References:

- [1] Adams, F., and Dams, R., Applied Gamma-Ray Spectrometry, 2nd ed., Oxford,1970.
- [2] IAEA. Extent of Environmental Contamination by Naturally Occurring Radioactive Material (NORM) and Technological Options for Mitigation. Technical Reports Series No.419, 2003.
- [3] Eisenbud, M., and Gessell, T., Environmental Radioactivity from Natural, Industrial and Millitary Sources, 4th ed, London,1997.
- [4] Klement, A.W., CRC Handbook of Environmental Radiation, Florida, 1982.
- [5] Watson,S.J., Jones,A.L., Oatway,W.B., and Hughes,J.S: 2005 Review, Health Protection Agency, Centre for Radiation, Chemical and Environmental Hazards, Radiation Protection Division, Chilton, Didcot, Oxford 2005.
- [6] Kathren, R.L., NORM Sources and Their Origins, 1998.
- [7] http://www.who.int/ionizing_radiation/env/en/ accessed on10/8/2010.
- [8] National Council on Radiation Protection and Measurements. Natural Background Radiation in the United States, NCRP Report No.45, NCRP, Washington, 1975.
- [9] National Council on Radiation Protection and Measurements. Natural Background Radiation in the United States, NCRP Report No.95, NCRP, Washington, 1982.
- [10] <u>http://www.tesec-int.org/TechHaz-site 08/Radiation-2sources.</u> 2010.
- [11] Ebaid, Y.Y., El-Tahawa, M.S., El-Lakany, L, Garcia, S.R., and Brooks, G.H., Environmental Radioactivity Measurements of Egyptian soils, Radiation and Nuclear Chemistry, 2000.

- [12] El-Kameesy,S., Natural Radioactivity of Beach Sand Samples in the Tripoli Region, Northwest Libya, Engineering Environmental Science, 2008.
- [13] Slvasekarapandian,S.,Sivakumar,R.,Manikandan,M.N.,Zeenakshisun dram,Raghunath,V.M., Natural radionuclide distribution in soils of Gulalore, India. Applied Radiation and Isotopes, 2000.
- [14] Malain, D., Regan, P.H., Bradley, D.A., Mathews, M., Al-Sulaiti, H.A., Santawamaitre, T, Measurements of NORM in beach samples along Andaman coast of Thailand after the 2004 tsunami, Nuclear Instruments and Methods in Physics Research A, 2010.
- [15] Santawamaitre, T., Regan, P.H., Bradley, D.A., Mathews, M., Malain, D., Al-Sulaiti, H.A , 2010.
- [16] Mehra,R. Analysis of terrestrial naturally occurring radionuclides in soil samples from some areas of Sirsa district of Haryana, India using gamma ray spectroscopy. Environmental Earth Science. 2010.
- [17] Veiga,R., Sanches,N., Anjos, R.M., Macario,K., Bastos,J,
 Iguatemy,M., Agular,J.G., Santos,A.M.A., Mosquera,B., Carvalho, C.,
 Baptista, F.M., and Umisedo, N.K., Measurements of natural
 radioactivity in Brazilian beach sands, Radiation Measurements, 2006.
- [18] Matiullah, A., Ur-Rehman, S., Ur-Rehman, A., and Faheem, M., Measurement of Radioactivity in the Soil of Behawalpur Division, Pakistan, Radiation Protection Dosimetry, 2004.
- [19] Ramli, A.T., Environmental Terrestrial Gamma Radiation Dose and its Relatinship with Soil Type and Underlying Geological Formations in Pontian District, Malaysia, Applied Radiation and Isotopes, 1997.
- [20] UN. Educational and Cultural Organization, Chao Phraya River
 Basin, Thailand, The 1st UN World Water Development Report: Water

for People, Water for Life, UNESCO and Berghahn Books, 2003.

