



Experimental Training in Radioanalysis

S. Möbius¹⁾, H. Sitter²⁾

- 1) German Society for Liquid Scintillation DGFS e.V., Spoecker Weg 54A, 76351 Linkenheim, Germany
- ²⁾ Karlsruhe Institute of Technology (KIT), FTU, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany

Motivation

Experimental Training and Workshops aim to transfer practical knowledge by laboratory work and performing experiments. Radioisoptope Training is practiced at KIT since 50 years. It has been transfered worldwide with emphasis to CMU in Thailand. The way to, curriculum of and results are presented.

Radioisotope Training

- > 1. History/Milestones (National)
 - 1.1.Radioisotope Training RT for Science Students (Hd, Ka) as precondition for MSc and PhD in Radiochemistry (3 to 4 weeks)
 - 1.2. RT for Nuclear Scientists (3 weeks)
 - 1.3. RT for RPO's of highest qualification (2 to 3 weeks) (national → EC wide)
- 2. Radioisotope Training (abroad)
 - 2.1. UFPE Recife (BR)
 - 2.2. IPEN Lima (PE)
 - 2.3. CMU Chiang Mai (TH)
 - 2.4. INET Beijing (CH)
 - 2.5. INSTN Antsiranana (MG)
- > 3. Radioanalysis

 α -, β (LS) -, γ -spectrometry

A. Training Manual Experiments for Training in Nuclear and Radiochemistry



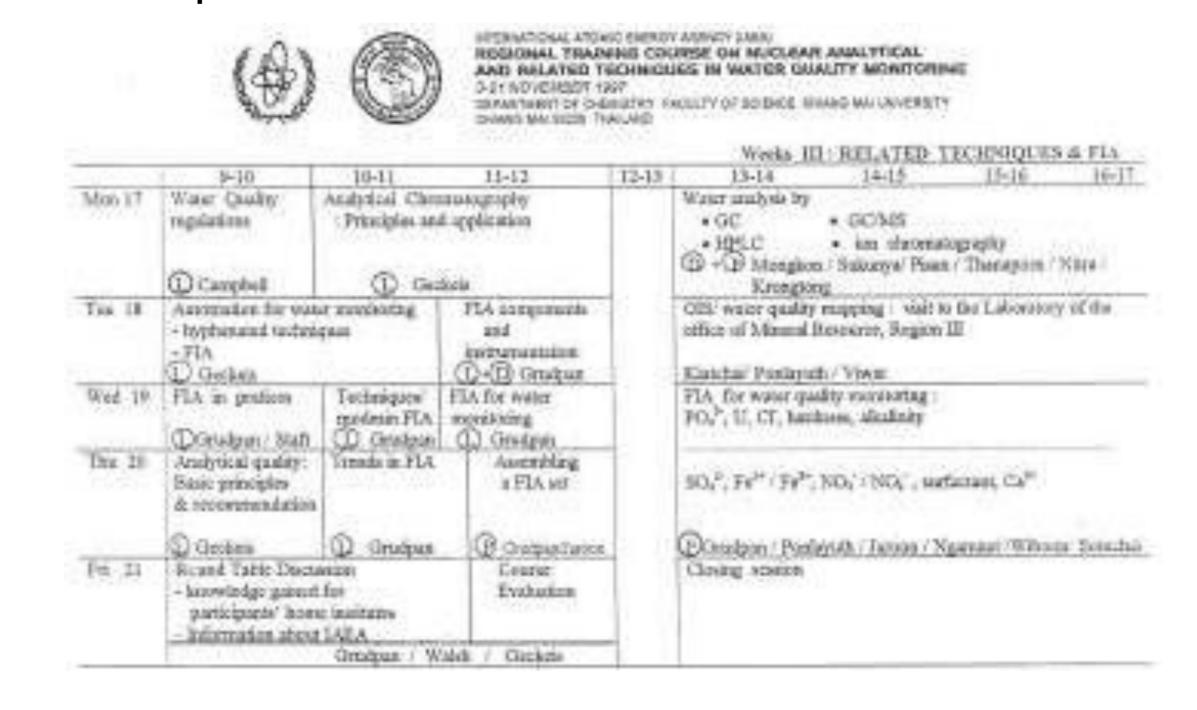




Experimental Training with CMU

- ➤ Workshop on Nuclear and Radiochemistry 8-28 April 1987
- ➤ IAEA National TC on Modern Radiochemistry and Radioanalytical Chemistry 18/1-5/2 1988
- ➤ National TC on Modern Radiochemistry and Radioanalytical Chemistry 23/1-10/2 1989
- ➤ Application of Nuclear and Radiochemical Techniques to Environmental Sample Analyses 21/1-8/2 1991
- Workshop on Radiochemical and Modern Analytical Techniques Applied to Environmental Analysis 3-13 January 1995
- ➤ IAEA Regional TC on Nuclear Analytical and Related Techniques in Water Quality Monitoring 3-21 November 1997

Example for Curriculum week 3:



Heading for More

Experimental Training and Workshop by further combining LSC and FIA

Handbook extention to Flow Injection Analysis FIA Further expanding the collaboration to Academics and Friendship

