

REFERENCES

- Abdalla, H. M., Matsueda, H., Obeid, M. A. and Takahshi, H., (2008)**- Chemistry of cassiterite in rare metal granetoids and the associated rocks in the Eastern Desert, Egypt. *J. of mineralogical and petrological Sci.* Vol. 103, pp. 318-326.
- Abdel-Wahed, M. A., (2004)**- Structural and metamorphic evaluation of Wadi Dubur metasediments, Central Eastern Desert, Egypt. *Ann. Geol. Surv. Egypt*, V. 26, pp. 71-105.
- Abu-El Maaty, M. A. and Khalil, M. M., (1999 a)**- Mineral chemistry as a guide to magmatic evaluation of some basement rocks from Nuweibi area, Central Eastern Desert, Egypt. *Ann. Geol. Surv. Egypt, Cairo, Egypt*, vol.22, P.287-307.
- Abu-El Maaty, M. A. and Khalil, M. M., (1999 b)**- Petrography and geochemistry of some plutonic rocks of Nuweibi and Mueilha areas, Central Eastern Desert, Egypt. *Egypt mineralogist, J. mineralogist Soc. Egypt, Cairo*, vol. 11, p. 63-89.
- Abu-El Maaty, M. A. and Ali Bik M. W., (2000)**- Petrology of alkali feldspar granites of Nuweibi and Gabal El-Mueilha, Central Eastern Desert. *Egypt J. geol. Soc. Egypt, Cairo*, vol. 44, no. 1, 2000, p. 127-148.
- Ahrens, A. H. 1965**- Some observations on the uranium and thorium distribution in accessory zircon from granitic rocks. *Geoch. Como. Acta.*, Vol. 29, pp. 711-716.
- Ahrens, A. H, Cherry, R. D. and Erlank, A. I. (1967)**- observations on the Th-U relationship in zircon from granitic rocks and from kimberlite, *Geoch. Como. Acta.*, Vol. 31, pp. 2379-2387.
- Akaad, M. K. and Noweir, A. M., (1980)**- Geology and lithostratigraphy of the Arabian Desert orogenic belt of Egypt between latitudes 25 30 and 26 30 N. *King Abdul Aziz Univ., Inst. Appl. Geol. Bull.*, vol. 4, no. 3, pp 127-135.
- Amin, M.S., Mansour, M.S., Kabesh, M.L.A. and El-Far, D.M. (1952)** : Geology of the Naba district. *Geol. Surv.*
- Arafa, E. H. M., (1990)**- mineralogical and sedimentological studies of some sediments from Egypt and Sudan. Ph. D. thesis, Fac. of Sci. Cairo Nuiv., Egypt.

- Armstrong, P., (1922)**- Zircon as criterion of igneous or sedimentary and metamorphic. Amer., 5(4), pp. 381-395.
- Arslan, A. I., Helba, H. A., Khalil, S.O., Morteani, G., (1997)**- Bedrock geochemical prospecting and ore potentiality of the rare metal-bearing granite at Nuweibi area, Eastern Desert, Egypt. Third conf. on geochem. Fac. Science Alex. Egypt. pp 375-388.
- Asran, M. H. A., (1985)**- Geology, petrography and geochemistry of the apogranites at Nuweibi and Abu Dabbab areas, Eastern Desert, Egypt. M. Sc. Thesis, Assuit Univ., Sohag
- Awad , WK., (1973)**- Application of geophysical methods for mineral prospecting at Abu-Dabbab Nuweibi areas, Central Eastern Desert of Egypt, M. SC. Geol. Fac. Cairo Univ. Cairo, Egypt, Abstr, 63 P.
- Bahatia, M. R., (1983)**- Trace elements characteristics of grey waxes and tectonic setting discrimination of sedimentary basins. Contrib. Min. Petrol., Vol. 99, pp. 181-183.
- Basta, E. Z., (1960)**- Natural and synthetic titanomagnetite (the system Fe_3O_4 - Fe_2TiO_4 - $FeTiO_3$) N. J. B. Miner-Abh., (Festband Ramdohr), Vol. 94, pp. 1017-1048.
- Basta, E. Z. and Takla, M. A., (1968)**- Mineralogy and origin of Abu Ghalaga ilmenite occurrence, Eastern Desert. J. Geol. 4. A. R., Vol. 12, No. 2, pp. 87-136.
- Basta, E. Z. (1972)**- different types of ilmenite-magnetite intergrowth and their origin. Bull., Fac. Sci., Univ., Vol. 44, pp. 195-212.
- Bergen, M., Weisberg, S. B., Cadien, D., Dalkey, A., Montagne, D., Smith, R.W., Stull, J. K. and Velarde, R. G., (1998)**- Southern California Bight 1994 Pilot Project: IV. Benthic infauna. Southern California Coastal Water Research Project. Westminster, CA
- Beus, A. A., Eeverov, E. A., Sitnin, A. A. and Subbotin, K. D., (1962)**- Albitized and greisenized (Apogranites). USSR Academy of Science publishing house, Moscow (In Russian).
- Blatt, H., Middleton, G. and Murray, R., (1980)**- Origin of sedimentary rocks, (2nd) ed. Prentice-Hall. Inc., Englewood Cliffs, New Jersey, 782p.

