

My Publications:

- (1) **Osman, A.A.A.**, Geipel, G., Barkleit, A., Bernhard, G. (2015): Uranium(VI) binding forms in selected human body fluids: thermodynamic calculations versus spectroscopic measurements. *Chemical Research in Toxicology*, 28(2): 238-247.
- (2) Wang, Y., Fruttschi, M., Suvorova, E., Phrommavanh, V., Descostes, M., **Osman, A. A. A.**, Geipel, G., Bernier-Latmani, R. (2013): Mobile uranium(IV)-bearing colloids in a mining-impacted wetlands. *Nature Communications*, doi:10.1038/ncomms3942.
- (3) **Osman, A. A. A.**, Geipel, G., Bernhard, G., Worch, E. (2013): Investigation of uranium binding forms in selected German mineral waters. *Environmental Science and Pollution Research*, DOI 10.1007/s11356-013-1822-7.
- (4) **Osman, A. A. A.**, Gerhard, G., Bernhard, G. (2013): Interaction of uranium(VI) with bioligands present in human biological fluids: the case study of urea and uric acid. *Radiochimica Acta*, 101(3): 139-148.
- (5) Ebrahim, A. M., Eltayeb, M., Benker, B., Grill, P., Attahir, M., **Osman, A. A.**, Elsadig, M., Michalke, B. (2011): Study on some trace element contents in serum and nail samples obtained from Sudanese subject. *Biological Trace Element Research*, 144: 225-233.
- (6) Khalid, M. A. A., Siddeeg, S. M. B., **Osman, A. A. A.** (2009): Oxidation of Some α -Amino Acids by Peroxydisulfate in an Aqua-Sulfuric Acid Medium, *Kinetics Studies, Journal of Philosophic Nature*, 1(1): 43-59.
- (7) Siddeeg, S.M.B., Sam, A.A., **Osman, A. A.**, Salih, I. (2009): Distribution of ^{238}U , ^{232}Th , ^{40}K , and ^{137}Cs in River Nile sediment. *Journal of Philosophic Nature*, 1(1): 109-120.
- (8) **Osman, A. A. A.**, Salih, I., Shaddad, I.A., Siddeeg, S.M.B., Eltayeb, H., Idriss, H., Hamza, W. (2008): Investigation of natural radioactivity levels in water around Kadugli, Sudan. *Applied Radiation & Isotopes*, 66: 1650-1653.
- (9) Kelderman, P., **Osman, A. A.** (2007): Effect of redox potential on heavy metal binding forms in polluted canal sediments in Delft (The Netherlands). *Water Research*, 41(18): 4251-4261.

Conference Proceeding:

- (1) Frost, L., **Osman, A.A.A.**, Gerhard, G., Viehweger, K., Moll, H., Bernhard, G. (2011): The interaction of U(VI) with some bioligands or the influence of different functional groups on complex formation. In: Merkel, B., Schipek, M. (eds) *The new uranium mining boom: challenge and lessons learned*. Springer, Heidelberg, pp 595-606.

Conferences:

- (2) International Conference on Environmental Radioactivity: From Measurements and Assessments to Regulation. 23 – 27 April 2007, Vienna International Center (VIC), Austria (Oral presentation).
- (3) International 6th Conference on Uranium Mining & Hydrogeology. 18 – 22 September 2011, TU Bergakademie Freiberg/ Saxony, Germany (Oral presentation).
- (4) International Workshop on Uranium Biogeochemistry: Transformations and Applications. 11 – 16 March 2012, CSF (Centro Stefano Franscini), Monte Verità Ascona, Switzerland (Poster presentation).
- (5) International Symposium on Isotope Hydrology: Revisiting Foundation and Exploring Frontiers. 11 – 15 May 2015, Vienna International Center (VIC), Austria (Poster presentation).