept. Soil Survey Division, Cairo, UAR.

***Girgis, W.A. (1971):***

"Plant indicators in the Egyptian deserts." Desert Inst. Bull., A. R. E., 21 (21): 511-530.

***Gobran, O.A. (1990):***

"Morphological and mineralogical studies on some representative profiles from new reclaimed areas East and West on Nile Delta." Menufyia, Agric. Res. 15(1): 6-35.

***Gobran, O.A.; Abou Agwa, F.E. and Shehata, R.B. (1992):***

"Morphological, physical and chemical change associated with different Physiographic units of selected soils in Egypt." J. Soil Sci. Vol. 32, (2):29-43.

***Hamdi, H. (1967):***

"The mineralogy of the fine fraction of the alluvial soils of Egypt." Egypt. J. Soil Sci., 7:15-45.

***Hammad, F. A. (1968):***

"Genesis of the soils of the western Mediterranean coastal of UAR." Ph. D. Thesis, Fac. Agric., Ain Shams Univ.

**REFERENCES** -----

***Hamra, A.A. (1982):***

"Studied on the nature of interference between the alluvial and desert soils on the Eastern border of Nile Delta." Ph. D Thesis, Fac. Agric., Ain shams Univ., Egypt.

***Harga, A.A. (1971):***

"A study of certain minerals as criteria of soil formation." Ph. D. Thesis, Fac. Agric. Ain Shams Univ., Egypt.

***Haseman, J.F. and Marshall, C.E. (1945):***

"The use of heavy minerals in studies of the region and development of soil." Missouri Agric., Exp. Sta Res. Bull. No. 387, U.S.A.

***Hassona, H.H.; Fahim M.M. ; El-Hemely M.E. and Abdel Mattaleb M., (1995).***

"Mineralogical composition of the sand fraction of soils of El-Nobariya area and its relation to soil genesis." Egypt. J. Soil Sci.35: 33-53.

***Hassona, H.H., Gundy, M.M., Abdel Nabi, A.O. and Abdel Razik, S. A. (1996):***

"Micronutrient status as related to soil texa in the east of Komombo Aswan area." J. Agric. Sci., Mansoura univ., 21 (11): 4219-4248.

**REFERENCES -----**

***Hassona, H.H. (1999):***

"Pedogenic evaluation of the soils of El-Kharga Oasis based on the mineralogical composition of the sand fraction." J. Agric. Sci., Mansura Univ. 24: 3167-3185.

***Ibrahim D.M. (2001).***

Pedological studies on some soils in El-Beheira Governorate.  
M. Sc. Thesis Fac. Agric, Zagazig Univ. (Benha Branch), Egypt.

***Inman, D.I. (1952):***

"Measures for describing the size distribution." J. Sed. In Petrol. 22: 125-145.

***Jackson, M.L., (1973):***

"Soil chemical analysis." Prentice-hall. Inc. Engle-Wood, Cliffs. U.S.D.

***Jackson, M.L. (1968):***

"Soil chemical analysis." (Advanced course). Puble. By the author, Dept. of Soil Sic., Unv. of Wisconsin., Madison, USA.

***Jenny, H., (1941):***

"Factors of soil formation." McGraw Hill book Co. U.S.A.

***Kasem, Y.S. (1977):***

"Detailed pedological studies on the soils of the northern coastal zone, Western Desert, ARE." Ph.D. Thesis, Fac. Agric., Cairo Univ., Egypt.

***Kassas, M. and Zahran, M.A., (1962):***

"Studies on the ecology of the Red sea coastal land. The district of G. Ataga and El-Galala El-Bahariya." Bull. Soc. Geog. J. Egypt,32: 129-175.

***Kerr, P.F. (1959):***

"Optical Mineralogy." McGraw-Hill Book Company Inc., New York, Toronto, London.

***Kilmer, V.J. and Alexander, L.T. (1949):***

"Methods of making mechanical analysis of soils."  
Soil Sci., 68:15-24.