- Boctor, N. Z., (1966)-** Ore microscopic studies of the opaque minerals in Rosatta-Damietta black sands. M. Sc. Thesis, Fac. of Sci., Cairo Univ.
- Buddington, A. F. and Balsley, J. R., (1961)-** Micro-intergrowths and fabric of Iron-titanium oxide minerals in some Adirondack rocks. *Mahaveden, J. Petrol.*, Vol. 1, pp. 1-16.
- Buddington, A. F. and Lindsley, D. H., (1964)-** Iron-titanium oxide minerals and synthetic equivalents. *J. Petrol.* V. 5, pp. 310-357.
- Carroll, D., (1953)-** Weatherability of zircon . *J. Sed. Pet.*, Vol. 23, pp. 106-116.
- Carver, R. E., 1971-** Procedures in sedimentary petrology. John Willy and sons Inc., New York, London.
- Clark S. P., Peterman, Z. E. and Heier, K. S. (1966)-** Abundances in uranium, thorium and potassium. In: *Handbook of Physical Constants*, Geological Society of America, Memoir 97, pp. 521-541.
- Craig, J. R. and Vaughan, J. D., (1981)-** The ore microscopy and ore petrology, John Wiley and sons, Inc. New York.
- Dorsey, J. H., Phillips, C. A., Dalkey, A., Roney, J. D. and Deets, G. B., (1995)-** Changes in assemblages of infaunal organisms around wastewater outfalls in Santa Monica Bay, California. *Bulletin of Southern California Academy of Sciences* 94:46-64.
- Edwards, A. B., (1938)-** Some ilmenite-microstructures and their interpretation. *Austral. Inst. Min. and Met. Proc.* N. S. 110, pp. 39-58.
- El Balakssy, S. S., (2003)-** Mineralogical studies for the economic minerals in the sand dunes belt at Baltim area, Egypt. Ph. D. thesis, Fac. of Sci., Ain Shams Univ. 234p.
- El-Etr, H. A. and Youssif, M. S. M., (1974)-** Air photo lineations of Wadi El Assiuti, Wadi Mohariq and Sikket El Agel, Central Eastern Desert, Egypt. *Proc. Egypt. Acad. Sci.* 28: 79-87.
- El Mansi, M. M., (1996)-** Petrology and mineralogy of Samut-Atud area, Central Eastern Desert, Egypt. Ph. D. thesis. Fac. of Sci., Cairo Univ. 320 P.

