

TU BERGAKADEMIE FREIBERG

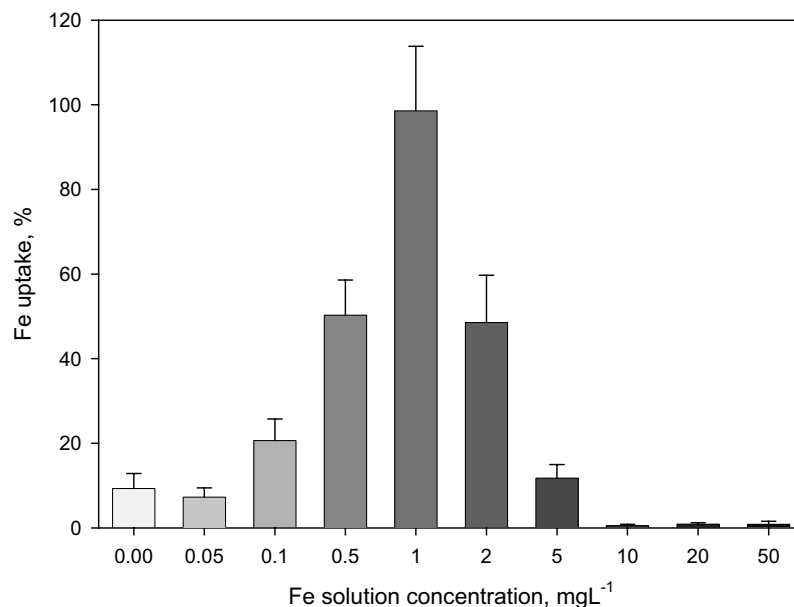
54. Berg- und Hüttenmännischer Tag



Workshop

“Trace Elements and Isotopes in
Geochemistry – Fluids and Solids”

20. Juni 2003



Lehrstuhl für Hydrogeologie

Prof. Dr. Broder Merkel

Dr. Christian Wolkersdorfer

Dipl.-Geol. Andrea Hasche

Inhaltsverzeichnis

Vorwort	7
Adamiec, E.; Helios-Rybicka, E.	
Heavy metals in water – suspended matter system in the Odra River.....	9
Bozau, E.; Friese, K.; Stärk, H.-J.	
Geochemistry and REE pattern of acidic pit lakes in Lower Lusatia (Germany)	15
Brandt, S.; Raskazov, S.; Brandt, I.; Ivanov, A.	
Formal Considerations on Argon-Argon Diagrams in $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronometry.....	19
Degering, D.; Schlenker, S.; Untericker, S.; Raben, G.	
Forest Soil Development as investigated by Radioisotope Distributions.....	27
Geletneky, J.; Merten, D.; Büchel, G.	
Prospects of rare earth elements and other heavy metals as tracers in acid rock drainage (ARD) at the for meruranium mining site of Ronneburg, Thuringia	37
Hebert, D.	
Dendrokorrektur und CO_2 -Problem: Ein Beitrag zur ^{14}C -Datierungsmethode.....	43
Junghans, M.; Tichomirowa, M.	
Hydrochemical and stable Isotope Composition of Mine Waters in the Freiberg Polymetallic Mine – Sulphate Sources and Mining Processes.....	49
Kasper, K.; Pernička, E.	
Neutronenaktivierungsanalyse zur Herkunftsbestimmung archäologischer Obsidianartefakte	57
Klemm, W.; Knittel, U.; Sachse, S.; Händel, M.	
Anreicherung von Selten Erden Elementen in Grubenwässern der Polysulfidlagerstätte Freiberg	59
Meinrath, G.	
Metrological view of probabilistic modelling of trace elements behaviour in aqueous environments.....	65
Schneider, P.; Voerkelius, S.; Osenbrück, K.; Meyer, J.	
Application of Isotope Studies in River Catchment Characterization.....	73
Wachniew, P.; Czuprynski, P.; Małoszewski, P.	
Isotope and chemical tracers in studies of constructed wetlands	83
Wolkersdorfer, Ch.; Blume, C.; Weber, C.	
Trace Elements in the Troyan Waters.....	91