- [21] Debertin, K., and Helmer, R.G., Gamma and X-Ray Spectrometry with Semiconductor Detectors, Amsterdam: Elsevier Science Publishers B.V, 1988.
- [22] Matiullah, Ahad, ur Rehman A., ur Rehman S., S.Faheem, M., , Measurement of radioactivity in the soil of Bahawalpur division, Pakistan. Radiation Protection Dosimetry, 2004.
- [23] UNSCEAR, Effects of Atomic Radiation to the General Assembly, in United Nations Scientific Committee on the Effect of Atomic Radiation, United Nations: New York 2000.
- [24] Chen S. B., Zhu Y. G., Hu Q. H., Soil to plant transfer of 238U,226Ra and 232Th on a uranium mining-impacted soil from southeastern China. Journal of Environmental Radioactivity, 2005.
- [25] Brigido Flores, O., Montalvan Estrada A. et al., Natural radionuclide content in building materials and gamma dose rate in dwellings in Cuba. Journal of Environmental Radioactivity, 2008.
- [26] UNSCEAR, Effects of Atomic Radiation to the General Assembly, in United Nations Scientific Committee on the Effect of Atomic Radiation. 2000.
- [27] O'Brien, Richard, Barriers and Burdens, in IBC Third International Conference on Natural Radiation. 2007.
- [28] IAEA, Terminolog Used In Nuclear, Radiation Waste And Transport Safety: Version 2.0., in Safety Glossary. 2006.
- [29] Shaw, Peter, Natural Radiation & NORM: Defining the challenge, in the 3rd International Conference on Natural Radiation & NORM, IBC Global Conferences: London 2007.
- [30] Munazza Faheem, Mujahid, S.A. and Matiullah, Assessment of

radiological hazards due to the natural radioactivity in soil and building material samples collected from six districts of the Punjab province-Pakistan. Radiation Measurements, 2008.

- [31] Commission European, Radiological Protection Principles concerning the Natural Radioactivity of Building Materials,, in Radiation Protection 112. 1999, Office for Official Publications of the European Communities
- [32] IAEA, Application of the Concepts of Exclusion, Exemption and Clearance, in Safety Standards Series No. RS-G-2004.
- [33] Wymer, D.G. Managing Exposure to NORM-Consenus or Chaos, in Proceedings of an international symposium. Seville, Spain: International Atomic Energy Agency (IAEA), Vienna 2007.
- [34] Jobbagy, V., Somlai, J., Kovacs, J., Szeiler, G., Kovacs, T.
 Dependence of Radon Emanation from Red Mud on Heat Treatment. in Proceedings of an international symposium. Seville, Spain: International Atomic Energy Agency (IAEA), Vienna.2007
- [35] Birky, B.K. . Inhalation Doses and Regulatory Policy in Wet Acid Processing of Sedimenatry Phosphate Rock. in Proceedings of an international symposium,. Seville, Spain (IAEA), Vienna.2007
- [36] Leopold, K. . Chemical Types of Bonding natural Radionuclides in Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM). in Proceedings of an international symposium.. Seville, Spain: International Atomic Energy Agency (IAEA).2007
- [37] Tsurikov, N. Trade in Radioactive Materials-Potential Problems and Possible Solutions. in Proceedings of an international symposium. Seville, Spain: International Atomic Energy Agency (IAEA), Vienna 2007.

- [38] Zampieri, C., Trotti, F., Andreoli, F., Ballarin Denti A. NORM in the Italian Tile and Refractory Industries. in Proceedings of an international symposium.. Seville, Spain: International Atomic Energy Agency (IAEA), Vienna.2007
- [39] Hilton, J. . Towards a Managment and Regulatory Strategy for Phosphate Acid and Phosphogypsum as Co-products. in Proceedings of an international symposium.. Seville, Spain: International Atomic Energy Agency (IAEA), Vienna.2007
- [40] PohI-Rüling, J., The scientific development of a former gold mine near Badgastein, Austria, to the therapeutic facility. Thermal Gallery', Environmental International 1993.
- [41] Sohrabi, M. M., BeitoUahi, M. M., Lasemi, Y. and Amin Sobhani, E.
 . Origin of a new high level natural radiation area in hot spring region of Mahallat, Central Iran. in Proceedings of 4th International Conference on High Levels of Natural Radiation, 1996.
- [42] , K.P., An Overview of Naturally Occurring Radioactive Materials (NORM) in the Petroleum Industry. 1992.
- [43] Anderson, B., Dealing with Radioactive Scale in Offshore Oil Production. Ocean Industry, 1990.
- [44] Veil, John A., Puder Markus G., Elcock Deborah, and Robert J.Redweik Jr., A White paper Describing Produced Water fromProduction of Crude Oil, Natural Gas, and Coal Bed Methane. 2004.
- [45] Veil, J.A., An Overview of Applications of Downhole Oil/Water Separators presented at the Produced Water Workshop: Aberdeen, Scotland.2003
- [46] Omar, M., The Status of Activities involving NORM in Malaysia, RCA Expert Advisory Group Meeting to Review and Develop

Radiation Protection Guidance for Naturally Occurring Radioactive Materials in the Oil and Gas and other Minerals Extraction and Processing Industries, Editor, Mar. Sydney1998.