- El Nisr, S. A., Moghazi, A. M. and El Sayed, M. M., (1996)-** Geochemical variations and tectonic significance of the mafic rocks on the Allaqi-Haimur-Qulieb area, South Eastern Desert, Egypt. *Egypt. J. Geol.*, 40, 555-586.
- El-Ramly, M. F., (1972)-** A new geological map for the basement rocks in the Eastern and the South Western Desert of Egypt. *Ann. geol. Surv. Egypt*, vol. 2, pp. 1-18.
- El-Tabbal, H.K., (1979)-** Mineralogical studies on some rare-metal apograinites from Nuweibi and Abu-Dabbab areas, Eastern Desert, M. Sc. Thesis, Fac. Sci., Al Azhar univ., Cairo, Egypt.
- Esmail, E. M., (2005)-** Subsurface geological constraint controlling uranium mineralization at the Northern part of Gabal Gattar, North Eastern Desert, Egypt. Ph.D. thesis, Fac. of Sci., Ain Shams Univ. 194p.
- Flinter, B. H. (1955)-** A magnetic separation of some alluvial minerals in Malaya, *Amer. Miner.*, Vol. 44, No. 7-8, pp. 738-751.
- Folk, R. L., (1954)-** The distribution between grain size and mineral composition in sedimentary rock nomenclature. *J. Geol.*, Vol. 62, pp. 344-359.
- Folk, R. L. and Wards, W., (1957)-** Brazos river bar, a study in the significance of grain size parameters. *J. Sed. Petr.*, Vol. 27, pp. 3-27.
- Folk, R. L., (1968)-** Petrology of sedimentary rocks. Hemphills, Austin, Texas.
- Folk, R. L., (1974)-** Petrology of sedimentary rocks. Univ. Texas, Hemphill, Pub. Co., Drawer M, Austin, Texas.
- Folk, R. L., (1980)-** Petrology of sedimentary rocks. Univ. Texas, Hemphill, Pup. Co., Austin, Texas, USA.
- Friedman, G. M., (1961)-** Distinction between dune, beach and river sands from their textural characteristic. *J. Sed. Petr.*, Vol. 31, pp. 514-529.
- Friedman, G. M., (1967)-** Dynamic processes and statistical parameters compared for size frequency distribution of beach river sands. *J. Sed. Petr.*, Vol. 37, pp. 327-354.
- Geol. Surv. Egypt., (1974)-** Mineral deposits in Egypt. *Geol. Surv. Egypt. Pap.*, no. 61, P. 19-26.

- Ghoneim, M., (2003)-** Mineralization of niobium and tantalum in the Central Eastern Desert, Egypt. UAR. 8th Arab Conf. on mineral resources, Sana'a, Yemen, 13-16 Oct 2003, V. 1, pp. 121-127.
- Ghoneim, M. F., Takla, M. A. and Lebda, E. M. (1992)-** The gabbroic rocks in the central Eastern Desert, Egypt. A geochemical approach. Ann. Geol. Surv. Egypt, 18, 1-21.
- Glenine, K. W., (1970)-** Desert sedimentary environments. El Sevier, Amsterdam, Holland.
- Groves, A. W., (1930)-** The heavy minerals suite and the correlation of the granites of northern Brittany, The channel Islands, and the cotentin, Geol. Mag., Vol. 67, pp. 218-240.
- Haggerty, S.E., (1991a)-** Oxide mineralogy of the upper mantle. In: Lindsley, D.H. (ed.), Oxide minerals: petrologic and magnetic significance. Reviews in Mineralogy, 25, Mineralogical Society of America, Washington, D.C., p. 355-315.
- Haggerty, S.E., (1991b)-** Oxide textures: A mini-atlas. In: Lindsley, D.H. (ed.), Oxide minerals: petrologic and magnetic significance. Reviews in Mineralogy, 25, Mineralogical Society of America, Washington, D.C., p. 129-219.
- Hassaan, A. H. A., (2005)-** Evaluation of the heavy minerals in the coastal sand dunes, East Sabkhit Al-Tinna, North Sinai, Egypt. Ph. D. thesis, Fac., of Sci., Ain Shams Univ.
- Helba, H. A., (1994)-** Geochemical prospecting for rare metals in Nuweibi area, Central Eastern Desert. Egypt. Ph. D. thesis, of Sci. Alex. Univ., 145pp.
- Helba, H. A., Trumbull, R.B., Morteani, G., Khalil, S.O. and Arslan, A. I., (1997)-** Geochemical and petrographic studies of Ta mineralization in the Nuweibi albite granite complex, Eastern Desert, Egypt. Mineral, Deposita, 32:164-179.
- Herron, M. M., (1988)-** Geochemical classification of terrigenous sands and shales from core or log data. J. Sedim. Petrol., V. 85, 820p.
- Hoover, D. B., Heran, W. D., and Hill, P. L. (1992)-** The geophysical expression of selected mineral deposit models, U.S. Geological Survey Open-File Report 92-557, 129 p.

