Zsolt Varga

Personal Data

Date and place of birth 25 February, 1980. Miskolc, Hungary

Contacts

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Education & Training

2007 4th Summer School on Actinide Science and Applications, June 2007, Institute of Transuranium Elements, Karlsruhe

2003-2006 Studies at the Chemistry PhD School, Eötvös Loránd University, research activities at the Institute of Isotopes, Hung. Acad. Sci.

1998-2003 M.Sc. studies, Eötvös Loránd University

2001-2003 Qualification of Environmental Chemistry

2001-2003 Qualification of Structural Chemistry

1998-2002 English Technical Translator, Eötvös Loránd University

1998 Intermediate-level radiation safety certificate

1994-1998 Földes Ferenc Secondary School, Miskolc

Fellowships

2006 IAEA Marine Environmental Laboratory, Radiometrics Dep., Monaco, 3 months (transuranics and ^{99}Tc analysis by ICP-MS and radioanalytical techniques)

2005 IAEA Marine Environmental Laboratory, Radiometrics Dep., Monaco 3 months (method development for the determination of long-lived radionuclides (U, Th, Pu, Am) by ICP-MS and radioanalytical techniques)

August 2004 Forschungszentrum Jülich, Germany, ZCH Mass Spectrometry Laboratory (Method Development for ^{226}Ra Determination by ICP-MS)

November 2003 JRC Institute for Transuranium Elements (Training for the Measurement Radioactive

Samples by HR-ICP-MS)

Achievements

2007 Hevesy Award (Young Scientist category, given by the Somos Foundation and Hungarian Academy of Sciences)

2006 Poster-prize (Osváth Szabolcs, Oroszlány Endre, Varga Zsolt: *Investigation of Environmental and Biological Samples of Chernobyl Origin*, presented at the annual national radiation protection conference)

2004 Hevesy-prize, 3rd place (award given to young scientists at the national Annual Radiochemistry Conferences)

Personal skills & competences

Languages:

- Hungarian (mother tongue)
- English (upper level, technical translator)
- German (intermediate level)
- French (basic)

Research activities

- Elemental analysis by ICP-SFMS using destructive and laser ablation methods
- Method development for the analysis of long-lived actinides (Ra-226, Th, U, Pu, ^{241}Am) from environmental, biological and safeguards samples
- Low-level uranium and plutonium analysis (concentration and isotope ratio measurements) from swipe and environmental samples for safeguards purposes
- Analysis of illicit, confiscated uranium-based nuclear materials
- Age determination of geological matrices using ionium method
- Analytical support to the other departments of the Institute