- [47] Omar, M., Hamzah, S. and Yunus, M.N.M., Radioactivity partitioning of oil sludge undergoing incineration process. in Proceedings International Nuclear Conference 97), Kuala Lumpur 1997.
- [48] Mohammed Salem Al-Leswas, Evaluation of Natural Radioactivity in Environmental Samples, September, M.Sc thesis, Department of Physics, University of Surrey.2010.
- [49] Nasser Alaboudi, Measurements of activity concentrations of 238U and 226Ra in soil samples collected from an elevated area around an onshore oil field using High-Resolution Gamma-ray Spectrometry, September 2010.
- [50] Malain, D. (2009). Measurement of Norm in Beach and Sand Samples along the Andaman Coast of Thailand after the , Tsunami.2004
- [51] Huda Al-Sulaiti, Determination of Natural Radioactivity Levels of the State of Qatar Using High- Resolution Gamma-ray Spectrometry, PhD thesis, Department of Physics, University of Surrey.2011
- [52] Gilmore, G.R., Practical Gamma-ray Spectrometry. 2nd ed. 2008, England: John Wiley & Sons Ltd. ISBN: 2008.
- [53] Krane, Kenneth S., Introductory nuclear physics, Kentheth S. Krane. Chichester: Wiley, New York. 1988.
- [54] P.H. Regan, Lecture notes in Dosimetry Basics. Dept. of Physics, University of Surrey, UK, 2010.
- [55] Nriagu, J.O. (199 1). Human influence on the global cycling of the metals. In J.G. Farmer (ed.) heavy metals in the environment. CEP consultants Ltd., Edinb urgh, UK.1:1-5.

- [56] (ATSDR 2001a; OSHA 1992; Vu 1993).(Meeker et al. 2001; Wylie and Verkouteren 2000). See the Chemistry of Amphibole Minerals section.
- [57] FDEP. 2000. Ecological Assessment of the Wekiva River: Seminole, Lake and Orange Counties. Florida Department of Environmental Protection. Division of Resource Assessment and Management. Bureau of laboratories. August 2000.
- [58] Amaral et al. 2006a, Lar and Usman 2012 and Patryk et al. 2012.
- [59] D. F., Eneji, A. E. and Eshiet, U. J. (2011). Organic and mineral fertilizers effects on the performance of sweet maize (Zea mays L. saccharata Strut.) in south eastern rainforest zone of Nigeria. Int'l J. Agric. Scis., 3(1):54-61
- [60] <u>Patryk</u> Mon.Not.Roy.Astron.Soc. 422 (2012) 772 arXiv:1111.4891[astro-ph.SR]
- [61] Lar U A and Usman AM (2012) Environmental Distribution of Trace Metals in the Biu Volcanic Province Nigeria: Exposure and Associated Human Health Problems. International Journal of Scientific & Engineering Research. 3(10): 2229-5518.
- [62] Sadovska V (2012) Health risk assessment of heavy metals adsorbed in particulates. World Academy of Science, Engineering and Technology. 68. 2151-2158.
- [63] ALLOWAY B.J. (1995): Heavy Metals in Soils. Chapman & Hall, London.
- [64] Brooks, J. (1995). Training and Development Competence: a practical guide, London: Kogan Page.
- [65] Adriano, D.C. (1995). Soil contamination and remediation:philosophy, science and technology, pp. 465-504. In: Contaminated

soils: 3rd international conference on the biochemistry of trace elements. Prost, R. (Eds). INRA, Paris.