- Hubaux, A., (1956)**- Different types de minerals noirs de la region d'Egersund, Norvege. Ann. Of Soc. Geol. 79. pp. 202-215.
- Hubaux, A., (1960)**- Les gisements de fer titane de la region d'Egersund., Norvege, N. J. Miner. Adh., Vol. 94, pp. 926-992 (festband Ramdohr).
- Inman, D. H., (1952)**- Measures for describing the size distribution of sediments. J. Sed. Pet., Vol. 22, pp. 25-145.
- Irvine, K.N. and Pettibone, G.W., (1993)**- Dynamics of indicator bacteria populations in sediment and river water near a combined sewer outfall. Environmental Technology 14:531-542
- Irvine, T. N. and Baragar, W. R. A. (1971)**- A guide to the chemical classification of the common volcanic rocks. Con. Jour. Earth Sci., V. 8, P. 523-548.
- International Atomic Energy Agency, Viena (IAEA), 1988:** Geochemical exploration for uranium. International Atomic Energy Agency, technical report series No. 284, 97p.
- Kamel, O.A., Rasmy, A.H. and Bakir, R.K.H., (1980)**- Mineralogy of alluvial and placer deposits of the Central Eastern Desert, Egypt. Ann. Geol. Surv. Egypt, Cairo, Egypt, vol. 10, P.751-768.
- Kamel, O.A., El-Tabbal, H.K., (1980)**- Petrology and mineralogy of Nuweibi and Abu-Dabbab rare metal apogranites, Eastern Desert, Egypt. Accademia National dei lincel Atti del Convegno Lincei, vol. 47, p. 685-705.
- Kleeman, G. J. and Twist, D., (1989)**- The compositionally-zoned sheet-like granite pluton of the Busheveld complex. Evidence bearing on the nature of A-type magmatism. Tour. Petro., 6, 853-864.
- Krumbein, W. C., (1934)**- Size frequency distribution of sediments. J. Sed. Petr., Vol. 4, pp. 65-77.
- Le Maitre, R. W. (1976)**- The chemical variability of some common igneous rocks. J. Petrol., 7, 589-637.
- Mange, Maria A. and Heinz F. W. Maurer., (1992)**- Heavy Minerals in Colour. London: Chapman and Hall.

