Chemistry and Analysis of Radionuclides: Laboratory Techniques and Methodology
Jukka Lehto, Xiaolin Hou

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DESCRIPTION
Written by chemists for chemists, this is a comprehensive guide to the important radionuclides as well as techniques for their separation and analysis. It introduces readers to the important laboratory techniques and methodologies in the field, providing practical instructions on how to handle nuclear waste and radioactivity in the environment.

ABOUT THE AUTHOR
Professor Jukka Lehto is the head of the Laboratory of Radiochemistry at the Department of Chemistry, University of Helsinki. He attained his PhD degree in 1987 at the University of Helsinki. Since 1980 he has worked as a teaching assistant, senior lecturer at the University of Helsinki, visiting researcher at Texas A&M University, USA, senior research fellow of the Academy of Finland, acting professor and since 2005 as a professor in radiochemistry. Professor Lehto’s main research areas have been nuclear waste management and disposal, and environmental radioactivity studies. He has published 160 scientific and technical papers and patents, and also published a book on the principles of radioactivity and radiochemistry in Finnish.

Xiaolin Hou obtained his PhD degree in nuclear and radioanalytical chemistry from the Chinese Academy of Sciences in 1997. He joined Risø National Laboratory, Denmark, in 1998 (in 2007 Risø became part of the Technical University of Denmark), and has been a senior scientist there since 2003. His primary research interests are radiochemical and speciation analysis of radionuclides, nuclear and radioanalytical techniques, environmental radioactivity, radiotracer application, radiolabeling and protein adsorption
on surfaces. Dr. Hou has authored/co-authored more than 110 research articles in peer reviewed scientific journals and 7 book chapters.

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