

Saifeldin Siddeeg

Permanent: Atomic Energy Commission
Aljamma Street
P.O. Box 3001
Khartoum
Sudan

Current: Center for Radiochemistry research
School of Chemistry
University of Manchester, Oxford Rd
United Kingdom, M13 9PL
Mobile: +44 7749647835

E-mail: saifeldin.siddeeg@manchester.ac.uk; saif.siddeeg@gmail.com

Education

- 2009-2013 PhD in Inorganic Chemistry, University of Manchester, Thesis title “Geochemistry of radionuclides from uranium-enriched river catchments”.
- 2005-2007, Sudan Academy of Sciences, M.Sc. in Radiochemistry, Thesis title “Environmental geochemistry of ^{238}U , ^{232}Th , ^{40}K , ^{137}Cs and some heavy metals in River Nile Sediments”.
- 1998-2003, University of Khartoum, B.Sc. Chemistry (2:1).

Publications

1. **Saifeldin Siddeeg***, N.D. Bryan, F.R. Livens, Dispersion of U-series natural radionuclides in stream sediments from Edale valley, Derbyshire, UK, Environmental Sciences: processes and impact, under review.
2. **Saifeldin Siddeeg***, N.D. Bryan, F.R. Livens, Geochemical characterization of U and Ra in sediments near an abandoned uranium mine, Cornwall, UK, Applied geochemistry, under review.
3. **Saifeldin Siddeeg***, A. K. Sam, Alfatih, A. A. Osman, Isam Salih and Mohammed A. A. Khalid (2009) Distribution of ^{238}U , ^{232}Th , ^{40}K and ^{137}Cs in River Nile Sediments, Khartoum, Sudan. Philosophic Nature 1 (2009), No.1, pp. 109-120.
4. Alfatih A.A. Osman, Isam Salih, Ibrahim A. Shaddad, **Saif Eldin M.B. Siddeeg**, Hatem Eltayeb, Hajo Idriss, Walid Hamza and E.H. Yousif (2008) Investigation of natural radioactivity levels in water around Kadugli, Sudan, Applied Radiation and Isotopes 66 (2008) 1650– 1653.

Teaching experience

- 2010-2013: Part-time teaching assistant, School of Chemistry, University of Manchester.

- 2004-2008: Part-time teaching assistant, School of Chemistry, University of Khartoum.

Work experience

- August 2004- 2007: Research assistant, Environmental Radiochemistry Group, Atomic Energy Commission, Sudan.
- November 2007- November 2009: Researcher, Environmental Radiochemistry Group, Atomic Energy Commission, Sudan.

Additional research experience

1. **Saifeldin Siddeeg et al.**. Determination of trace elements in river sediments using nuclear techniques (PIXE), Progress report, Arab Atomic Energy Agency, December 2007, Amman, Jordan.
2. **Saifeldin Siddeeg et al.**. Determination of trace elements in river sediments using nuclear techniques (PIXE), Final report, Arab Atomic Energy Agency, December 2008, Beirut, Lebanon.

Conferences and symposiums

- 07-11 April 2013, American Chemical Society, Spring Meeting, New Orleans, US, Oral presentation.
- 02-04 April 2012, Coordination Group on Environmental Radioactivity (COGER), Annual Meeting, Portsmouth, UK, Oral presentation.
- 11-16 March 2012, Uranium biogeochemistry: transformations and applications, International Workshop, Monte Verita, Ascona, Switzerland, Poster presentation.
- 12-14 January 2010, Nuclear FiRST DTC Winter School, Buxton, UK, Poster presentation.
- 15-17 September 2010, 11th International Symposium on Environmental Radiochemical Analysis, Royal Society of Chemistry (RSC), Chester, UK

Professional membership

- The Royal Society of chemistry, RSC.
- The American Chemical Society, ACS.
- International Association of geochemistry.

Training courses

- 29-30 May 2013, The chemical speciation modelling software: PHREEQC, National Nuclear Laboratory (NNL), UK.

- 22-31 December 2008, Modeling Reality using the Geographical Information System (GIS), Atomic Energy Commission joined with UNDP, Khartoum, Sudan.
- 15- 19 September 2008, Quality Management for Customer Oriented Services, International Atomic Energy Agency, Accra, Ghana.
- 27 July- 17August 2008, River and Groundwater Assessment and Modeling, UNESCO Chair in Water Resources joined with UNDP, Khartoum, Sudan.
- 12- 23 March 2007, Ion Beam Accelerator Application in the Environment, Arab Atomic Energy Agency, Beirut, Lebanon.
- 5- 9 November 2006, Quality Management System (ISO 17025) for Testing and Calibration Laboratories, International Atomic Energy Agency, Khartoum, Sudan.
- 15 September- 15 December 2006, Basic Radiation Protection Course, Atomic Energy Commission, Khartoum, Sudan,
- 26- 30 June 2005, Sources of Chemical and Radiation Contamination of Water, Arab Atomic Energy Agency, Damascus, Syria.

References

- Professor Francis Livens
Research Director, Dalton Nuclear Institute
University of Manchester
Oxford Road, M13 9PL
Email: francis.livens@manchester.ac.uk
- Dr. Nick Bryan
Director, Center for Radiochemistry Research
University of Manchester
Oxford Road, M13 9SB
E-mail: Nick.Bryan@manchester.ac.uk
- Professor Adam Sam| Research Scientist|
Section of Radiometrics Laboratory |IAEA Environment Laboratories |
Department of Nuclear Sciences and Applications |
International Atomic Energy Agency |
IAEA Environment Laboratories, 4, Quai Antoine 1er, 98000 Monaco, Principality of Monaco |
Email: A.Sam@iaea.org | T: (+377) 97-97-72-22 | F: (+377) 97-97-72-73 |
- Dr. Isam Salih
Director, Radiation Safety Institute, Atomic Energy Commission
P.O. Box 3001, Khartoum, Sudan
E-mail: isamsalih@gmail.com