- Maniar, P. D. and Piccoli, P. M., (1989)-** Tectonic discrimination of granitoids. *Geol. Soc. Am. Bull.*, 101, 635-643.
- Mason, C. C. and Folk, R. L., (1958)-** Differentiation of beach, dune and Aeolian flat environment by size analysis, Mustang Island, Texas. *J. Sed. Petrology*, Vol. 28, pp. 211-226.
- Maurer, D., Robertson, G., Gerlinger, T. and Gossett, R., (1996)-** Organic contaminants in sediments of the Newport Submarine Canyon, California and the adjacent shelf. *Water Environment Research* 68:1024-1036.
- Mi Jung Lee, Jong Ik Lee and Jaques Moutte., (2005)-** Compositional variation of Fe-Ti oxides from the sokli complex, North Eastern Finland. *Geosciences. Journal*. Vol. 9, No. 1, PP. 1-13.
- Miyashiro, A. (1973)-** The Troodos ophiolitic complex was probably formed in an island arc. *Earth planet Sci. Lett.*, 19, 218-224.
- Miyashiro, A. (1975)-** Classification, characteristics and origin of ophiolites. *J. Geol.*, 83, 249-281.
- Miyashiro, A. and Shido, F., (1975)-** Tholeiitic and calc-alkaline series in relation to the behavior of titanium, vanadium, chromium and nickel. *Am. J. Sci.*, 275, 249-281.
- Miyashiro, A. (1978)-** Nature of alkali volcanic rock series. *Cont. Min. Pet.*, V. 66, P. 91-104.
- Mohamed, E. H., (1987)-** Mineralogical studies for some Quaternary sediments in northern Sinai. M. Sc. Thesis, Ismailia Univ.
- Mohamed, S. S. M., (1998)-** radioactivity and mineralogic studies on wadi Abu Dabbab alluvial deposits, Central Eastern Desert, Egypt. M. Sc. Thesis, Fac. of Sci., Ain Shams Univ. 204p.
- Moiola, R. J. and Weiser, D., (1968)-** Textural parameters and evaluation. *J. Sed. Petrology*, Vol. 38, pp. 45-53.
- Mucke, A., (2003)-** Magnetite, ilmenite and ulvite in rocks and ore deposits: petrography, microprobe analyses and genetic implications. *Mineralogy and Petrology*. V. 77, pp. 215-234.
- Muller, G., (1967)-** Methods in sedimentary petrology. Sluttgart, E. Schweizerbartsche Verlagsbuchhandlung, 283 pp.

- Nabighian, M. N. (1972)**- The analytic signal of two-dimensional magnetic bodies with polygonal cross-section: Its properties and use for automated interpretation": Geophysics, Vol. 37, pp. 507–517.
- Nabighian, M. N. (1984)**- Toward a three-dimensional automatic interpretation of potential field data via generalized Hilbert transforms: Fundamental relations. Geophysics, Vol. 49, pp. 780–786.
- Naim, G. M., El-Miligy, A.T. and Soliman, K., (1996)**- Tantalum-niobium-tin mineralization in Central Eastern Desert of Egypt. Proc. Egypt Geol. Surv. Centennial conf. (1896-1996), Cairo, Nov. 1996, Spec. Pupl. Pap. No. 75, p. 599-622.
- Newhouse, W. H., (1936)**- Opaque oxides and sulphides in common igneous rocks. Bull., Geol. Soc. Amer., Vol. 47, pp. 1-52.
- Odman, O. H., (1932)**- Mineragraphic study of the opaque minerals in the lava from Mt. Elgon, British East Africa. Geol. Foren. Forhandle, Vol. 54, pp. 285-304.
- Passega, R., (1967)**- Grain size representation by C-M pattern as ageological tool. J. Sed. Pet., Vol. 34, pp. 1084-1116.
- Pearce, J. A. and Cann, J. R., (1973)**- Tectonic setting of basic volcanic rocks determined using trace element analyses. Earth planet. Sci. Lett., 19, 290-300.
- Pearce, S. A., Harris, N. B. W. and Tindle, A. G., (1984)**- Trace elements discrimination diagrams for the tectonic interpretation of granitic rocks. J. Petro., 956-983.
- Peccerillo, A. and Taylor, S. R. (1975)**- Geochemistry of Upper Cretaceous volcanic rocks from the Pentic Chain, northern Turkey. Bull. Volcanol., V. 39, 557-569.
- Pettijohn, F. J., Potter, P. E. and Silver, R., (1973)**- Sand and sandstone, (2nd) ed. Springer- Verlag, New York, 61p.
- Phillips, W. R. and Griffen, D. T., (1981)**- Optical mineralogy the non opaque minerals. Freeman and Company, San Francisco. U. S. A.
- Poldervart, A., (1955)**- Zircon in sedimentary rocks. Am. J. Sci., Vol. 433, pp. 433-461.
- Poldervart, A., (1956)**- Zircon in igneous rocks. Am. J. Sci., Vol. 254, pp. 521-554.
- Portnov, A. M. (1987)**- Specialization of rocks toward potassium and thorium in relation to mineralization. International Geology Review, Vol. 29, pp. 326-344.