***Labib, F. and Hamdi, H. (1972):***

"Pedological and mineralogical studies of Egypt." Egypt, J. Soil Sci. 12(2):75-87.

***Labib, F. and Khalil, J.B. (1977)***

"Pedological study of some sediment in the western desert."  
Egypt, J. soil Sci., 17(2): 203-221.

**REFERENCES** -----

***Lang, R. (1920):***

"Verwitterung and Bodinbildungals Einfuhurung in die Bodenkunde

E. Schweizer bart sche Verlangsbush haudlung, stuttgart." [c.f. Jenny, H. (1941)], Factors of soil. Soil Sci. 63 : 79-94.

***Marshall, C.E. (1945):***

"A petrographic method for the study of soil formation processes." Soil Sci. Soc. Amer. Proc. 5: 100-110.

***Mayer, A. (1926):***

"Ueber einige zusamanen hange zwisnen klimaund Boden in Europea." Chemie der Erde, 2:209-347. [c.f. Jenny, H. (1941)]

***Metowley, M.A. (1987):***

"Capability classification of the calcareous soils at the north-Western coast of Egypt as related to pedogeneic classification." Ph. D. Thesis Fac. Agric, Zagazig Univ. (Benha Branch), Egypt.

***Milner, H.B., (1962):***

"Sedimentary petrography." George Allen & Unwin Ltd., Museum street, London.

***Munsell (1975):***

Munsell soil color charts. 1975 edition Munsell color Macbeth Division of Kollmorgen Corp., Baltimore Maryland 21218, USA.

***Naeem, M.H. (1996):***

"Pedochemical studies on some soils located south of the northern lakes." Ph. D. Thesis; Fac. Agric., Suez Canal Univ., Egypt.

***Noman, K. I. (1985):***

"Certain characteristics of vertisols in Egypt." Egypt. J. Soil Sci. 25: 133-149.

***Oertal, A.C. and Giles, J.B. (1963):***

"Trace elements of some Queensland soils." Aust. J. Soil Res. 1 : 215-220.

***Page, A.L. (1982):***

"Methods of soil analysis. Part 2-Chemical and Microbiological properties." Second Edition, Amer. Soc. of Agron. Madison. Wisconsin, USA.

***Peltier, L.C. (1950):***

"The geographical cycle in periglacial as it is related to climatic geomorphology." Annals Assoc. Amer. Geographers, 40: 215-236.

**REFERENCES** -----

***Pettijohn, F.J. (1941):***

"Persistence of heavy minerals and geologic age." J. Geol. 49: 610-625.

***Philip, G. (1955):***

"Geology of the plistocene sediments of the Mediterranean coast, West of Abu Qir." Ph. D. Thesis, Fac. Of Sci., Cairo Univ.

***Piper, C.S. (1950):***

"Soil and plant analysis." Interscience Publ. Inc., New York.

***Piskunon, N. (1969):***

"Differential and integral calculus." Mir. Publishers, Moscow, USSR.

***Ruhe, R.V. (1956):***

"Geomorphic surfaces and the nation of soils." Soil Sci, 82: 441-455.

***Sadek, H. (1926):***

"The geography and geology of the district between Gebel Ataqa and El-Galala El-Bahariya." Survey of Egypt paper N., Y., Cairo.

**REFERENCES** -----

***Sadek, Sh. A. (1990):***

"Soil characteristics and evaluation of some Northern desertic areas at the eastern desert, Egypt." Egypt, J. Soil Sci., 30 (3): 481-490.

***Sahu, B.K. (1964).***

"Depositional mechanism from the size analysis of elastic sediments." J. Sed. Petrol. 34: 73-83.

***Said, R. (1962):***

"The Geology of Egypt." Elsevier publishing company, Amsterdam, New York.

***Sanad, A. M. (1973):***

"Geology of the area between Wadi El-Natron and the Moghra Depression." Ph. D. Thesis; Fac. of Sci. ;Assiut Univ., Egypt.

***Shehata R. B. (1994):***

"Land evaluation of selected areas representating different physiographic units in the western desert, Egypt." Egypt. J. Appl. Sci., 9(2): 847-860.

