

REFERENCES

REFERENCES

- [1] Bowen H.J. M.; "Environmental Chemistry of the Elements", Academic press Inc.(London) LTD (1979).
- [2] Sugiyama, Y., Kumagai, T.; J. Anal. Sci., 17, 77 (2001).
- [3] Friedlander, G., Kennedy, J. W., Macias, E.S. and Miller, J.M.; "Nuclear and Radiochemistry", 3rd edition, John Wiley and Sons, New York (1981).
- [4] Alpher R.A. and Herman R.C.; "Origin and Abundance Distribution of Elements", Annu. Rev. Nucl. Sci. 2,1 (1953).
- [5] EL Afifi, E.M.; "Extraction and Determination of some Radioisotopes Using Organic Materials", M.Sc, Thesis, Zagazig University, Benha, Egypt, (1997).
- [6] Seelmann-Eggebert W., Pfenning G., Munzel H. and Kewenebius; "Chart of the Nuclides," 5th edition (1981).
- [7] Khan S.A., Rahman R.U. and Khan M.A.; J. of Radioanalytical and Nuclear Chemistry, Articles, 207, No. I, 19 (1996).
- [8] Ganapathy S., Pillai K.C. and Ganguly A.K.; "Absorption trace Elements by Near Shore Sea Bed Sediments", Bhabha Atomic Research Centre, Indira, B.A.R.C. 376 (1968).
- [9] Rickes E.L., Brink N.G., Koniuszy F.R., Wood T.R. and Folkers I. T.; Science 108, 134 (1948).
- [10] Burk D., Hearon J., Caroline L. and Schade A.L.; J. Biol. Chem. 165, 723 (1946).
- [11] Myers W.G.; Am.J. Roentgenol. Radium Therapy 60, 816 (1948).
- [12] Haissinsky, M. and Adloff, J.P.; "Radiochemical Survey of the Elements", New York, 25 (1965).
- [13] Dean, J.A.; "Lang's Handbook of Chemistry" 13th edition, McGraw Hill, New York (1985).

- [14] Steinberg; E.P. and Glendenin, L.E.; proc. of the Int.Conf. on the Peac. Uses of Atomic Energy, Geneva 7 (3), 614 (1955).
- [15] Greenwood, N.N. and Earnshaw, A.; "Chemistry of The Elements", Pergamon Press, Oxford (1984).
- [16] Cotton, F.A. and Wilkinson, G.; "Advanced Inorganic Chemistry", Willy Interscience, New York (1980).
- [17] Vogel, J.H.L. zeit. Prakt. Geol., 6, 225, 314, 377, 413 (1898); 7, 10, 274 (1899)
- [18] De; A.K.; "A Text book of Inorganic Chemistry", Wiley- Eastern-Limited, Indian (1992).
- [19] Rose. H.; Sitzber. Akad. Berlin 167, 459, 598, 793 (1851).
- [20] Mailfert. A.; Compt. Rend., 94, 860, 1186, (1882).
- [21] Stromholm.D.; Zeit. anorg. Chem., 38, 444, (1904).
- [22] Athanasescu.N.; Bull. Soc. Chem., 3, 13, 180, (1895).
- [23] Hassan. T.S.; S. S. M. Organic Analysis Using Ion Selective Electrodes, Vols. I-II, Academic Press: London (1982).
- [24] Pranitis, D.M.; Telting- Diaz, M.; Meyerhoff, M.E., Critical Reviews in Anal. Chem., 23 (3); 163 (1992).
- [25] George R. Aiken, Diane M. Mcknight, Robert L. Wershaw and Patrick Maccarthy; "Humic Substances in Soil, Sediment and Water", John Wiley and Sons, New York, 14 (1985).
- [26] Stevenson F.J.; "Humus Chemistry" John Wiley and Sons New York (1982).
- [27] Dubach P. and Mehta N.C.; "The Chemistry of Soil Humic Substances". Soils and Fertilizers 26, 239 (1963).
- [28] Flaig W., Beutelspacher H. and Rietz E; "Chemical Composition and Physical Properties of Humic Substances" In soil Component: Volume 1. Organic Components (J.E. Gieseking, ed.) Springer-Verlag, New York, 1 (1975).
- [29] Schnitzer M. and Khan S.U.; (eds.) "Soil Organic Matter"; New York, 319 (1978).