- Ramdohr, P., (1956)**- Die Beziehungen Von Fe-Ti Erzen aus magmatischen Gesteinen. Bull., Comm. Geol. Finlande, No. 173, pp. 3-44.
- Ramdohr, P., (1980)**- The ore minerals and their intergrowths, Vol. 2, Pergamon, Press, New York.
- Riad, A.M., (1979)**- Geology and petrology on some apogranite occurrences, Nuweibi area, Eastern Desert, Egypt. M. SC. Geol. Fac. Al Azhar univ. Cairo, Egypt, Abstr, 140 p.
- Rickwood. P. C., (1989)**- Boundary lines within petrologic diagrams which use oxidies of major and minor elements. Litho, Vol. 22, pp. 247-263.
- Rollinson, H. R., (1993)**- Using geochemical data: evaluation, presentation, interpretation. Longman scientific and technical.
- Roser, B. P. and Korsch, R. J., (1988)**- Provenance signatures of sandstone- mudstone suites determined using discriminated function analysis for major-elements data. Chem.. Geology, V. 67, p. 119-139.
- Sabet, A.H., Chbanenko, V., and Tsogoev, V., (1973)** – Tin, Tungsten and rare metal mineralization in the Central Eastern Desert of Egypt. Geol. Surv. of Egypt, Cairo, Egypt, Ann. 3, P.75-86.
- Sabet, A.H., and Tsogoev, V., (1973)**- Problems of geological and economic evaluation of tantalum deposits in apogranites during stages of prospecting and exploration. Geol. Surv. of Egypt, Cairo, Egypt, Ann. 3, P.87-107.
- Sabet, A.H., (1974)**- Placer deposits of Iгла, Abu Dabbab and Nuweibi. Geol. Surv. Egypt. Pap., no. 61, P. 27-35.
- Sabet, A.H., Tsogoev, V.B., Baburin, L.M., Riad, A.M., Zakhari, A. and Armanius, L.M., (1976)**- Geological structure and laws of localization of the tantalum mineralization at the Nuweibi deposits. Ann. Geol. Surv. of Egypt, Cairo, Egypt, vol. 6, P.119-156.
- Sabet, A.H., Tsogoev, V.B., Shibanin, S.P., El-Kadi, M.B. and Awad, S., (1976)**- The placer tin deposits of Abu-Dabbab, Iгла and Nuweibi. Ann. Geol. Surv. Egypt, Cairo, Egypt, vol. 6, P.169-180.

- Sabet, A.H., (1980)-** Tin-rare metal deposits at Abu-Dabbab and Nuweibi, Eastern Desert, Egypt. Geol. Surv. Egypt, Rep. Cairo, Egypt, 38 p.
- Salah, S. El Balakssy, Fathy, A. Amar, Hamed, I. Mira and Nagdy, L. Abdu., (2005)-** Mineralogical and sedimentological character of garnet from West Rosetta, Egypt. J. Of the sedimentological Soc. Of Egypt. V. 13, pp. 133-150.
- Sarma, D.D. and Kock, G. S., (1980)-** A statistical analysis of exploration geochemical data for Uranium: Mathematical Geology, V. 12, No. 2, PP. 99-114.
- Saxena, S. K., (1966)-** Evaluation of zircon in sedimentary and metamorphic rocks. J. Sed., Vol. 2, pp. 1-33.
- Schiff, K. and Weisberg, S. B., (1997)-** Iron as a reference element for determining trace metal enrichment in California coastal shelf sediments. pp. 68-77 in: Southern California Coastal Water Research Project Annual Report 1996. Southern California Coastal Water Research Project. Westminster, CA.
- Schiff, K. and Gossett, R. W., (1998)-** Southern California Bight 1994 Pilot Project: III. Sediment chemistry. Southern California Coastal Water Research Project. Westminster, CA.
- Shalaby and Moharem., (2001)-** Geochemistry and radioelement distribution in the fresh and altered hammamat sedimentary rocks along Wadi Belih, Southern Gabal Um Tawat, North Eastern Desert, Egypt. Sedimentology Soc. Of Egypt. V. 9, pp. 145-155.
- Shapiro, L. and Brannock, W. W., (1962)-** Rapid analysis of silicate, carbonate and phosphate rocks. U. S. Geol. Surv. Bull. 1144A, 56p.
- Silver, L. T. and Deutsch, S. (1963)-** Uranium lead isotopic variation in zircon, a case study. J. Sed. Pet., Vol. 71, pp. 721-758.
- Streckeisen, A. L. (1976a)-** Classification of the common igneous rocks by means of their chemical compositions. A provisional Attempt. N. Jb. Min. Jour., P. 1-15.
- Surour, A. A., El-Kammar, A. A., Arafa, E. H. and Korany, H. M., (2003)-** Dahab stream sediments, South Eastern Sinai, Egypt : a potential source of gold, magnetite and zircon. Journal of Geochemical Exploration 77 (2003), pp. 25-43.