- [66] McGrath, S.P., Zhao, F.J. and Lombi, E. (2001). Plant and rhizosphere processes involved in phytoremediation of metal-contaminated soils.Plant and Soil. 232: 207- 214.
- [67] W. M. Haynes, ed., CRC Handbook of Chemistry and Physics, CRC Press/Taylor and Francis, Boca Raton, FL, 95th Edition, Internet Version 2015, accessed December 2014.
- [68] Tables of Physical & Chemical Constants, <u>Kaye & Laby Online</u>, 16th edition, 1995. Version 1.0 (2005), accessed December 2014.
- [69] J. S. Coursey, D. J. Schwab, J.J. Tsai, and R. A. Dragoset, <u>Atomic Weights and Isotopic Compositions(version 3.0)</u>, 2010, National Institute of Standards and Technology, Gaithersburg, MD, 2014.
- [70] T. L. Cottrell, The Strengths of Chemical Bonds, London, 1954.
- [71] Brimecombe, M.J., De Leij, F.A. and Lynch, J.M. (2001). The effects of root exudates on rhizosphere microbial populations, pp. 95-137. In: The rhizosphere: Biochemistry and organic substances at the soil-plant interface. Pinton, R., Varanini, Z. and Nannipieri, P. (Eds). Marcel Dekker Inc., New York.
- [72] Kandeler, E., Tscherko, D., Bruce, K.D., Stemmer, M., Hobbs, P.J., Bardgett, R.D. and Amelung, W. (2000). Structure and function of the soil microbial community in microhabitats of a heavy metal polluted soil. Biology and Fertility of Soils. 32 (5): 390- 400.
- [73] Peter and Werner, 1989.
- [74] Kopp, P., Burkart, W., 1989, "Radionuclides in the environment" J.Radiation physics and Chemistry, Vol. 34, No. 2, pp. 193-194.

- [75] RADIOLOGICAL SAFETY ASPECTS OF THE OPERATION OF ELECTRON LINEAR ACCELERATORS, I N T E R N A T I O N A L A T O M I C ENERGY A G E N C Y IAEA, VIENNA, 1979 STI/DOC/IO/188 ISBN 92-0-125179-3
- [76] Commission of the European Communities, 1993. "Radiation protection; Fifth international symposium on the natural radiation environment", Report EUR 14411 EN.
- [77] MacKenzie, C. L., Jr. 2000. The abundances of small invertebrates in relation to sea lettuce, Ulva lactuca, mats. Bull. N.J. Acad. Sci. 45(1):13–17.
- [78] Eisenbud, 1987, UNSCEAR, (1988): Sources, effects and risks of ionizing radiation. United Nations Scientific Committee on the Effects of Atomic Radiation, Report to the General Assembly, with annexes, United Nations, New York.
- [79] UNSCEAR,1988, Oosterhuis, L., (1992): Radiological aspects of the non-nuclear industry in the Netherlands. Radiation Protection Dosimetry 45, 703–705.
- [80] UNSCEAR,1988, Oosterhuis, L., (1992): Radiological aspects of the non-nuclear industry in the Netherlands. Radiation Protection Dosimetry 45, 703–705.; Al Kuasayer and Al-Haj, M. (1987). Social change and family processes. London: Westview.
- [81] NCRP An Overview 1981-2001: National Cancer Registry Programme (ICMR), Bangalore, 2001
- [82] Harb, S. 2004. On the human radiation exposure as derived from the analysis of natural and man-made radionuclides in soils, ZSR, Hanover University, Germany

- [83] Krane, Kenneth S., Introductory nuclear physics, .Chichester:Wiley, New York. 1988.
- [84] Curie, M., Debierne, A., Eve, A. S., Geiger, H., Hahn, O., Land, S. C., St. Meyer, Rutherford, E., Schweidler, E., the Radioactive Constants as of 1930, in Review of Modern Physics. 1931, The International Radium-Standards Commission.1931.
- [85] UNSCEAR, Effects of Atomic Radiation to the General Assembly, in United Nations Scientific Committee on the Effect of Atomic Radiation., UN: New York.2000.
- [86] Malain, D., Measurements of NORM in Beach Sand Samples along the Andaman Coast of Thailand after the 2004 Tsunami. MPhil to PhD Transfer Report, University of Surrey, 2009.
- [87] Lapp, R.E., and Andrews, H.L., Nuclear Radiation Physics, 4th edition, London: Sir Isaac Pitman and Sons Ltd., 1972.
- [88] IAEA, Terminolog Used In Nuclear, Radiation Waste And Transport Safety: Version 2.0., in Safety Glossary, IAEA: Vienna.2006.
- [89] Munazza Faheem, Mujahid, S.A. and Matiullah, Assessment of radiological hazards due to the natural radioactivity in soil and building material samples collected from six districts of the Punjab province-Pakistan. Radiation Measurements, 2008.
- [90] Radford, D.C., RadWare, in Nucl. Instrum. Methods Phys, 1995.
- [91] Commission European, Radiological Protection Principles concerning the Natural Radioactivity of Building Materials, in Radiation Protection,Office for Official Publications of the European Communities Luxembourg.1999.
- [92] IAEA, Application of the Concepts of Exclusion, Exemption and Clearance, in Safety Standards Series No. RS-G,IAEA: Vienna.2004.