- [30] Steinberg C. and Baltes G.F.; "Arch. Hydrobiol," **100**,61 (1984).
- [31] Schnitzer M. and Khan S.U.; "Humic Substances in the Environment", Marcel Dekker New york, 327 (1972).
- [32] Achard F.K.; Crell's chem. Ann.,**2**,391 (1786).
- [33] Sprengel C.; Kastner's Arch. Ges. Naturlehre, **8**,145(1826).
- [34] Sprengel C.; Die Bodenkunde Oder die Lehre vorm Boden, Muller, Leipzig, (1837).
- [35] De Saussure T.; Recherches Chemiques Sur La Vegetation, Paris (1804).
- [36] Dobereiner J.W.; Pylochemie,**1822**, 64, (1822).
- [37] Waksman S.A.; "Humus", Williams and Wilkins, Baltimore, (1936).
- [38] Berzelius J.J.; Lehrbuch der chemie, Wohler, Dresden and Leipzig, (1839).
- [39] Swanson V.E.and Palacas J.G.; US Geological Survey, Bulletin, **1214-B**,B₁ (1965).
- [40] Griffith,S.M.and Schnitzer, M.;Soil Sci Soc. Am. Proc., **39**,861(1975).
- [41] Bohn, H.; "Estimates of Organic Carbon in World Soils" Soil Sci. Soc. Am. J. **40**, 468(1976).
- [42] Flaig, W.; "The Chemistry of Humic Substances" Rep. of FAO/IAEA Technical Meeting, Pergamon, Elmsford, New York., **103** (1966).
- [43] Kumok, V.N. and Serebrennikov.V.V.; Russ. J. Inorgi. Chem. **10**, 1095 (1965).
- [44] Felbeck, G.T.; "Chemical and Biological Characterization of Humic Matter", Vol. 2 Marcel Dekker, New York, 36 (1971).
- [45] Imam, D.M., "Chemical Investigations on the Interaction of some Radionuclides with Humic Materials, M.Sc.These Faculty of Scince Ain Shams University, Cairo, Egypt, (1996).
- [46] Spiteller, M. and Schnitzer, M.; Soil Sci.Soc.Am.J., **40**,682 (1976).

- [47] Aiken, G.R., Thurman, E.M., Malcolm, R.L. and Walton, H.F., *Anal. Chem.*, **51**, 1799 (1979).
- [48] Springer, U.; *Bodenk. Pflanzenernahr.* **6**, 312 (1938).
- [49] Chen, Y. and Schnitzer, M.; *Soil Sci. Soc. Am. J.*, **40**, 866 (1976).
- [50] Hatcher, P.G., Breger, I.A., Maciel, G.E. and Szeverenyi, N.M.; "Humic Substances in Soil, Sediment and Water", Wiley inter Science, New York, 276 (1985).
- [51] Ghosh, S.K. and Schnitzer, M.; "Macromolecular Structures of Humic Substances", *Soil Sci.*, **129**, 266 (1980).
- [52] Theng, B.K.G., Wake, J.R.H. and Posner, A. M.; *Plant and Soil* **29**, 305 (1968).
- [53] Gessing, E.T. and Borglind, L.; *Arch. Hydrobiol.* **92**, 24 (1981).
- [54] Vanvleet, E.S. and Quinn, J.G.; *Environ. Sci. Technol.* **11**, 1086 (1977).
- [55] Szilagyi, M.; *Soil Sci.* **111**, 233 (1971).
- [56] Skogerboe, R.K. and Wilson, S.A.; *Anal. Chem.* **53**, 228 (1981).
- [57] Goodman, B.A. and Cheshire, M.V.; *Nature*, **229**, 618 (1982).
- [58] Drake, E.H. and Motto, H.L.; *Soil Sci.* **133**, 281 (1982).
- [59] Steelink C.; "Elemental Characteristics of Humic Substances", in Aiken, G.R. Mcknight, D.M. Wershaw, R.L. and MacCarthy, P. Eds., *Humic Substances in Soil, Sediment and Water*, John Wiley, New York, 457 (1985).
- [60] Perdue, E.M.; "Acidic Functional Groups in Humic Substances," in Aiken, G. R.; Mcknight, D.M.; Wershaw, R.L.; and MacCarthy, P. Eds., *Humic Substances in Soil, Sediment, and Water*, John Wiley, New York, 493 (1985).
- [61] Schnitzer, M.; "Chemical, Spectroscopic, and Thermal Methods for the Classification and Characterization of Humic Substances," in *proc. Intern. Meetings on Humic substances*, Pudoc, Wageningen, 293 (1972).
- [62] Schnitzer, M.; and Khan, S.U.; *Humic Substances in the Environment*, Marcel Dekker, New York, 212 (1972).