- Takla, M. A., El Sharkawawy, M. A. and Basta, F. F., (1982)-** Petrology of the basement rocks of Gabal Mohsgsra, Ghadir area, Eastern Desert, Egypt. *Ann. Of the Geol. Surv. Egypt*, Vol. 12. pp. 121-140.
- Taylor, S. R., Arculus, R., Perfit, R. and Johnson, R. W., (1981)-** Island arc basalts, in basaltic volcanism on the terrestrial planets (basaltic volcanism study project). New York, Pergamon Press, pp. 193-213.
- Technoexport contract (1980)-** Vertical Magnetic gradient survey of El-Nabi area, *Geo. Surv. Of Egypt*. Internal report
- Thornton, C. P., and Tuttle, O. F. (1960)-** Chemistry of igneous rocks. Differentiation Index. *Amer. J. Sci.*, 258, 664-684.
- Tucker, M. E., (1982)-** Sedimentary petrology. An Introduction, *Geoscience Texts*, BlackWell Scientific Pub. Vol. 3, Oxford-London, Edinburg, Boston, Melbourne.
- Vincent, E. A., (1960)-** Ulvospinel in the Skaergaard intrusion, Greenland, *N. J. B. Miner. Adh., Fest Ramdohr*, Vol. 94, pp. 993-1016.
- Wentworth, C. K., (1922)-** A scale of grade and class terms for clastic sediments. *J. Geol.*, Vol. 30, pp. 377-392.
- White, A. J. R. and Chappel, B. W., (1983)-** Granitoid types and their distribution in the Lachlan fold belt, Southeastern "Australia" *Geol. Sec. Am. Mem.*, No. 159, p. 21-34.
- Wilson, M. (1989)-** "Igneous Petrogenesis". Unwin Hyman, London. 466 p.
- Wright, G. B., (1969)-** A simple alkalinity ratio and its application to questions of nonorogenic granite genesis. *Geol. Mag.*, Vol. 106, pp370-384.
- Wu, R. S. S. and Shin, P. K. S., (1997)-** Sediment characteristics and colonization of soft-bottom benthos: A field manipulation experiment. *Marine Biology* 128:475-487.
- Uytenbogaardt, W. and Burke, E. A. J., (1971)-** Tables for microscopic identification of ore minerals. Dover Pub., Inc. New York, USA.
- Zaki, M. A. E., (2007)-** Study of the relation between albite-enrichment and u-anomalies in Um Naggat and Abu Dabbab granitic bodied, Eastern Desert, Egypt. M. Sc. Thesis, Fac. Of Sci. Benha Univ., Egypt.

Zmarzly, D. L., Stebbins, T. D., Pasko, D., Duggan, R. M. and Barwick, K. L., (1994)- Spatial patterns and temporal succession in softbottom macroinvertebrate assemblages surrounding an ocean outfall on the southern San Diego shelf: Relation to anthropogenic and natural events. *Marine Biology* 118:293-307.