



**Broder J. Merkel** (born 1949) studied geology and hydrogeology in Munich, where he got his master's and PhD degree. He worked as a scientist at the department of water chemistry in Munich and as a hydrogeologist in his own business in Germany and various foreign countries. After his habilitation in 1992 from the Christian-Albrechts University in Kiel he was offered the chair of hydrogeology at the Technische Universität Bergakademie Freiberg that he holds since 1993. His main research interests are on hydrogeochemical and reactive modeling, the influence of acid mine drainage on groundwater systems, and the application of GIS and remote sensing in hydrogeology.



**Andrea Hasche-Berger** (born 2 October 1976) studied geology from 1995 to 2001 at the Technical University Bergakademie Freiberg. She wrote her Master's thesis about "Tracer Test in the abandoned Fluorspar Mine Straßberg/Harz Mountains, Germany". She is currently working on her Ph.D. thesis, "Development of tracer techniques and hydro-dynamic investigations in flooded underground mines".

Subject of the book is Uranium and its migration in aquatic environments.

The following subjects are emphasised: Uranium mining, Phosphate mining, mine closure and remediation, Uranium in groundwater and in bedrock, biogeochemistry of Uranium, environmental behavior, and modeling.

Particular results from the leading edge of international research are presented.



Merkel · Hasche-Berger  
Editors

Broder J. Merkel  
Andrea Hasche-Berger  
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Uranium, Mining  
and Hydrogeology

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