

## LECTURER'S VITAE

### IAEA-ARGONNE TRAINING COURSE

**Name:** Gyula Kis-Benedek

**Present Position:** Senior Laboratory Technician

**Affiliation:** International Atomic Energy Agency Terrestrial Environment Laboratory

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#### Scope of Present Duties:

Analysis of samples of mainly environmental origin for their radionuclide activities, especially for alpha- and beta-emitting radionuclides from field sampling, sample registration, sample preparation, chemical separation steps for different radionuclides to the activity analysis using high precision low level activity analytical instrumentation and reporting of results. Characterization and preparation of IAEA reference materials and proficiency test samples. Improve existing analytical procedures or develop new methods as necessary. Provide expert advice and training to other laboratories and fellows on field sampling, chemical separation steps, analytical techniques and calibration of measurements. This includes an involvement on subject related TC projects as technical officer, expert or advisor.

#### Most Relevant Past Experience:

Determination of natural and anthropogenic radionuclides in environmental and food samples. Determination of alpha emitting Po, Ra, Th, U, Pu and Am radioisotopes by alpha spectrometry and beta emitting radioisotopes by LSC or beta counting (Sr-90, Sr-89, Pb-210, Pu-241). Gamma spectrometry, in situ gamma spectrometry. Neutron activation analysis. Authority food control.

#### Educational Background:

Dr. tech., Budapest University of Technology and Economics, Hungary  
Qualified (like MSc) Chemist, Kossuth Lajos Tudományegyetem Debrecen (now University of Debrecen ),  
Hungary

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