- [93] White, R.E. 1987. "Introduction to the Principles and practices of soil science"; Black well Publication.
- [94] Abrahams P.W., 2002. Soils: their implications to human health. The Science of the Total Environment 291, 1–32
- [95] Merdanoglu B., Altinsoy N., 2006. Radioactivity concentrations and dose assessment for soil samples from Kestanbol granote area. Radiation protection and dosimetry 121 (4), 399-405
- [96] El-Reefy, H.I., Sharshar, T., Zaghloul, R. and Badran, H.M.,
 "Distribution of Gamma-ray Emitting Radionuclide in the Environment of Burullus Lake: I. Soils and Vegetations". Journal of Environmental Radioactivity, 87, 148-169, 2006.
- [97] Akira Takeda, Kazuhiko Kimura, Shin-ichi Yamasak, 2004. Analysis of 57 elements in Japanese soils, with special reference to soil group and agricultural use. Geoderma 119, 291–307.
- [98] <u>http://www.physics.isu.edu/radinf/radon.htm</u> (13-05-05).
- [99] http://www.rpii.ie/radon/natsurv.html (13-05-05).
- [100] <u>http://www1.umn.edu/eoh/hazards/hazardssite/radon/radonriskassess</u> ment.html
- [101] www.brad.ac.uk/acad/envsci/radon_hotline/ACADEMIC (10-05-05.
- [102] James Lake, Indoor Radon Activity, Journal of Nuclear Science and Technology, 1999.
- [103] <u>MatthevVoelker@thelacledegroup.com</u> 10/29/2014
- [104] United Kingdom National Radiation protection Board http://www.nrpb.org
- [105] US Environmental Protect Agency http:// www.epa.gov/ iaq/radon/ index.html

- [106] Swiss Public Health Department <u>http://www.bag</u>. admin. ch/strahlen/ ionisant/ radon.
- [107] US National Radon Safety Board http://www.nrsb.org/
- [108] US National Research Council, Board on Effects of Ionising Radiation VI Report on Health Effects of Exposure to Radon (full text) http:// www .nap. edu/ books.
- [109] Buchanan smith e.al 2011, Buchanan-Smith, H.M., 2010.Environmental Enrichment for Primates in Laboratories. Adv. in Sci. Res. 5, 41-5
- [110] Ebaid, Y.Y., El-Tahawa, M.S., El-Lakany, L, Garcia, S.R., and Brooks, G.H,2000.
- [111] Khater A E, Higgy R H, Pimpl M ,2001. Radiological impacts of natural radioactivity in Abu-Tartor phosphate deposits, Egypt. Journal of Environmental Radioactivity 55, 255–267.
- [112] Beretka, J., Mathew, P.J. 1985. Natural radioactivity of Australian building materials, Industrial wastes and byproducts. Health Phys., 48: 87 95
- [113] D.J. Kalnicky, R. Singhvi / Journal of Hazardous Materials 83 (2001)93–122
- [114] Sitko, R., Zawisza, B., and Malicka E. (2009). *"+\$-dispersive X-ray fluorescence spectrometer for analysis of conventional and microsamples: Preliminary assessment Spectrochim. Acta Part B 64, 436-441.
- [115] Kalnicky and Singhvi 2001, J. Kalnicky, R. Singhvi / Journal of Hazardous Materials 83 (2001) 93–122
- [116] Clark, R., Anderson, N. B., Clark, V. R., Williams, D.R. (1999).
 Racism as a Stressor for African Americans: A Biopsychosocial Model.
 American Psychologist, 54 (10), 805-816

- [117] Palmer, M.A., Richardson, C.D., 2009. Provisioning services: a focus on fresh water. In: Levin, S.A. (Ed.), The Princeton Guide to Ecology.
 Princeton University Press, Princeton, 625–633 pp
- [118] Dost, Frank N.; Norris Logan; Glassman, Carol 1996. Assessment of human health and environmental risks associated with the use of borax for cut stump treatment. Unpublished, prepared for USDA Forest Service Regions 5 and 6.
- [119] Bertin 1975. BERTIN, P.B. Principles and practice of x-ray spectrometric analysis. New York: Plennum Press, 1975. 1079p.
- [120] Thermo Fisher Scientific 2010.,2010 Thermo Fisher Scientific. All rights reserved. Thermo Fisher Scientific Microm International GmbH is an ISO 9001 Company.
- [121] Parsons JGM, Parsons MJG (2012) The effect of a designated tool on person-centred goal identification and service planning among older people receiving homecare in New Zealand. Health & Social Care in the Community 20: 653-662. DOI:10.1111/j.1365-2524.2012.01081.x.
- [122] Criss 1976.US National Research Council, Board on Effects of Ionising Radiation VI Report on Health Effects of Exposure to Radon (full text) http:// www .nap. edu/ books.
- [123] Maruyama et al. 2008. Maruyama, S., Santosh, M., Zhao, D., 2007. Superplume, supercontinent, and postperovskite: mantle dynamics and anti-plate tectonics on the core–mantle boundary. Gondwana Research 11 (1–2), 7–37.
- [124] Forstner, U. and G.T.W. Wittmann, 1983. Metal pollution in the aquatic environment.Springer-Verlag, Berlin, Heidelberg, New York. pp. 481-486.