- [63] Stevenson.F.J.; and Butler,J.H.A.; " Chemistry of Humic acids and Related Pigments," in Eglinton, G.; and Murphy, M.T.J.; Eds., Organic Geochemistry, Springer- Verag, New York, 534 (1969).
- [64] Varadachari.C.; and Ghosh.K.; Pant Soil, 77, 305, (1984).
- [65] Chen, Y., Senesi, N. and Schnitzer, M.; Soil Sci:Soc Am.J., 41, 352 (1977).
- [66] Kononva, M.M.; "Soil Organic Matter", Pergamon, Elmsford, New York, 544 (1966).
- [67] Campbel, C.A., Paul, E.A., Rennie, D.A. and McCallum, K.J.; Soil Sci, 104, 217 (1967).
- [68] Liao, W., Christman, R.F., Johnson, J. D. and Millington, D.S.; Environ. Technol., 16, 403 (1982)
- [69] Spiteller, M. and Schnitzer, M.; Soil Sci., 24, 525 (1983)
- [70] Sposito,G,Holtzclaw, K.M.,Levesque, C.S. and John,C.T.; Soil Sci. Soc. Am.J.,46,265 (1982).
- [71] Sposito,G., Holtzclow, M.K.and Baham,J.; Soil Sci. Soc. Am. J., 40,691(1976).
- [72] Cressey, P.J.,Monk, G.R.,Powell,H.K.J.and Tennent, D.J.; Soil Sci.,34,783 (1983).
- [73] Helal, A.A., "Chemical Studies on the Interaction of some Actinides with Certain Environmental Materials", Ph.D.Thesis Faculty of Science, Ain Shams University, Cairo Eygpt, (1989).
- [74] Ishiwatari, R.; Geochemistry of Humic Substances in Lake Sediments, in: "Humic Substances in Soil, Sediment and Water", John Wiley and Sons,New York, 147 (1985).
- [75] Stevenson, F.J.and Butler,J.H.A.; "Organic Geochemistry", Sringer-Verlag, New york,534 (1969).
- [76] Posner, A.M.;Trans. 8th Intern, Congr. Soil Sci., 3,161(1964).
- [77] Torres, R.A. and Choppin, G.R., Radiochemica Acta, 35,143 (1984).
- [78] Martin, A.E. and Reeve, R.; J. Soil Sci.; 9, 89 (1958).