***Shata, A.A. (1953):***

"New light on the structural development of the western Desert of Egypt." Bull. Inst. Desert d'Egypt,3: 101-120.

**REFERENCES** -----

***Shata, A.A. (1955).***

"An introductory note on the geology of the northern portion of the Western Desert of Egypt." Bull. Inst. Desert, Egypt, 5: 96-106.

***Shata, A.A. (1959):***

"Geological problems related to the groundwater supply of some desert areas of Egypt." Bull. Soc. Geogr. d'Egypt. 32: 247-262.

***Shata. A.A. (1961):***

"The Geology of groundwater supplies in some Arable lands." (Internal Report) Desert Institute, Cairo.

***Shata, A.A. (1978):***

"Genesis formation and classification of the soils south Ismaeliya Canal between Belbeis and Ismaeliya including Wadi El-Tumeilate." M.Sc. Thesis, Fac. of Agric. Zagazig Univ. Egypt.

***Shata, A.A, (1984):***

Chemical and mineralogical aspects as a criterion of soil genesis and formation of the region east of the Nile Delta." Ph.D. Thesis, Fac. Of Agric., Zagazig., Univ., Egypt.

***Stori, R.E. (1964):***

"Handbook of soil evaluation." Associated Students Bookstore, Univ. of California, Berkeley, California.

***Sys, C.; Van Rantst, E.; and Debaveye, J. (1991):***

"Land Evaluation ." Parts I and II Agric. Pub. No. 7, General Administration for Development and Corporation, Brussels, Belgium.

***Sys, C.; Rantst, E.; Van Debaveye, J. and Beernaer, T.F. (1993):***

"Land Evaluation, crop requirements." Part III, Agric. Pub. No. 7, General Administration for Development and Corporation., Brussels, Belgium.

***Tadros, T.M.(1956):***

"Ecological survey of the semi-arid coastal strip of the Western Desert of Egypt." Bull. Inst. Desert Egypt, 6(2): 16-2

***USDA, (1954):***

"Diagnosis and improvement of saline and alkali soils." U.S. Dept. of Agric., (USDA) Hand-Book, No.60. Washington DC, USA.

***USDA, (1962):***

"Soil Survey Manual." U.S. Dept. of Agric. (USDA), Handbook No. 18., Washington DC.

***USDA, (1975):***

"Soil Taxonomy, a basic system of soil classification for making and interpretation of soil surveys." Agriculture Handbook No. 436., Washington, DC United State Department of Agriculture (USDA).

***USDA, (1999):***

"Soil Taxonomy, A basic system of soil classification for making and interpretation of soil surveys." agriculture Handbook, No.436, Washington D. C., United State Department of Agric.

***Veenenbos, J. and Westerveld, G.W.J. (1966):***

"High Dam Soil Survey. Egypt." Vol. H. The reconnaissance soil survey, FAO/SF; 16 Egypt.

***Walter, P.H. (1950):***

"Die vegetation dererde in Okologischer Betrachtung." Veb Gustuv. Fisher verlagzena [cf. Climatology and Microclimatolog, Dezerd zee Vesku, B.L. (1958)].

***Weyl, R. (1952):***

"Studies of heavy minerals in soil profiles." Z.P. Flernohr, Dung Bookn Kunce. 57: 135-141.

***Whitting, L. D. and Jackson, M. L. (1955):***

"Interstratified layer silicates in some soils of the northern Wisconsin, Clay Minerals." 3 rd National. Conference. 1954, : 322-331.

***Whitting, L. (1965):***

"X-ray diffraction techniques for mineral identification and mineralogical composition." In: C.A. Black (ed.). Methods of soil analysis. Part 1. Amer Soc. of Agron, Madison. Wisconsin, USA.

***Zein El-Abedine, A. (1951):***

"Studies on some physical and chemical characteristics of soil and subsoil formation of Cairo University farm, Giza, Egypt." Alolom El-Zeraiaa, 4 (1): 83-104.