- [125] German and Svensson 2002. Svensson, C., Hannaford, J., Kundzewicz, Z., Marsh, T., 2006. Trends in river flows: why is there no clear signal in observations? In: Frontiers in Flood Research, IAHS Publ. 305, pp. 1–18.
- [126] Model XLt 700 series, Palmer, M.A., Richardson, C.D., 2009.
 Provisioning services: a focus on fresh water.In: Levin, S.A. (Ed.), The Princeton Guide to Ecology. Princeton University Press, Princeton, 625–633 pp.
- [127] Banerjee 2003, Banerjee, D. and B.K. Niyogi, 2006. Aquatic and sedimentological analysis of the Damodar river within the strech of Asansol to Durgapur. Jr. of Industrial Pollution Control, 22(1): 93-100.
- [128] Beiras, R., Ferna´ndez, N., Bellas, J., Besada, V., Gonza´lez-Quijano,
 A., & Nunes, T. (2003). Integrative assessment of marine pollution in
 Galician estuaries using sediment chemistry, mussel bioaccumulation,
 and embryo–larval toxicity bioassays. Chemosphere, 52(7), 1209–1224.
- [129] Loska K, Wiechula D, Barska B, Cebula E, Chojnecka A. Assessment of arsenic enrichment of cultivated soils in Southern Poland. Pol J Environ Stud 2003;12:187 – 92
- [130] Martin and Griswold 2009.Center for Hazardous Substance Research Kansas State University • 104 Ward Hall • Manhattan KS 66506 • 785-532-6519 • www.engg.ksu.edu/CHSR/
- [131] Steinmaus, C., Yuan, Y., Bates, M.N., Smith, A.H., 2003. Casecontrol study of bladder cancer and drinking water arsenic in the western United States. Am. J. Epidemiol. 158, 1193–1201.
- [132] Pope CA III, Ezzati M, Dockery DW. Validity of observational studies in accountability analyses: the case of air pollution and life expectancy. Air Quality, Atmosphere & Health 2012;5:231-235

- [133] Friedlová M. (2010): The influence of heavy metals on soil biological and chemical properties. Soil and Water Research, 1: 21–27.
- [134] Ristic et al ,Ristic, B., Arulampalam, S., and Gordon, N. (2004).Beyond the Kalman Filter: Particle _lters for tracking applications.Artech House.
- [135] Clarkson 1987; Da Silva et al. 2005; Miller 2004; Walsh and Tilson 1984.
- [136] Sager et al. 1983; R.A.Anisowiz, and N.howell. 1981.23:41, Vogel, T.;
 Cislerova, M.; Hopmans, J.W. 1991. Porous media with linearly
 hydraulic properties. Water Resources Research 27: 2735-2741
- [137]EG&G ORTEC, GammaVision-32: Gamma-Ray Spectrum Analysis and MCA Emulator. Software User's Manual (V 5.1). EG&G ORTEC, 1999.
- [138] Anjos, R.M., Veiga, R., Soares, T., Santos, A.M.A., Aguiar, J.G.,Frascá, M.H.B.O., Brage, J.A.P., Uzêda, D., Mangia, L., Facure,A.P.R.S., Radiation Measurements ,20005
- [139] Lu Xinwe, Radiation Measurements 40, 2005.
- [140] Malanca, A., Passina, V., and Dallara, G., Radiat. Prot. Dosim. 48, 1993.
- [141] Doran, J.W., Sarrantonio, M., Liebig, M.A., 1996. Soil health and sustainability. Advanced in Agronomy 56, 1-54.
- [142] Khater and Al-Sewaidan, 2008; Khater, 2008.
- [143] Koch-Steindl, H., Prohl, G., 2001. Considerations on the behavior of long-lived radionuclides in the soil. Radiation Environmental Biophysics 40, 93-104.