- [79] Bertha E.L. and Choppin, G.R.; Inorg. Nucl. Chem., Pergamon Press, 40,655(1978).
- [80] Schnitzer, M. and Ghosh, K.; Soil Sci.; 134, 354 (1982)
- [81] Rao, L. and Choppin, G. R.; RadioChemica Acta, 69, 87 (1995).
- [82] Buffle, J.A.E.; Conference Proceedings de la Commission d' Hydrlogic Appliquee de LA. G.H.T.M., Luniversite d' Orsay, 3 (1977).
- [83] Hatcher, P.G.,Schnitzer, M.,Dennis, L.W. and Maciel, G.E.; J.Soil Sci. Soc.Am; 45, 1089 (1981).
- [84] Duggan, J.C.; and Wiles, C. C.; Compost Sci.; 5, 24 (1976).
- [85] Goluecke, C.G.; Compost Sci., 3,11 (1976).
- [86] Preston, C.M., Mathur, S.P.and Rauthan, B.C.; Sci.,131, 344 (1981).
- [87] Morlensen, J. L.; Soil Sci. Soc. Am. Proc., 27,179(1963).
- [88] Helal A.A.; Investigations on the Binding of Selected Environmental Radionuclides with Certain Natural Materials", M.Sc. Thesis, Ain Shams University Faculty of Scince, Cairo, Egypt (1986).
- [89] Schnitzer, M.; Soil Sci. Soc. Am. Proc. 33,75 (1969).
- [90] Gamble, D.S., Schnitzer, M., and Hoffman, I.;Can. J.Chem. 48, 3197 (1970).
- [91] Randhawa, N. S. and Broadbent, F.; Soil Sci., 99, 295 (1965).
- [92] Khanna, S.S. and Bajawa, J.S.; Indian J. Agr. Res., 4, 323 (1967).
- [93] Martell, A.E. and Calvin, M.; " Chemistry of Metal Chelate Compounds", Prentice- Hall, Inc., Englewood, Cliffs, N. J. (1952).
- [94] Stevenson, F.J.; Soil Sci.,123, 10 (1977).
- [95] Van Dijk H.; Geoderma, 5, 53 (1971).
- [96] Crosser M.L. and Allen H.E.; Soil Sci., 123, 176(1977).
- [97] Zunino H. and Martin S.P.; Soil Sci., 123, 188 (1877).
- [98] Greter F.J.; Buffle J. and Haerdi W.; J. Electroanal. Chem., 101, 211 (1979).

- [99] Bhat G. A., Saar R. A., Smart R. B. and Weder J. H.; *Anal. Chem.*, **53**, 2275 (1981).
- [100] Fitch A. and Stevenson F.J.; *Soil Sci. Soc. Am. J.*, **48**, 1044(1984).
- [101] Ryan D. K., Thompson C.P. and Weber J.H.; *Can.J. Chem.*, **61**, 1505 (1983).
- [102] Ryan D,K, and Weber J. H.; *Anal. Chem.*, **54**, 986 (1982).
- [103] Hamouda I., El-Mofty O.,El-Meshad Y. and El-Nagdy M.;*Proc. 3rd Intern.Conf. Peac. Uses Atom. Energy, Geneva, A/ Conf./ 28*, 453 (1964).
- [104] Helal A.A., Aly H.F., Imam D. M. and Khalifa S.M.; *J. Radio. Anl. Nucl. Chem.*, **227**, (1-2) 49 (1989).
- [105] Helal.A.A., Imam D.M. and Aly H.F.; *J. Radio Anal. Nucl. Chem.* **237**, 1-2, 7 (1998).
- [106] Nash K.L.and Choppin G.R.; *j. Inorg. Nucl. Chem.*, **42**, 1045 (1980).
- [107] Hatcher P.G.,Breger I. A., Dennis L.W and Maciel G.E.; *Ann Arbor Sci., Ann Arbor, MI*, **37** (1983).
- [108] Choppin G.R.; *Radiochemica Acta* **69**, 87 (1995).
- [109] Vogel A.I., *A Text book of Quantitative Inorganic Analysis*, 4rd ed. Longman, 306 (1978).
- [110] Marei, S.A.; Shakshoki, S.K., *Radiochem. Radioanal. Lett.*, **11**, 187 (1972).
- [111] Borggard, O.; K.; *J. Soil Sci.*, **25**, 189 (1974)
- [112] Juo A.S. and Barber S.A.; *Soil Sci.*, **108**, 89 (1969).
- [113] Maccarthy, P. and Rice, J.A.; "Humic Substances in Soil, Sediment and Water", Wily Inter Science, New York, 527 (1985).
- [114] Stevenson,F.J.; "Humus Chemistry", Genesis, Wiley-interscience, New York, 443 (1982).