- [144] Powell and Alexander 2003; Mendil and Uluozlu 2007; Wuana and Oklelmen 2011.
- [145] Radu and Diamond 2009. Comparison of soil pollution concentrations determined using AAS and portable XRF techniques, Journal of Hazardous Materials 171 (2009) 1168–1171, Dublin City University, Dublin 9, Ireland
- [146] UNSCEAR, 1988. Sources Effects and Risks of Ionizing Radiation United Nations Scientific Committee on the effects of Atomic Radiation, Report to the general Assembly, with annexes. United Nations, New York
- [147] NCRP (1975). National Council on Radiation Protection and Measurements. Review of the Current State of Radiation Protection Philosophy, NCRP Report No. 43 (out of print).
- [148] Perianez, R., Aguirre, A.M., 1997. Uranium and thorium concentrations in an estuary affected by phosphate fertilizers processing: experimental results and a modeling study. Journal of Environmental Radioactivity 35(3), 281-304.
- [149] UNSCEAR (2000) Report to General Assembly, with Scientific Annexes, Sources and Effects of Ionizing Radiation, United Nations, New York
- [150] Cowart, J.B., Burnett, W.C., 1994. "The distribution of uranium and thorium decay series radionuclides in the environment- A review" J. Environmental Quality, 23, 651-662.
- [151] Khater, A.E.M., AL-Sewaidan, H.A., 2008. Radiation exposure due to agricultural uses of phosphate fertilizers. Radiation Measurements, Volume 43, Issue 8, September 2008, Pages 1402-1407

- [152] Vega, W.A., Scribney, W., Aguilar-Gaxiola, S., et al. (2004) 12month prevalence of DSM-III-R psychiatric disorders among Mexican Americans: Nativity, social assimilation, and age determinants. The Journal of Nervous and Mental Disease, 192:532-541.
- [153] Eisenbud, M., 1987, "Environmental Radioactivity From Natural, Industrial and Military Sources" Academic Press, Inc.
- [154] El-Reefy, H.I., Sharshar, T., Zaghloul, R., & Badran, H. M. (2006).
 Distribution of gamma-ray emitting radionuclides in the environment of Burullus Lake: I. Soils and vegetations. Journal of Environmental Radioactivity, 87, 148-169
- [155] Noureddine, A., Baggoura, B., Larosa, J.J., Vajda, N., 1997. Gamma and alpha emitting radionuclides in some Algerian soil samples. Appl. Radiat. Isot. 48, 1145-1148.
- [156] Shenber, M.A., 1997. Measurement of natural radioactivity levels in soil in Tripoli. Appl. Radiat. Isot. 48, 147-148.
- [157] S.A. El-Reefy and N.S. Awwad, Arab journal of Nuclear Science and Applications, 301 1),281 1997,
- [158] Steinhausler, F., Lettner, H., 1992. Radiometric survey in Namibia.Radiat. Prot. Dosimetry 45, 553-555.
- [159] Chowdhury et al., 1999, Chowdhury, M.I., Kamal, M., Alam M.N., Saleha Yeasmin, Mostafa M.N., 2006. Distribution of naturally occurring radionuclides in soil of the southern districts of Bangladesh. Radiation protection and dosimetry 118 (1), 126-130.
- [160]Ziqiang, P., Yin, Y., Mingqiang, G., 1988. Natural radiation and radioactivity in China. Radiat. Prot. Dosimetry 24, 29-38.
- [161] Leung, K.C., Lau, S.Y., Poon, C.B., 1990. Gamma radiation dose from radionuclides in Hong Kong soil. J. Environ. Radioact. 11, 279-290

- [162] Narayana, Y., Somashekarappa, H.M., Karunakara, N., Avadhani,
 D.N., Mahesh, H.M., Siddappa, K., 2001. Natural ra- dioactivity in the soil samples of coastal Karnataka of south India. Health Phys. 80, 24-33..
- [163] Radhakrishna, A.P., Somashekarappa, H.M., Narayana, Y., Siddappa, K., 1996. Distribution of some natural and artificial radionuclides in Mangalore environment of South India. J. Environ. Radioact. 30, 31-54.
- [164] Al Hamarneh, I., Wreikat, A., Toukan, K., 2003. Radioactivity concentrations of ⁴⁰K, ¹³⁴Cs, ¹³⁷Cs, ⁹⁰Sr, ²⁴¹Am, ²³⁸Pu and ^{23 & 240}Pu radionuclides in Jordanian soil samples. J. Environ. Radioact. 67, 53-67.
- [165] Bou-Rabee, F., 1997. Soil radioactivity atlas of Kuwait. Environ. Int. 23, 5e15.
- [166] Goddard, Cliff. 2002. The search for the shared semantic core of all languages. In Cliff Goddard and Anna Wierzbicka (eds). Meaning and Universal Grammar - Theory and Empirical Findings. Volume I. Amsterdam: John Benjamins. pp. 5-40.
- [167] Abdul-Majid, S., Abulfaraj, W., 1992. Radioactivity concentration in soil in Jeddah area, Saudi Arabia. J. Environ. Sci. Health A27, 105e116.
- [168] Othman, I., Yassine, T., 1995. Natural radioactivity in the Syrian environment. The Science of the Total Environment 170, 119-124.
- [169] Pao-Shan, W., 1996. Distribution of naturally occurring radionuclides in the mountainous areas in Taiwan. Environ. Int.22, S49-S54.
- [170] Fernandez-Aldecoa, J.C., Robayna, B., Allende, A., Poffijn, A., Hernandez-Armas, J., 1992. Natural radiation in Ten- erife (Canary Islands). Radiat. Prot. Dosimetry 45, 545-548.

- [171] Probonas, M., Kritidis, P., 1993. The exposure of the Greek population to natural gamma radiation of terrestrial origin. Radiation Protection Dosimetry 46 (2), 123e126
- [172] McAulay, I.R. and Morgan, D., "Natural Radioactivity in Soils in the Republic of Ireland", Radiat. Prot. Dosimetry 24 (1/4), 47-49. 1988.
- [173] Bellia, S., Brai, M., Hauser, S., Puccio, P., Rizzo, S, 1997. Natural radioactivity in a Volcanic Island in Ustica, Southern Italy. Applied Radiation Isotopes 48:287-293
- [174] Dowdall, M., Gerland, S., Lind, B., 2003. Gamma-emitting natural and anthropogenic radionuclides in the terrestrial environment of Kongsfjord, Svalbard. Sci. Total Environ. 305, 229-240.
- [175] Djuric, G., Dragana, P., Dragana, T., 1996. Activity variations and concentration factors for natural radionuclides in a "soil-plant-honey" system. Environ. Int. 22, S361-S363..
- [176] Quindos, L., Fernandez, P., Soto, J., Rodenas, C., & Gomez, J. (1994).
 Natural radioactivity in Spanish soils. Journal of Health Physics, 66(2), 194-200. http://dx.doi.org/10.1097/00004032-199402000-00010
- [177] Malanca A, Gaidolfi L, Pessina V, Dallara G. 1996. Distribution of 226-Ra, 232-Th, and 40-K in soils of Rio Grande do Norte (Brazil). Journal of En- vironmental Radioactivity 30: 55–67.
- [178] Protz, R., VandenBygaart, A.J., Wood, M.J, Hulshof, B., 1997. Soil micromorphology in a digital raster world. Presented at The XXVI Congress of Brazilian Society of Soil Science. Aug.
- [179] Bossew P. and Strebl F. (2001): Radioactive contamination of tropical rainforest soils in Southern Costa Rica. Journal of Environmental Radioactivity 53, 199 – 213.

- [180] Brown, E. Keith, and Jim Miller (editors). 1996.Concise encyclopedia of syntactic theories. Oxford; New York: Pergamon.
- [181] REPORT, SOURCES, EFFECTS AND RISKS OF IONIZING RADIATION, United Nations Scientific Committee on the Effects of Atomic Radiation 1988 Report to the General Assembly, with Annexes
- [182] Kim, C. S., Lee M. H., Kim C. K., and Kim K. H., 90Sr, 137Cs, 239+240Pu and 238Pu concentrations in surface soils of Korea. Journal of Environmental Radioactivity, 1997.
- [183] Igwe JC, Okpareke OC, Gbaruko BC (2005b). Bioremediation of Co (II), Fe (II) and Cu (II) ions from waste water using modified and unmodified maize husk: Sorption kinetics and Intraparticulate diffusivity. J. Biotech. (In press)
- [184] US Environmental Protection Agency". Retrieved 21 October 2013.
- [185] Ismail,S.A, Atmospheric pollution and environmental effect in Kirkuk area,Iraq,6th intern.conf. on geochemistry, Alex.univ. Egypt 2004